PROPOSED SELF-STORAGE FACILITY

EXISTING COMMERCIAL BUILDING AND STORAGE LOTS
1538 STILLWELL AVENUE AND
1540 BASSETT AVENUE
BRONX, NEW YORK

Remedial Investigation Report

OER Project No.: 15CVCP086X

Prepared for:

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February 2015

REMEDIAL INVESTIGATION REPORT

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LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
CAMP	Community Air Monitoring Plan
COC	Contaminant of Concern
CPP	Citizen Participation Plan
CSM	Conceptual Site Model
DER-10	New York State Department of Environmental Conservation Technical Guide 10
FID	Flame Ionization Detector
GPS	Global Positioning System
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations and Emergency Response
IRM	Interim Remedial Measure
NAPL	Non-aqueous Phase Liquid
NYC VCP	New York City Voluntary Cleanup Program
NYC DOHMH	New York City Department of Health and Mental Hygiene
NYC OER	New York City Office of Environmental Remediation
NYS DOH ELAP	New York State Department of Health Environmental Laboratory Accreditation Program
OSHA	Occupational Safety and Health Administration
PID	Photoionization Detector
QEP	Qualified Environmental Professional
RI	Remedial Investigation
RIR	Remedial Investigation Report
SCO	Soil Cleanup Objective
SPEED	Searchable Property Environmental Electronic Database

CERTIFICATION

I, Christopher Seib, am a Qualified Environmental Professional, as defined in RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Remedial Investigation for the Proposed Self-Storage Facility/Existing Commercial Building and Storage Lots site located at 1538 Stillwell Avenue and 1540 Bassett Avenue, Bronx, New York (OER Project No.: 15CVCP086X). I am responsible for the content of this Remedial Investigation Report (RIR), have reviewed its contents and certify that this RIR is accurate to the best of my knowledge and contains all available environmental information and data regarding the property.

Christopher Seib 3/11/15

Qualified Environmental Professional Date Signature

EXECUTIVE SUMMARY

The Remedial Investigation Report (RIR) provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy pursuant to RCNY§ 43-1407(f). The remedial investigation (RI) described in this document is consistent with applicable guidance.

Site Location and Current Usage

The Site is located at 1538 Stillwell Avenue and 1540 Bassett Avenue in the Bronx, New York and is identified as Block 4219, Lot 16 and Block 4226, Lot 290 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 44,149-square feet in total, which is comprised of 22,295-square feet on Lot 16 and 21,854-square feet on Lot 290, and is bounded by Bay Powder Coating Corp., Sacco, and residential buildings to the north, New Plumbing and Heating Corp., a vacant building, a lot with junk cars, and Frank & Son Autobody to the south, an Acela High Speed Transit Train line to the east, and F&J Transmission, Temple of Joy, Italy A&P Auto Repair, and Carib Prints, Ltd. beyond Stillwell Avenue to the west. Lot 16 (which is considered proposed Building A) is located to the west of Bassett Avenue and Lot 290 (which is considered proposed Building B) is located to the east of Bassett Avenue. A map of the site boundary is shown in Figure 2. Currently, Lot 16 of the subject property is situated between Stillwell Avenue and Bassett Avenue and currently houses a vacant, one- and two-story commercial structure that covers the entire lot. The ground floor/basement area of the site building on Lot 16 is divided into four open sections formerly used for paint storage and mixing (per Sanborn Maps) with restrooms in the central portion and a loading dock area in the western portion. The second floor of the site building consists of open space with offices in the northwestern and northeastern portions. Lot 290 of the subject property is situated to the east of Bassett Avenue and houses several fenced storage yards formerly used for the storage of construction equipment and materials and automobiles.

Summary of Proposed Redevelopment Plan

The proposed future use of the Site will consist of the demolition of the above-grade portions of the existing structure and construction of a 45,000-square feet (gross), three-story with cellar self-storage structure on Lot 16 (Site A). The approximately 22,295-square feet

(footprint) cellar level will consist of storage units, sprinkler room, gas meter room, electrical room, and elevator machine room. Access to the cellar is via stairs/elevator from above or from Bassett Avenue. The 9,652-square feet first floor will consist of storage units, an office, break room, retail and restroom area in the southwestern portion, a three-bay loading area in the northwestern portion, and a janitor's closet. The 6,858-square feet second and third floors will consist of storage units. The first floor of the structure is accessed via Stillwell Avenue. An elevator will be located in the western portion of the structure. Excavation will be required to achieve the required cellar height. No open/green spaces will be present on Lot 16. The structure will be serviced by new electric, water, sewer, and natural gas lines.

An approximately 9,271-square feet, one-story storage structure without a cellar is proposed on Lot 290 (Site B). The slab-on-grade structure will consist of storage units, a sprinkler room, and an electrical room. The structure does not have occupiable spaces. The structure will be located along the western portion of the parcel with asphalt driveway areas to the south, east, and north. A belowground stormwater management system will be located to the north of the structure. This structure will be serviced by new electrical (overhead) and water lines. No open/green space will be located on Lot 290. Excavation will occur to install the stormwater system, otherwise, the site generally is proposed to be constructed at existing grades. Layout of the proposed site development is presented in Figure 4. The current zoning designation is M1-1 Manufacturing District. M1-1 districts typically include light industrial uses, such as woodworking shops, repair shops, and wholesale service and storage facilities. The proposed use is consistent with existing zoning for the property.

Summary of Past Uses of Site and Areas of Concern

According to historical sources reviewed by Whitestone and conversations with the previous site owner, the site building located on Lot 16 has been vacant since approximately 2005. Prior to that time, the building was occupied by Amsterdam Color Works, a paint manufacturer, dating back to 1941, when the original northern portion of the building was constructed. Additions to the southern portion of the building occurred between the 1950's and early 1960's. Historic Sanborn Maps dated 1919 and 1929 depict a commercial building identified as "iron works" and a residential building on Lot 16. With the exception of a one-story storage shed located in the central portion of the lot on Sanborn Maps dated 1992 through 2007, Lot 290 historically has

been undeveloped and used as storage yards. According to the previous site owner, this area of the site historically was a drainage ditch located along the railroad tracks and was filled in and graded approximately 40 years ago. The previous owner also indicated that the former shed structure located on Lot 290 was not serviced by utilities.

Whitestone's *Summary Report of Findings – Phase I Environmental Site Assessment* dated April 3, 2013 identified the following RECs/AOCs at the site:

1. Based on historical sources reviewed by Whitestone, Lot 16 of the subject property historically was occupied by a paint manufacturing facility (Amsterdam Color Works, Inc.) from 1941 until 2005. Paint manufacturing operations typically include the use/storage of hazardous substances (including petroleum distillates, volatile organic solvents, pigments, dyes, etc.) and the generation of hazardous wastes. The subject property is identified on the RCRA Administrative Action Tracking System (RAATS), RCRA Small Quantity Generators (SQG), Integrated Compliance Information System (ICIS), Facility Index System (FINDS), and Manifest environmental databases under Amsterdam Color Works, Inc. located at 1546 Stillwell Avenue (USEPA ID No. NYD001360155). According to the database report, Amsterdam Color Works, Inc. was listed as a small quantity generator of hazardous waste, however, formerly was a large quantity generator of hazardous waste prior to 2002.

2. According to the site owner, one 1,000 gallon heating oil underground storage tank (UST) and two 1,000 solvent USTs reportedly were removed from the eastern and western interior portions of the site building over 20 years ago. The site owner indicated that, to his knowledge, no sampling was conducted following tank removal, and no documentation regarding the UST removal activities is available.

3. Evidence of a suspected existing UST (fill port) was observed in the sidewalk area to the east of the site building along Bassett Avenue, and a vent pipe was observed at the northwestern exterior of the site building along Stillwell Avenue, however, no information regarding this suspected UST or the vent pipe was available from the site owner.

4. Urban properties such as the subject site typically have been filled with material imported from off-site sources during initial site development or subsequent redevelopment to achieve final grades. According to the site owner, Lot 290 of the subject property historically was a drainage ditch located along the railroad tracks and was filled in and graded approximately 40 years ago. Fill materials consisting of either silty sand with variable amounts of gravel and debris or poorly-graded sand with silt and gravel were encountered at the subject property to depths of up to 7.0 feet below ground surface (fbgs) during Whitestone's March 2012 preliminary Geotechnical Investigation. Such non-native materials may contain contaminants exceeding applicable standards.

Summary of the Work Performed under the Remedial Investigation

Whitestone, on behalf of Stillwell Self Storage, LLC, performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed 25 soil borings across the entire project Site, and collected 33 soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed three [3] pre-packed temporary wellpoints and seven [7] groundwater monitoring wells throughout the Site to establish groundwater flow and collected 16 groundwater samples for chemical analysis to evaluate groundwater quality; and
4. Installed nine [9] soil vapor probes around Site perimeter and collected nine [9] samples for chemical analysis.

Summary of Environmental Findings

1. Elevation of the property ranges from 16.5 feet to 24.0 feet above mean sea level (msl) on the Building B parcel to the east of Bassett Avenue and 20 feet to 27 feet msl on the Building A parcel to the west of Bassett Avenue.
2. Depth to groundwater ranges from 7.0 fbgs to 13.5 fbgs at the Site. Groundwater was only detected in overburden soils above bedrock in three of the 25 borings advanced at

the site. These conditions are not indicative of true groundwater and are representative of perched water conditions in these areas. True groundwater was encountered within bedrock.

3. Groundwater flow is generally from west to east beneath the Site.

4. Depth to bedrock ranges from 4.5 fbgs to 18.0 fbgs at the Site.

5. The stratigraphy of the site, from the surface down, consists of up to 0.5 feet of concrete, up to 0.4 feet of asphalt, or up to 0.4 feet of gravel at the surface underlain by up to 13.0 feet of fill material consisting of sand with variable amounts of silt, gravel, and debris or silt with variable amounts of sand, gravel, and debris in select borings. The fill materials are underlain in select borings by sandy silt or silty sand with variable amounts of mica, rock fragments, and gravel down to bedrock.

6. Soil/fill samples results were compared to NYSDEC Unrestricted Use Soil Cleanup Objectives (SCOs) and Commercial SCOs as presented in 6NYCRR Part 375-6.8 and CP51. Data collected during the RI showed VOCs including 1,2,4-trimethylbenzene (at 6.1 mg/kg), acetone (max. of 0.14 mg/kg), isopropylbenzene (max. of 4.7 mg/kg), n-butylbenzene (max. of 25 mg/kg), n-propylbenzene (max. of 13 mg/kg), sec-butylbenzene (max. of 16 mg/kg), and xylenes (max. of 0.554 mg/kg) were detected in one or more samples at concentrations exceeding Unrestricted Use SCOs. Six SVOCs, 2-methylnaphthalene (max. of 9.2 mg/kg), benzo(b)fluoranthene (max. of 1.6 mg/kg), chrysene (max. of 1.3 mg/kg), dibenz(a,h)anthracene (max. of 0.39 mg/kg), di-n-butylphthalate (max. of 0.035 mg/kg), and indeno(1,2,3-cd)pyrene (max. of 0.93 mg/kg) were detected above Unrestricted Use SCOs in one or more soil samples. All VOC and SVOC concentrations were below their Restricted Commercial SCOs. PCBs were not detected in any soil samples and p,p-DDD (max. of 0.0050 mg/kg) was detected in three samples exceeding Unrestricted Use SCOs. Metals including arsenic (max. of 50 mg/kg), barium (max. of 610 mg/kg), cadmium (max. of 3.7 mg/kg), chromium (max. of 470 mg/kg), copper (max. of 190 mg/kg), mercury (max. of 1.7 mg/kg), nickel (max. of 140 mg/kg), lead (max. of 4,200 mg/kg), and zinc (max. of 480 mg/kg) exceeded Unrestricted Use SCOs in several soil samples. And of these metals, arsenic (one location), lead (one location), and barium (two locations) also exceeded their Track 2 Restricted Commercial

SCOs in sample location B-1, indicating a hot-spot area. The PAH and metals concentrations are indicative of regional fill materials previously placed at and in the vicinity of the subject property.

7. Groundwater sample results were compared to New York State 6NYCRR Part 703.5 Class GA Groundwater Quality Standards (GQS). Groundwater samples collected during the RI showed that PCBs and pesticides were not detected in any groundwater samples. SVOCs including 2,4-dimethylphenol, benzo(a)anthracene, benzo(a)pyrene, bis(2-ethylhexyl)phthalate, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene were detected above GQS within the groundwater samples. VOCs including 1,2,4-trimethylbenzene (27 µg/L, one location), 1,3,5-trimethylbenzene (24 µg/L, one location), 4-isopropyltoluene (5.3 µg/L, one location), chloroethane (12 µg/L, one location), cis-1,2-dichloroethene (110 µg/L, three locations), sec-butylbenzene (19 µg/L, one location), tetrachloroethene (PCE, 110 µg/L, four locations), trichloroethene (TCE, ranging from 8.0 µg/L to 290 µg/L, six locations), and vinyl chloride (12 µg/L, one location) were detected in select locations at concentrations exceeding their respective GQSs. Several metals were identified but only dissolved iron, manganese, and magnesium were detected at concentrations exceeding their respective GQSs. These detections are indicative of naturally-occurring metal concentrations.

8. Soil vapor results collected during the RI were compared to the compounds listed in the Vapor Intrusion Matrices in the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion, dated October 2006. Data collected during the RI indicated petroleum-related VOCs were present at low concentrations. For Site B, chlorinated VOCs were detected at elevated concentrations. Tetrachloroethene (PCE) was detected in three of four soil gas samples ranging in concentration from 2,560 $\mu g/m^3$ to 6,710 $\mu g/m^3$ (SV-6). Trichloroethene (TCE) was detected in all four soil vapor samples at a maximum concentration of 15,500 $\mu g/m^3$ (SV-6). Carbon tetrachloride was detected at a maximum concentration of 13.9 $\mu g/m^3$ and 1,1,1-trichloroethane (TCA) was detected at a maximum concentration of 4,690 $\mu g/m^3$. The PCE, TCE, and TCA concentrations are above the mitigation level ranges established within the NYSDOH Final Guidance on Soil Vapor Intrusion and require mitigation. For Site A, PCE was detected in one of four soil gas samples at a concentration of 110 $\mu g/m^3$. TCE was

detected in three of four soil vapor samples at a maximum concentration of 35 $\mu g/m^3$. Carbon tetrachloride was not detected and TCA was detected at a maximum concentration of 30 $\mu g/m^3$. The PCE, TCE, and TCA concentrations are below the mitigation level ranges established within the NYSDOH Final Guidance on Soil Vapor Intrusion, however, and require monitoring.

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

Stillwell Self Storage, LLC has enrolled in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a 1.01-acre site (total) located at 1538 Stillwell Avenue and 1540 Bassett Avenue in the Bronx section of Bronx, New York. Commercial use (self-storage) is proposed for the property. The RI work was performed between October 2011 and November 2012. This RIR summarizes the nature and extent of contamination and provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy that is protective of human health and the environment consistent with the use of the property pursuant to RCNY§ 43-1407(f).

1.1 Site Location and Current Usage

The Site is located at 1538 Stillwell Avenue and 1540 Bassett Avenue in the Bronx section in Bronx, New York and is identified as Block 4219, Lot 16 and Block 4226, Lot 290 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 44,149-square feet in total, which is comprised of 22,295-square feet on Lot 16 and 21,854-square feet on Lot 290, and is bounded by Bay Powder Coating Corp., Sacco, and residential buildings to the north, New Plumbing and Heating Corp., a vacant building, a lot with junk cars, and Frank & Son Autobody to the south, an Acela High Speed Transit Train line to the east, and F&J Transmission, Temple of Joy, Italy A&P Auto Repair, and Carib Prints, Ltd. beyond Stillwell Avenue to the west. Lot 16 (which is considered proposed Building A) is located to the west of Bassett Avenue and Lot 290 (which is considered proposed Building B) is located to the east of Bassett Avenue. A map of the site boundary is shown in Figure 2. Currently, Lot 16 of the subject property is situated between Stillwell Avenue and Bassett Avenue and currently houses a vacant, one- and two-story commercial structure that covers the entire lot. The ground floor/basement area of the site building on Lot 16 is divided into four open sections formerly used for paint storage and mixing (per Sanborn Maps) with restrooms in the central portion and a loading dock area in the western portion. The second floor of the site building consists of open space with offices in the northwestern and northeastern portions. Lot 290 of the subject property is situated to the east of

Bassett Avenue and houses several fenced storage yards formerly used for the storage of construction equipment and materials and automobiles.

1.2 Proposed Redevelopment Plan

The proposed future use of the Site will consist of the demolition of the above-grade portions of the existing structure and construction of a 45,000-square feet (gross), three-story with cellar self-storage structure on Lot 16. The approximately 22,295-square feet (footprint) cellar level will consist of storage units, sprinkler room, gas meter room, electrical room, and elevator machine room. Access to the cellar is via stairs/elevator from above or from Bassett Avenue. The 9,652-square feet first floor will consist of storage units, an office, break room, retail and restroom area in the southwestern portion, a three-bay loading area in the northwestern portion, and a janitor's closet. The 6,858-square feet second and third floors will consist of storage units. The first floor of the structure is accessed via Stillwell Avenue. An elevator will be located in the western portion of the structure. Excavation will be required to achieve the required cellar height. No open/green spaces will be present on Lot 16. The structure will be serviced by new electric, water, sewer, and natural gas lines.

An approximately 9,271-square feet, one-story storage structure without a cellar is proposed on Lot 290. The slab-on-grade structure will consist of storage units, a sprinkler room, and an electrical room. The structure does not have occupiable spaces. The structure will be located along the western portion of the parcel with asphalt driveway areas to the south, east, and north. A belowground stormwater management system will be located to the north of the structure. This structure will be serviced by new electrical (overhead) and water lines. No open/green space will be located on Lot 290. Excavation will occur to install the stormwater system, otherwise, the site generally is proposed to be constructed at existing grades. Layout of the proposed site development is presented in Figure 4. The current zoning designation is M1-1 Manufacturing District. M1-1 districts typically include light industrial uses, such as woodworking shops, repair shops, and wholesale service and storage facilities. The proposed use is consistent with existing zoning for the property.

1.3 Description of Surrounding Property

Figure 3 shows the surrounding land usage. The subject property is bordered by Bay Powder Coating Corp., Sacco, and residential buildings to the north; an Acela High Speed Transit Train line to the east; New Plumbing and Heating Corp., a vacant building, a lot with junk cars, and Frank & Son Autobody to the south; and F&J Transmission, Temple of Joy, Italy A&P Auto Repair, and Carib Prints, Ltd. beyond Stillwell Avenue to the west.

2.0 SITE HISTORY

2.1 Past Uses and Ownership

According to historical sources reviewed by Whitestone and conversations with the previous site owner, the site building located on Lot 16 has been vacant since approximately 2005. Prior to that time, the building was occupied by Amsterdam Color Works, a paint manufacturer, dating back to 1941, when the original northern portion of the building was constructed. Additions to the southern portion of the building occurred between the 1950's and early 1960's. Historic Sanborn Maps dated 1919 and 1929 depict a commercial building identified as “iron works” and a residential building on Lot 16. With the exception of a one-story storage shed located in the central portion of the lot on Sanborn Maps dated 1992 through 2007, Lot 290 historically has been undeveloped and used as storage yards. According to the previous site owner, this area of the site historically was a drainage ditch located along the railroad tracks and was filled in and graded approximately 40 years ago. The previous owner also indicated that the former shed structure located on Lot 290 was not serviced by utilities.

2.2 Previous Investigations

A Phase I Environmental Site Assessment (ESA) was performed by Whitestone between February 2012 and April 2012 to evaluate potential environmental conditions at the site. The recognized environmental conditions (RECs)/areas of concern (AOCs) identified during the Phase I ESA are presented in Section 2.4 below.

2.3 Site Inspection

Several site inspections have been performed at the site and the most recent was performed by the QEP for the project, Christopher Seib, on October 19, 2011. The site inspection identified the conditions at the property to be consistent with those previously reported for the site. No additional AOCs were identified during the inspection.

2.4 Areas of Concern

Whitestone’s *Summary Report of Findings – Phase I Environmental Site Assessment* dated April 3, 2013 identified the following RECs/AOCs at the site:

5. Based on historical sources reviewed by Whitestone, Lot 16 of the subject property historically was occupied by a paint manufacturing facility (Amsterdam Color Works, Inc.) from 1941 until 2005. Paint manufacturing operations typically include the use/storage of hazardous substances (including petroleum distillates, volatile organic solvents, pigments, dyes, etc.) and the generation of hazardous wastes. The subject property is identified on the RCRA Administrative Action Tracking System (RAATS), RCRA Small Quantity Generators (SQG), Integrated Compliance Information System (ICIS), Facility Index System (FINDS), and Manifest environmental databases under Amsterdam Color Works, Inc. located at 1546 Stillwell Avenue (USEPA ID No. NYD001360155). According to the database report, Amsterdam Color Works, Inc. was listed as a small quantity generator of hazardous waste, however, formerly was a large quantity generator of hazardous waste prior to 2002.

6. According to the site owner, one 1,000 gallon heating oil underground storage tank (UST) and two 1,000 solvent USTs reportedly were removed from the eastern and western interior portions of the site building over 20 years ago. The site owner indicated that, to his knowledge, no sampling was conducted following tank removal, and no documentation regarding the UST removal activities is available.

7. Evidence of a suspected existing UST (fill port) was observed in the sidewalk area to the east of the site building along Bassett Avenue, and a vent pipe was observed at the northwestern exterior of the site building along Stillwell Avenue, however, no information regarding this suspected UST or the vent pipe was available from the site owner.

8. Urban properties such as the subject site typically have been filled with material imported from off-site sources during initial site development or subsequent redevelopment to achieve final grades. According to the site owner, Lot 290 of the subject property historically was a drainage ditch located along the railroad tracks and was filled in and graded approximately 40 years ago. Fill materials consisting of either silty sand with variable amounts of gravel and debris or poorly-graded sand with silt and gravel were encountered at the subject property

to depths of up to 7.0 fbgs during Whitestone's March 2012 preliminary Geotechnical Investigation. Such non-native materials may contain contaminants exceeding applicable standards.

The Phase 1 Report is presented in Appendix 1. A map showing areas of concern is presented in Figure 3.

3.0 PROJECT MANAGEMENT

3.1 Project Organization

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is Christopher Seib, LSRP.

3.2 Health and Safety

All work described in this RIR was performed in full compliance with applicable laws and regulations, including Site and OSHA worker safety requirements and HAZWOPER requirements. The Health and Safety Plan for the RI is included in Appendix 2.

3.3 Materials Management

All material encountered during the RI was managed in accordance with applicable laws and regulations.

4.0 REMEDIAL INVESTIGATION ACTIVITIES

Whitestone, on behalf of Stillwell Self Storage, LLC, performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed 25 soil borings across the entire project Site, and collected 33 soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed three [3] pre-packed temporary wellpoints and seven [7] groundwater monitoring wells throughout the Site to establish groundwater flow and collected 16 groundwater samples for chemical analysis to evaluate groundwater quality; and
4. Installed nine [9] soil vapor probes around Site perimeter and collected nine [9] samples for chemical analysis.

For due diligence purposes, Whitestone initially advanced seven [7] soil borings (B-1 through B-7) and installed two [2] temporary wellpoints (in borings B-1 and B-5) in October 2011. Soil samples B-1 through B-5 and groundwater samples TW-1 and TW-2 were collected during this event. In March 2012, Whitestone performed a supplemental due diligence investigation including advancing seven [7] soil borings (B-1 through B-7) and installing one [1] temporary wellpoint (B-5GW). Soil samples B-1, B-2, B-3, and B-5 and groundwater sample B-5GW were collected during this event. The due diligence sampling was conducted and the analysis were chosen to evaluate fill materials and former site operations. The parameters to evaluate the site included SVOCs, VOCs, and metals in soil and VOCs and SVOCs in groundwater.

To satisfy the OER-approved June 6, 2012 *Remedial Investigation Workplan*, Whitestone advanced three [3] soil borings (RI-B1 through RI-B3), four [4] permanent bedrock monitoring wells (MW-1 through MW-4), and eight [8] soil vapor probes (SV-1 through SV-8) between June 2012 and July 2012. The soil samples were collected for VOCs, SVOCs, pesticides, TAL metals, and PCBs analyses, the groundwater samples were collected for VOCs, SVOCs, pesticides, PCBs, and TAL metals (filtered and unfiltered) analyses, and the soil gas samples were collected for VOC analyses during this event.

In an attempt to further evaluate VOCs detected in previously-collected soil vapor sample SV-6 and in accordance with the OER-approved August 14, 2012 *Supplemental Remedial Investigation Workplan*, Whitestone advanced eight [8] soil borings (S-1 to S-8) in radial patterns around the previous sample location on November 5, 2012. The soil samples were analyzed for VOCs. A second soil vapor sample (SV-6A) also was collected for VOC analyses on October 5, 2012 to verify the detections identified in sample location SV-6.

As approved by OER in an October 11, 2012 email, three additional permanent bedrock monitoring wells were installed at the site in November 2012. All seven site wells were sampled for VOC analyses on November 12, 2012 and monitor wells MW-1 and MW-2 were resampled for VOC analyses on November 16, 2012.

4.1 Geophysical Investigation

A geophysical survey was not conducted for the subject property during the RI activities.

4.2 Borings, Pre-Packed Temporary Wellpoints, and Monitoring Wells

Drilling and Soil Logging

The field activities were overseen by a qualified Geologist or Environmental Specialist with experience in subsurface investigations and site characterization projects under the supervision of the QEP. Licensed environmental drillers, Tri-State Drilling Technologies, Inc., Hawk Drilling, Inc., and Earthcore Services advanced 25 soil borings and nine [9] soil vapor points as discussed in Section 4.0 above. The Geologist/Environmental Specialist field screened the soil samples with a photoionization detector (PID) for evidence of environmental impacts. Soil samples were collected and submitted to Hampton Clarke-Veritech (HCV) of Fairfield, New Jersey, a New York-certified laboratory (Cert. #11408), or Alpha Analytical Laboratories of Westborough, Massachusetts, a New York-certified laboratory (Cert. #11148), for analyses. Site work complied with safety guidelines outlined in the HASP (Appendix 2).

The investigative borings were advanced to various depths of up to 13.0 fbgs using direct-push Geoprobe drilling methods. The boring location plan is attached as Figure 2. Soil samples were collected continuously to the boring termination depth by advancing a two-inch diameter by four-foot long Macro-Core sampler with disposable acetate sleeves or a two-inch diameter by two-foot long split-spoon sampler through the soil profile. Each sample was screened for

organic vapors with a PID and evaluated for visual and olfactory indications of environmental impacts.

Boring logs were prepared by a geologist or environmental specialist are attached in Appendix 3. A map showing the location of soil borings, temporary wellpoints, and monitoring wells is shown in Figure 2.

Pre-Packed Temporary Groundwater Wellpoint and Groundwater Monitoring Well Construction

The field activities were overseen by a qualified Geologist or Environmental Specialist with experience in subsurface investigations and site characterization projects under the supervision of the QEP. Licensed environmental drillers, Tri-State Drilling Technologies, Inc. and Hawk Drilling, Inc., installed three [3] sand pre-packed, temporary, groundwater wellpoints by inserting one-inch diameter, pre-packed, PVC well screen and riser into the open borehole as discussed in Section 4.0 above.

A licensed environmental driller, Associated Environmental Services, Inc., installed seven [7] bedrock groundwater monitoring wells by utilizing hollow-stem auger and air-rotary drilling techniques. Groundwater monitoring wells were constructed by installing two-inch diameter, 0.020-slot, PVC screen from well termination depth to the top of bedrock. Screened interval lengths ranged from 14 fbgs to 28 fbgs. Two-inch diameter solid PVC riser was installed from the top of the screen to ground surface. #1 Morie sand was used to fill the boreholes to approximately two feet above the screen. Steel casing was installed from the top of bedrock to ground surface and grout was placed between the steel casing and the solid PVC riser pipe from the top of the sand pack to ground surface. The groundwater monitoring wells were completed at the surface with flush-mounted road boxes and locking well caps.

Temporary wellpoint and monitoring well locations are shown in Figure 2.

Survey

Boring and sample locations were surveyed utilizing hand-held GPS equipment. Monitoring well locations and casing elevations were surveyed by DPK Consulting, LLC, a licensed surveyor.

Water Level Measurement

Groundwater level measurements were taken by using a Solinst water-level-meter (WLM). Water level data is included in Tables 1 and 3.

4.3 Sample Collection and Chemical Analysis

Sampling performed as part of the field investigation was conducted for all Areas of Concern and also considered other means for bias of sampling based on professional judgment, area history, discolored soil, stressed vegetation, drainage patterns, field instrument measurements, odor, or other field indicators. All media including soil, groundwater, and soil vapor have been sampled and evaluated in the RIR. Discrete (grab) samples have been used for final delineation of the nature and extent of contamination and to determine the impact of contaminants on public health and the environment. The sampling performed and presented in this RIR provides sufficient basis for evaluation of remedial action alternatives, establishment of a qualitative human health exposure assessment, and selection of a final remedy.

Soil Sampling

During initial due diligence activities (October 2011), one [1] soil sample was collected from borings B-1 through B-5. One [1] sample was collected from each boring at intervals ranging between 2.5 fbgs to 3.0 fbgs and 8.5 fbgs to 9.0 fbgs. One [1] additional soil sample was collected from boring B-5 from the 10.0 fbgs to 10.5 fbgs interval (see Table 1). During supplemental due diligence activities (March 2012), one [1] soil sample was collected from four [4] borings (B-1 through B-3 and B-5). One [1] soil sample was collected from each boring at intervals ranging between 1.0 fbgs to 1.5 fbgs and 5.5 fbgs to 6.0 fbgs (see Table 1). During initial RI activities (June 2012), two [2] soil samples were collected from each boring (RI-B1 through RI-B3). One [1] soil sample was collected at the 0.0 fbgs to 2.0 fbgs interval (within depth of excavation) and one [1] soil sample was collected from within the 4.0 fbgs to 8.0 fbgs interval. One [1] additional soil sample was collected from boring RI-B2 at the 8.5 fbgs to 9.0 fbgs interval due to detected odors. During initial monitoring well installation activities (July 2012), two [2] soil samples were collected from each boring (MW-1 through MW-4). One [1] soil sample was collected at the 0.0 fbgs to 2.0 fbgs interval and one [1] soil sample was collected from either the 4.0 fbgs to 6.0 fbgs interval or the 6.0 fbgs to 8.0 fbgs interval

depending on the well location. During supplemental RI activities (November 2012), one [1] soil sample was collected from each boring (S-1 through S-8) which were installed to evaluate a potential source area in the vicinity of soil vapor samples SV-6/SV-6A. One [1] soil sample was collected from each boring from the 4.5 fbgs to 5.0 fbgs interval. Samples were discrete grab samples. Soil samples collected by Whitestone were analyzed by HCV of Fairfield, New Jersey, a State-certified laboratory (NY Certification #11408), or Alpha Analytical Laboratories of Westborough, Massachusetts, A State-certified laboratory (NY Certification #11148). Analytical results and Quality Assurance/Quality Control (QA/QC) data establishing proper holding times, chain of custody, analytical methodology, and laboratory reporting limits (RLs) are provided in Appendix 5 and summarized in Table 2. Three [3] duplicate soil samples were collected during the RI. Soil sampling equipment was decontaminated between successive uses.

Thirty-eight [38] soil samples (including duplicates) were collected for chemical analysis during this RI. Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in Tables 1 and 2. Figure 2 shows the location of samples collected in this investigation. Laboratories and analytical methods are shown below.

Groundwater Sampling

Three [3] pre-packed temporary groundwater wellpoints were installed by inserting one-inch diameter, sand pre-packed, PVC well screen and riser into the open borehole (see Figure 2 for locations). Seven [7] groundwater monitoring wells were installed utilizing hollow-stem auger and air-rotary drilling equipment. One [1] representative groundwater sample was collected from each wellpoint/well with a peristaltic pump and dedicated Teflon tubing using low-flow sampling techniques. Sampling was conducted in accordance with NYSDEC DER-10 *Technical Guidance for Site Investigation and Remediation* dated May 2012 and *Sampling Guidelines and Protocols* dated March 1991. Filtered and unfiltered samples were collected for metals analyses. Following sample collection, temporary pre-packed wellpoint boreholes were backfilled with soil cuttings with an upper bentonite plug. Groundwater samples collected by Whitestone were analyzed by HCV of Fairfield, New Jersey, a State-certified laboratory (NY Certification #11408). Analytical results and QA/QC data establishing proper holding times, chain of custody, analytical methodology, and laboratory RLs are provided as Appendix 5 and summarized in Table 3. Two [2] duplicate groundwater samples were collected during the RI.

Four [4] field blanks (two unfiltered and two filtered) and two [2] trip blanks for VOCs were collected during the RI. The initial two sampling events did not have QA/QC samples as they were for due diligence purposes. Groundwater sampling equipment was decontaminated between successive uses.

Eighteen [18] groundwater samples (including duplicates) were collected for chemical analysis during this RI. Groundwater sample collection data is reported in Table 3. Sampling logs with information on purging and sampling of groundwater monitor wells is included in Appendix 4. Figure 2 shows the location of groundwater sampling. Laboratories and analytical methods are shown below.

Soil Vapor Sampling

Nine [9] soil gas samples were collected throughout the site. Soil gas sampling locations are depicted on Figure 2. All samples were collected in accordance with the *Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (NYSDOH October 2006). The vapor implants were set at a depth of 5.0 fbgs to 6.0 fbgs. The vapor implants were installed utilizing direct-push sampling equipment.

Samples were collected in Summa canisters which have been certified clean by the laboratory and analyzed by using USEPA Method TO-15. Soil gas samples collected by Whitestone were analyzed by Alpha Analytical Laboratories of Westborough, Massachusetts, a State-certified laboratory (NY Certification #11627). Analytical results and QA/QC data establishing proper holding times, chain of custody, analytical methodology, and laboratory RLs are provided as Appendix 5 and summarized in Table 4. Flow rate of both purging and sampling did not exceed 0.2 L/min. Sampling occurred for a two-hour duration. A sample log sheet was maintained summarizing sample identification, date and time of sample collection, sampling depth, identity of samplers, sampling methods and devices, soil vapor purge volumes, volume of the soil vapor extracted, vacuum of canisters before and after the samples were collected, apparent moisture content of the sampling zone, and chain of custody protocols.

As part of the vapor intrusion evaluation, a tracer gas was used in accordance with NYSDOH protocols to serve as a QA/QC device to verify the integrity of the soil vapor probe seal. Helium was used as the tracer gas and a box served to keep it in contact with the probe during testing. A

portable monitoring device was used to analyze a sample of soil vapor for the tracer prior to sampling. If the tracer sample results showed a significant presence of the tracer, the probe seals were adjusted to prevent infiltration. At the conclusion of the sampling round, tracer monitoring was performed a second time to confirm the integrity of the probe seals.

Nine [9] soil vapor probes were installed and nine [9] soil vapor samples were collected for chemical analysis during this RI. Soil vapor sampling locations are shown in Figure 2. Soil vapor sample collection data is reported in Table 4. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006.*

Chemical Analysis

Chemical analytical work presented in this RIR has been performed in the following manner:

Factor	Description
Quality Assurance Officer	The chemical analytical quality assurance is directed by Robin Cousineau (HCV), Christopher J. Anderson (Alpha), and Christopher Seib (Whitestone).
Chemical Analytical Laboratory	Chemical analytical laboratory(s) used in the RI is NYS ELAP certified and were Hampton Clark-Veritech (soil and groundwater) and Alpha Analytical Laboratories (soil and air).
Chemical Analytical Methods	Soil analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); and/or • PCBs by EPA Method 8082A (rev. 2000);

	Groundwater analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); and/or • PCBs by EPA Method 8082A (rev. 2000); Soil vapor analytical methods: • VOCs by TO-15 VOC parameters.

Results of Chemical Analyses

Laboratory data for soil, groundwater, and soil vapor are summarized in Tables 2 through 4, respectively. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in Appendix 5.

5.0 ENVIRONMENTAL EVALUATION

5.1 Geological and Hydrogeological Conditions

Stratigraphy

The stratigraphy of the site, from the surface down, consists of up to 0.5 feet of concrete, up to 0.4 feet of asphalt, or up to 0.4 feet of gravel at the surface underlain by up to 13.0 feet of fill material consisting of sand with variable amounts of silt, gravel, and debris or silt with variable amounts of sand, gravel, and debris in select borings. The fill materials are underlain in select borings by sandy silt or silty sand with variable amounts of mica, rock fragments, and gravel down to bedrock.

Hydrogeology

A table of water level data for all monitor wells/wellpoints is included in Table 1. The average depth to groundwater is 9.91 fbgs and the range in depth is 7.0 fbgs to 13.5 fbgs. Groundwater was only detected in overburden soils above bedrock in three of the 25 borings advanced at the site. These conditions are not indicative of true groundwater and are representative of perched water conditions in these areas. True groundwater was encountered within bedrock. A map of groundwater level elevations with groundwater contours and inferred flow lines is shown in Figures 5A through 5C. Groundwater flow is from west to east.

5.2 Soil Chemistry

PAHs were detected in four [4] of the 38 soil samples collected (B-1 [10-19-2011], B-4 [10-19-2011], MW-1B, and MW-2A) at concentrations exceeding their Track 1 SCOs (maximum individual concentration = 1.6 ppm), however, below their Track 2 Commercial SCOs. Three [3] of the exceedances were observed at the shallow intervals (2.5 fbgs to 3.0 fbgs and 1.0 fbgs to 1.5 fbgs) and one (MW-1B) at a deeper interval (7.0 fbgs to 7.5 fbgs). The maximum total PAH concentration detected in any one sample was 4.22 ppm. All the elevated PAH concentrations were detected on Lot 290 (proposed Building B) parcel and are the result of historic fill material. 2-methylnaphthalene was detected in two [2] of the 38 soil samples collected (B-2 [10-19-2011] and B-3 [10-19-2011]) at concentrations exceeding its Track 1 SCO (maximum concentration = 9.2 ppm), however, below its Track 2 Commercial SCO. The exceedances were observed at the

deeper interval (7.5 fbgs to 9.5 fbgs). SVOCs were not detected in the other soil samples collected at concentrations exceeding Track 1 SCOs.

Arsenic and lead were detected in one [1] of the 38 soil samples collected (B-1 [10-19-2011]) at concentrations exceeding their Track 2 Commercial SCOs (maximum arsenic concentration = 50 ppm, maximum lead concentration = 4,200 ppm). The arsenic and lead concentrations in soil sample B-1 [10-19-2011] also exceed the Track 4 SCOs of 23 ppm and 1,200 ppm, respectively, established for the site. The exceedances were observed at the shallow interval (2.5 fbgs to 3.0 fbgs). Barium was detected in two [2] of the 38 soil samples collected (B-1 [10-19-2011] and B-3 [10-19-2011]) at concentrations exceeding its Track 2 Commercial SCO (maximum concentration = 610 ppm). The barium detections do not exceed the Track 4 SCO established for the site of 750 ppm. The exceedances were observed at the shallow interval (2.5 fbgs to 3.0 fbgs) and at the deeper interval (8.5 fbgs to 9.0 fbgs). Cadmium, chromium, copper, nickel, and zinc were detected in select samples at concentrations exceeding their Track 1 SCOs, but not their Track 2 Commercial SCOs. The metals detections are the result of historic fill material and/or naturally-occurring concentrations.

The pesticide p,p'-DDD was detected in three [3] of the 38 soil samples collected (RI-B3-B, RI-B3-A(DUP), and MW-2A) at concentrations exceeding its Track 1 SCO (maximum concentration = 0.0050 ppm), however, below its Track 2 Commercial SCO. The exceedances were observed at the deeper interval (7.0 fbgs to 7.5 fbgs) and at the shallow interval (1.5 fbgs to 2.0 fbgs and 1.0 fbgs to 1.5 fbgs). The pesticides were detected on Lot 290 (proposed Building B) parcel and are the result of historic fill material.

The VOCs isopropylbenzene (maximum concentration = 4.7 ppm), n-butylbenzene (maximum concentration = 25 ppm), n-propylbenzene (maximum concentration = 13 ppm), and sec-butylbenzene (maximum concentration = 16 ppm) were detected in two [2] of the 38 soil samples (B-2 [10-19-2011] and B-3 [10-19-2011]) collected at concentrations exceeding their Track 1 SCOs, but not their Track 2 Commercial SCOs. These soil samples were detected at the deeper interval (7.5 fbgs to 9.0 fbgs) on Lot 16 (proposed Building A). The VOCs 1,2,4-trimethylbenzene (maximum concentration = 6.1 ppm) and/or total xylenes (maximum concentration = 0.28 ppm) were detected in two [2] of the 38 soil samples collected (S-3 and S-7). These exceedences were detected at the shallow interval (4.5 fbgs to 5.0 fbgs) on Lot 290 (proposed Building B). Acetone was detected in four [4] of the 38 soil samples collected at

concentrations exceeding its Track 1 SCO, however, acetone is a common laboratory contaminant and is not suspected to be associated with a release at the site.

PCBs were not detected in the soil samples collected at concentrations exceeding their Track 1 SCO.

The B-1 (10-19-2011) metals hot-spot area is proposed to be excavated and disposed off site at a regulated facility. The remaining soil contamination will be addressed through a cap/cover consisting of a minimum of two [2] feet of certified-clean soil placed on top of the contaminated soil (as applicable) and/or the placement of asphalt or concrete and associated subbase. These controls will reduce the risk of direct human contact with the contaminated soil.

Data collected during the RI is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the Site. A summary table of data for chemical analyses performed on soil samples is included in Table 2. Figure 2 shows the sample locations.

5.3 Groundwater Chemistry

The VOC chloroethane was detected in one [1] of the 18 groundwater samples collected (MW-3 U) at a concentration exceeding its WQS (maximum concentration = 12 parts per billion [ppb]). The detection is located on Lot 16 (proposed Building A) and is attributable to an off-site source.

The VOC cis-1,2-dichloroethene was detected in eight [8] of the 18 groundwater samples collected (TW-1, B-5-GW, MW-1 U, MW-2 U, MW-1 [11/12/12], MW-2 [11/12/12], MW-1 [11/16/12], and MW-2 [11/16/12]) at concentrations exceeding its WQS (maximum concentration = 110 ppb). The detections are all located on Lot 290 (proposed Building B) and are attributable to an off-site source. The groundwater encountered in locations TW-1 and B-5-GW is indicative of perched water and does not represent a true groundwater condition as evidenced by the absence of overburden groundwater in the remaining borings/wells performed on or in the vicinity of this parcel.

The VOC sec-butylbenzene was detected in one [1] of the 18 groundwater samples collected (TW-2) at a concentration exceeding its WQS (maximum concentration = 19 ppb). This detection is located on Lot 16. The groundwater encountered in location TW-2 is not indicative of true groundwater, rather, is perched water as evidenced by the absence of overburden groundwater in the remaining borings/wells performed on or in the vicinity of this parcel.

The VOC PCE was detected in seven [7] of the 18 groundwater samples collected (TW-1, MW-1 U, MW-3 U, MW-3 DUPLICATE U, MW-2 [11/12/12], MW-6, and MW-2 [11/16/12]) at concentrations exceeding its WQS (maximum concentration = 110 ppb). These detections are located on the upgradient portion of Lot 16 and on downgradient Lot 290. The detections are attributable to an off-site source located to the southwest of the subject property. Location MW-6 is an off-site, upgradient well which documented contaminant impacts, confirming an off-site source.

The VOC TCE was detected in 12 of the 18 groundwater samples collected (TW-1, B-5-GW, MW-1 U, MW-2 U, MW-3 U, MW-3 DUPLICATE U, MW-1 [11/12/12], MW-2 [11/12/12], MW-3 [11/12/12], MW-6, MW-1 [11/16/12], and MW-2 [11/16/12]) at concentrations exceeding its WQS (maximum concentration = 290 ppb). These detections are located on the upgradient portion of Lot 16 and on downgradient Lot 290. The detections are attributable to an off-site source located to the southwest of the subject property. Location MW-6 is an off-site, upgradient well which documented contaminant impacts, confirming an off-site source.

The VOC vinyl chloride was detected in one [1] of the 18 groundwater samples collected (B-5-GW) at a concentration exceeding its WQS (maximum concentration = 12 ppb). The detections is located on Lot 290 (proposed Building B) and is attributable to an off-site source. The groundwater detected in location B-5-GW is indicative of perched water and does not represent a true groundwater condition as evidenced by the absence of overburden groundwater in the remaining borings/wells performed on or in the vicinity of this parcel. In addition to the above, chlorinated VOCs were not detected in any of the on-site soil samples indicating that the subject parcels are potential sources of the contamination. Based on the absence of a true overburden groundwater condition and the chlorinated VOC detections resulting from an off-site source, no further actions are required to address on-site groundwater with the exception of vapor mitigation measures as discussed further below.

PAHs were detected in two [2] of the 18 groundwater samples collected (TW-1 and B-5-GW) at concentrations exceeding their WQS (maximum individual concentration = 8.6 ppb). The SVOC 2,4-dimethylphenol was detected in one [1] of the 18 groundwater samples collected (TW-2) at a concentration exceeding its WQS (maximum concentration = 3.3 ppb). The SVOC bis[2-ethylhexyl]phthalate was detected in one [1] of the 18 groundwater samples collected

(MW-4 U) at a concentration exceeding its WQS (maximum concentration = 5.9 ppb). The PAH/SVOC detections are either the result of regional fill material or laboratory/field contamination and do not require further action.

Dissolved iron was detected in one [1] of the 18 groundwater samples collected (MW-4 F) at a concentration exceeding its WQS (maximum concentration = 2,600 ppb). Dissolved magnesium was detected in two [2] of the 18 groundwater samples collected (MW-3 F and MW 3 DUPLICATE F) at concentrations exceeding its WQS (maximum concentration = 46,000 ppb). Dissolved manganese was detected in four [4] of the 18 groundwater samples collected (MW-2 F, MW-3 F, MW-3 DUPLICATE F, and MW-4 F) at concentrations exceeding its WQS (maximum concentration = 1,600 ppb). The dissolved metals concentrations are indicative of naturally-occurring levels and do not require further action.

Pesticides and PCBs were not detected in the 18 groundwater samples collected.

Data collected during the RI is sufficient to delineate the distribution of contaminants in groundwater at the Site. A summary table of data for chemical analyses performed on groundwater samples is included in Table 3. Exceedence of applicable groundwater standards are shown.

Figure 2 shows the location of the groundwater samples.

5.4 Soil Vapor Chemistry

TCE was detected in four [4] of the nine [9] soil vapor samples collected (SV-5, SV-6, SV-6A, and SV-7) at concentrations exceeding NYSDOH guidance values (maximum concentration = 15,500 micrograms per cubic meter [mg/m^3]). With the exception of SV-3, these detections were all identified on Lot 290 (proposed Building B). The TCE concentration in SV-3 (110 mg/m^3) is substantially lower than the concentrations at the other sample locations.

Carbon tetrachloride was detected in one [1] of the nine [9] soil vapor samples collected (SV-7) at a concentration exceeding NYSDOH guidance values (maximum concentration = 13.7 mg/m^3). The detection was identified on Lot 290 (proposed Building B).

PCE was detected in three [3] of the nine [9] soil vapor samples collected (SV-6, SV-6A, and SV-7) at concentrations exceeding NYSDOH guidance values (maximum concentration = 6,780 mg/m^3). These detections were all identified on Lot 290 (proposed Building B).

1,1,1-TCA was detected in one [1] of the nine [9] soil vapor samples collected (SV-7) at a concentration exceeding NYSDOH guidance values (maximum concentration = 4,690 ppm). The detection was identified on Lot 290 (proposed Building B).

Some petroleum hydrocarbons were identified at low levels in soil vapor samples on the property.

Based on the soil vapor sampling and laboratory results, passive vapor mitigation systems will be required for the on-site structures. The design of the vapor mitigation systems will be outlined in a Remedial Action Work Plan for the project.

Data collected during the RI is sufficient to delineate the distribution of contaminants in soil vapor at the Site. A summary table of data for chemical analyses performed on soil vapor samples is included in Table 4.

Figure 2 shows the location for soil vapor samples.

5.5 Prior Activity

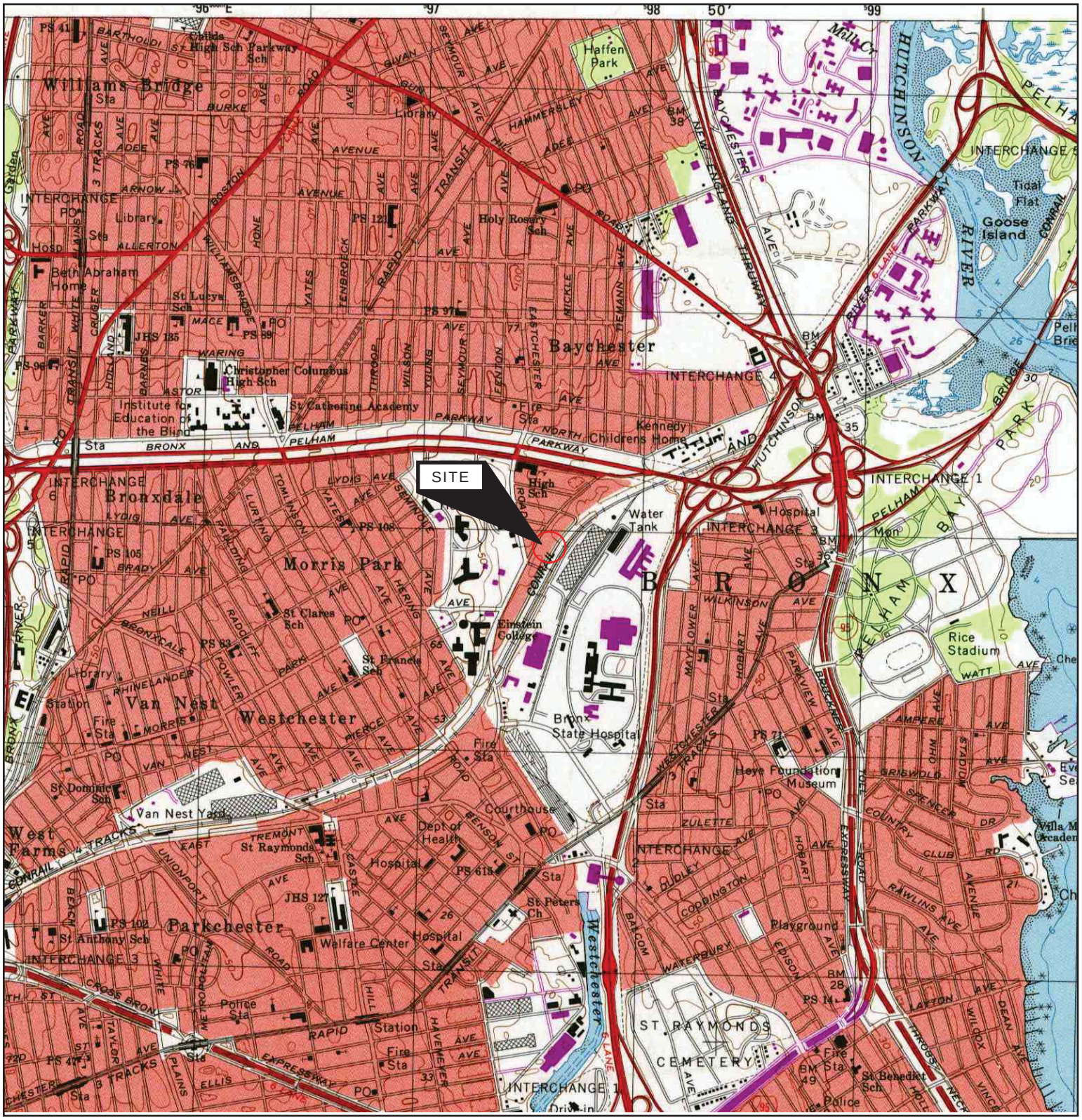
Based on an evaluation of the data and information from the RIR, disposal of significant amounts of hazardous waste is not suspected at this site.

5.6 Impediments to Remedial Action

There are no known impediments to remedial action at this property.

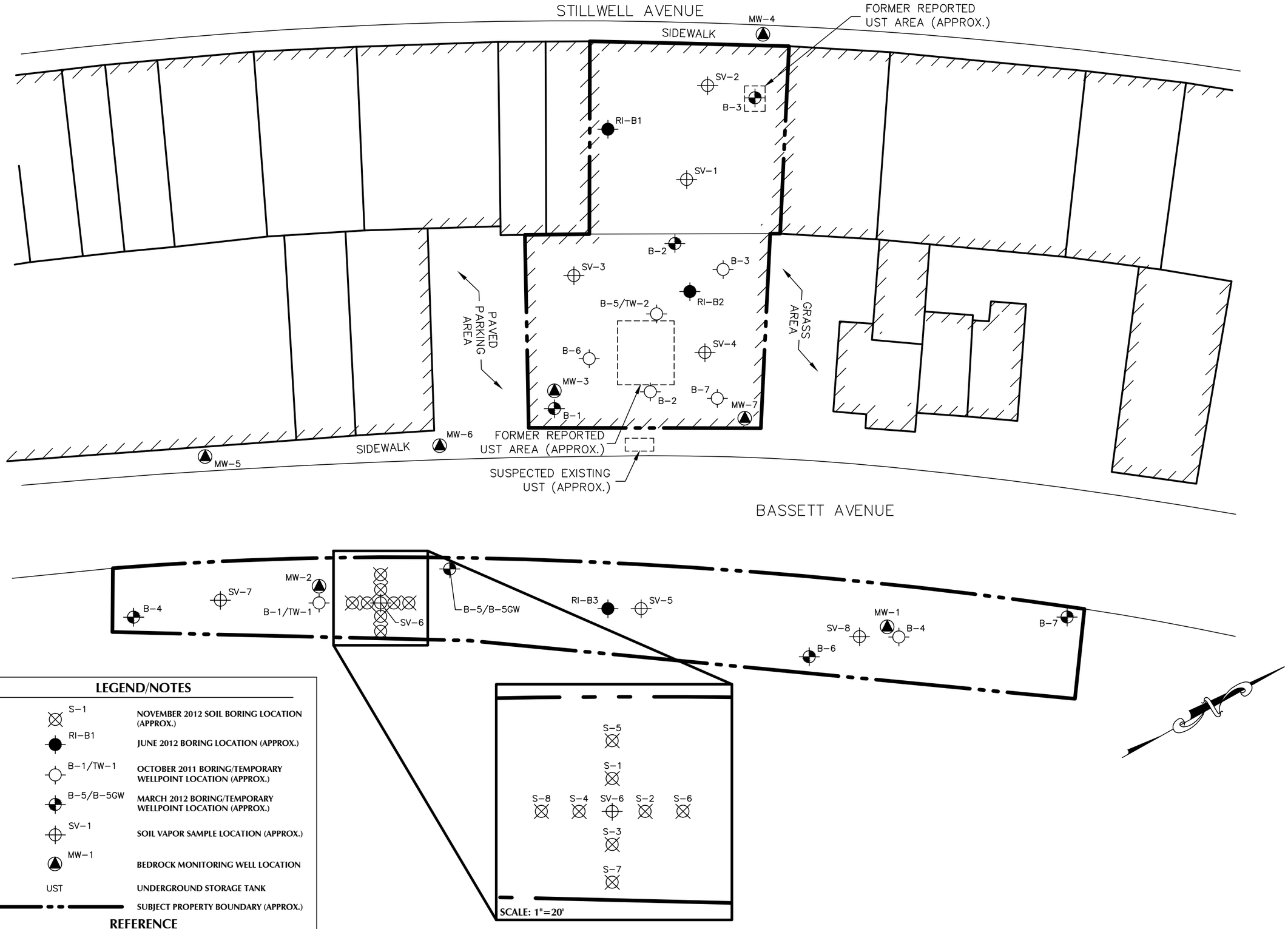
FIGURE 1
Site Location Map

Historical Topographic Map



N	TARGET QUAD NAME: FLUSHING MAP YEAR: 1995 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Proposed Self-Storage Facility ADDRESS: 1538 Stillwell Avenue Bronx, NY 10461 LAT/LONG: 40.8538 / -73.8419	Whitestone Associates, Inc. FIGURE 1

FIGURE 2
Boring/Sample/Monitoring Well Location Plan



LEGEND/NOTES

S-1	NOVEMBER 2012 SOIL BORING LOCATION (APPROX.)
RI-B1	JUNE 2012 BORING LOCATION (APPROX.)
B-1/TW-1	OCTOBER 2011 BORING/TEMPORARY WELLPOINT LOCATION (APPROX.)
B-5/B-5GW	MARCH 2012 BORING/TEMPORARY WELLPOINT LOCATION (APPROX.)
SV-1	SOIL VAPOR SAMPLE LOCATION (APPROX.)
MW-1	BEDROCK MONITORING WELL LOCATION
UST	UNDERGROUND STORAGE TANK
	SUBJECT PROPERTY BOUNDARY (APPROX.)

REFERENCE

THIS PLAN IS BASED UPON AN UNDATED AERIAL IMAGE OBTAINED FROM GOOGLE MAPS, AN UNDATED CONCEPT SITE PLAN PREPARED BY BUTZ WILBERN, LTD, AND AN OCTOBER 13, 2012 MONITORING WELL LOCATION MAP PREPARED BY DPK CONSULTING, LLC.

WHITESTONE ASSOCIATES, INC.
35 TECHNOLOGY DRIVE
WARREN, NEW JERSEY 07059
908.668.7777 • 908.754.5936 FAX

FIGURE:	2
SCALE:	AS SHOWN
DATE:	09/02/14
PROJ. MGR.:	CS
BY:	GR
PROJECT #:	EJ1111829.002

TITLE: **BORING/SAMPLE/MONITORING WELL LOCATION PLAN**

CLIENT: STILLWELL SELF STORAGE, LLC

PROJECT: REMEDIAL INVESTIGATION REPORT
PROPOSED SELF-STORAGE FACILITY
1538 STILLWELL AVENUE AND
1540 BASSETT AVENUE
BRONX, BRONX COUNTY, NEW YORK

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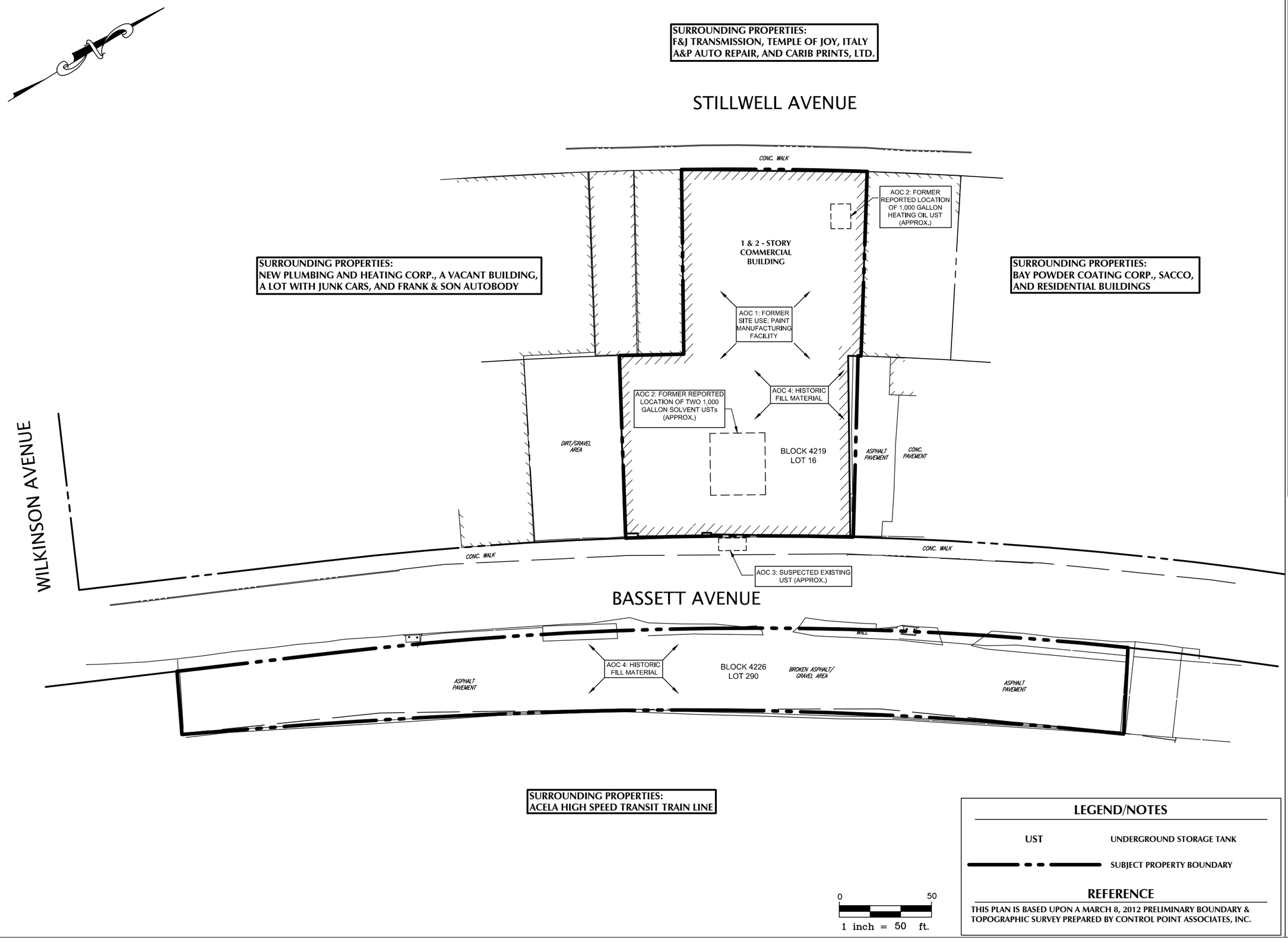
FIGURE 3
AOC, Surrounding Properties, and Overall Site Plan



LEGEND/NOTES

UST	UNDERGROUND STORAGE TANK
— · · —	SUBJECT PROPERTY BOUNDARY

REFERENCE

THIS PLAN IS BASED UPON A MARCH 8, 2012 PRELIMINARY BOUNDARY & TOPOGRAPHIC SURVEY PREPARED BY CONTROL POINT ASSOCIATES, INC.

WHITESTONE ASSOCIATES, INC.
35 TECHNOLOGY DRIVE
WARREN, NEW JERSEY 07059
908.668.7777 • 908.754.5936 FAX

FIGURE:	SCALE:	DATE:	PROJ. MGR.:	BY:	PROJECT #:
3	1"=50'	09/04/14	CS	GR	EJ1111829.002

TITLE: AOC, SURROUNDING PROPERTIES, AND OVERALL SITE PLAN

CLIENT: STILLWELL SELF STORAGE, LLC

PROJECT: REMEDIAL INVESTIGATION REPORT
1538 STILLWELL AVENUE AND
1540 BASSETT AVENUE
BRONX, BRONX COUNTY, NEW YORK

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FIGURE 4
Proposed Site Redevelopment Plans

EXISTING BASE MAP NOTES:

1. BASE MAPPING REFERENCE

   EXISTING TOPOGRAPHIC, BOUNDARY AND/OR UTILITY INFORMATION AS SHOWN ON THIS/THESE DESIGN DOCUMENT(S) ARE BASED ON PLAN(S) "BOUNDARY AND TOPOGRAPHIC SURVEY", PREPARED BY CONTROL POINT ASSOCIATES, INC, DATED 3/8/2012.

   ACTUAL SITE CONDITIONS MAY VARY FROM THOSE ENCOUNTERED AT THE TIME THE SURVEY DATA SHOWN HEREON WAS OBTAINED.

   PRIOR TO ANY USE OF THIS DATA, INCLUDING BUT NOT LIMITED TO DESIGN OR CONSTRUCTION, THE APPROPRIATE DATA CONFIRMATIONS SHALL BE MADE.

   ADDITIONAL UTILITY REFERENCES USED IN THE PREPARATION OF THE REFERENCED PLAN ARE SHOWN THEREON.

2. UTILITY REFERENCE

   LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING AND LANDSCAPE ARCHITECTURE, D.P.C. (LANGAN) CANNOT AND DOES NOT REPRESENT THAT THE ACCURACY OF THE UTILITY INFORMATION SHOWN ON THE REFERENCED PLAN(S) IS ACCURATE. LANGAN DOES NOT REPRESENT THAT THE UNDERGROUND UTILITIES SHOWN HEREON ARE IN SERVICE, ABANDONED, SUITABLE FOR USE OR ARE OF THE EXACT TYPE, SIZE, LOCATION (HORIZONTAL AND VERTICAL) OR CONFIGURATION INDICATED HEREON, NOR COMPRISE ALL THE UTILITIES WITHIN THE SUBJECT AREA.

   ACTUAL CONDITIONS MAY VARY FROM THOSE ENCOUNTERED AT THE TIME THE DATA WAS OBTAINED AND/OR SUPPLIED.

   PRIOR TO ALL DESIGN AND CONSTRUCTION, THE APPROPRIATE UTILITY AGENCIES SHALL BE CONTACTED TO OBTAIN WRITTEN VERIFICATION OF UTILITY TYPE AND FIELD LOCATION. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, UTILITY LOCATIONS, TYPES, ETC. AND INVERTS PRIOR TO THE START OF CONSTRUCTION. ANY CONDITIONS FOUND THAT DIFFER FROM THOSE SHOWN ON THESE DOCUMENTS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER IN WRITING PRIOR TO CONDUCTING ANY INTRUSIVE WORK.

EROSION & SEDIMENT CONTROL NOTES:

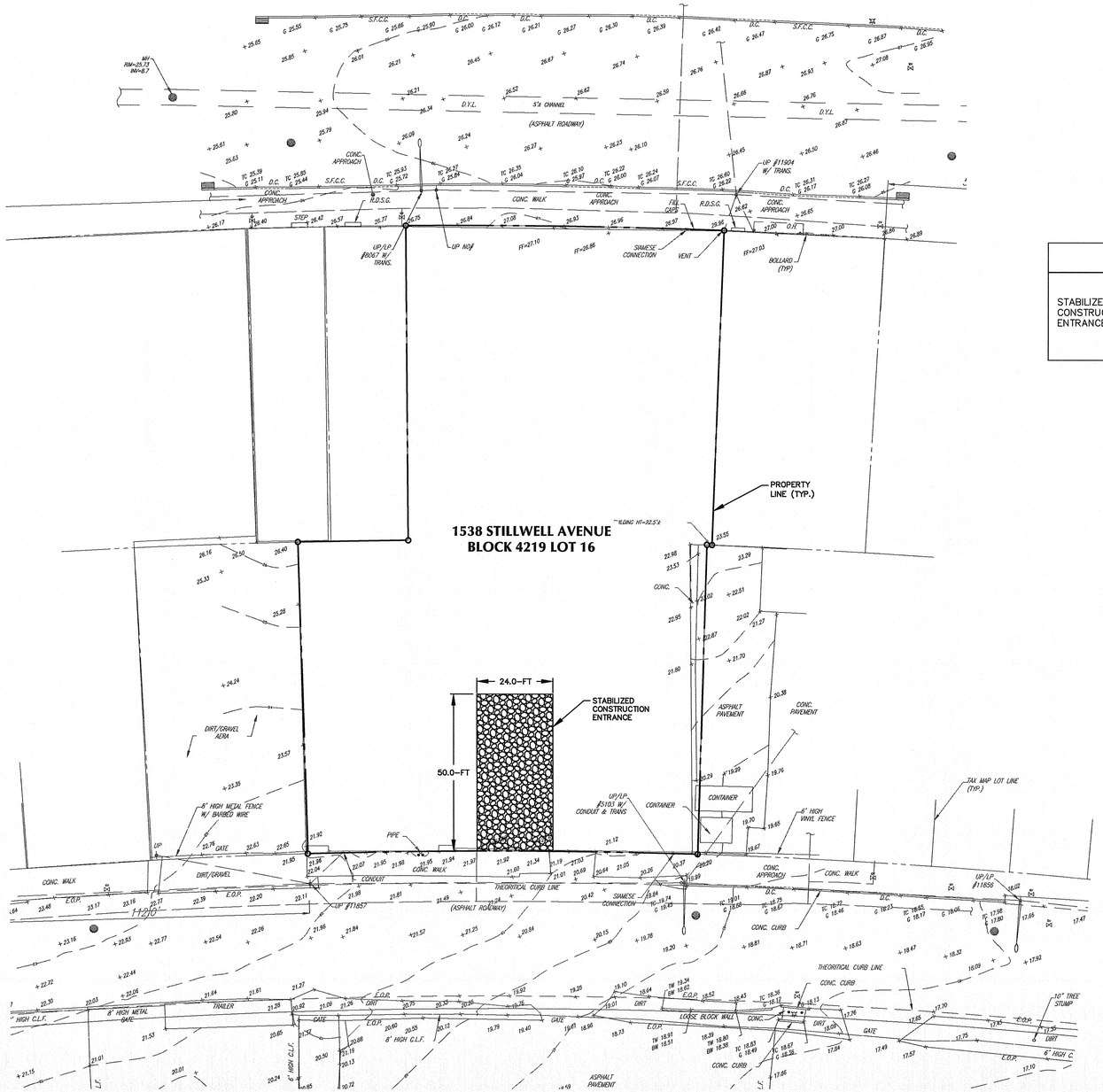
1. THE CONTRACTOR IS REQUIRED TO COMPLY WITH ALL DIRECTIONS OF THE OWNER AND OWNER'S REPRESENTATIVE WITH RESPECT TO EROSION AND SEDIMENT CONTROL MEASURE INSTALLATION, REPAIRS, ETC.
2. SILT FENCE INSTALLATION SHALL BE PHASED AS REQUIRED TO PROTECT ACTUAL AREAS OF EXPOSED DISTURBED SOIL AT ANY GIVEN TIME.
3. THE CONTRACTOR IS RESPONSIBLE FOR THE PROPER CONSTRUCTION, STABILIZATION, AND MAINTENANCE OF ALL TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES AND RELATED ITEMS INCLUDED WITHIN THIS PLAN. THE CONTRACTOR IS ALSO RESPONSIBLE FOR THE PROPER CONSTRUCTION AND STABILIZATION OF PERMANENT CONTROL MEASURES AND RELATED ITEMS INCLUDED WITHIN THIS PLAN.
4. ALL SEDIMENT CONTROL ELEMENTS SHALL BE INSTALLED PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES, IN PROPER SEQUENCE, AND MAINTAINED UNTIL EXTERIOR CONSTRUCTION IS COMPLETED. ALL SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED ON A DAILY BASIS AND AFTER EACH SIGNIFICANT RAINFALL EVENT. THIS DAILY PROCEDURE SHALL BE DOCUMENTED IN A LOG BOOK. DAMAGE TO ANY SEDIMENTATION CONTROL STRUCTURE SHALL BE REPAIRED IMMEDIATELY. REFER TO "MAINTENANCE SCHEDULE" NOTES ON THIS SHEET FOR MORE INFORMATION.
5. SOIL SEDIMENT REMOVED FROM ANY TEMPORARY CONTROL MEASURE DURING REGULAR MAINTENANCE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN ACCORDANCE WITH APPLICABLE REGULATIONS.
6. ALL WORK TO BE PERFORMED IN ACCORDANCE WITH THE LATEST NYS DEC STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL AND MEET 2003 EPA CONSTRUCTION GENERAL PERMIT REQUIREMENTS.
7. ALL APPLICABLE SEDIMENT CONTROL PRACTICES SHALL BE LEFT IN PLACE UNTIL CONSTRUCTION IS COMPLETED AND/OR DISTURBED AREAS ARE STABILIZED AS PER NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL SECTION, 2.3.
8. "STABILIZED" SHALL BE DEFINED AS HAVING SUBBASE IN PLACE FOR PAVEMENT AREAS, AND A UNIFORM, 80% VEGETATIVE COVER FOR LANDSCAPED AREAS.
9. CONTRACTOR SHALL IMPLEMENT DUST CONTROL MEASURES DURING CONSTRUCTION. CONTRACTOR TO MINIMIZE DUST CLOUDS BY WATERING DOWN CONSTRUCTION AREA OR OTHER APPROVED METHODS, AS REQUIRED.
10. CONTRACTOR SHALL INSTALL AND MAINTAIN STABILIZED CONSTRUCTION ENTRANCE(S) AS REQUIRED BY THE MEANS AND METHODS FOR THIS WORK.
11. ALL CONSTRUCTION VEHICLES HAULING MATERIALS EITHER INTO OR OUT OF THE CONSTRUCTION AREA SHALL HAVE A SECURED TARP OVER MATERIALS TO PREVENT SEDIMENT POLLUTION OF PUBLIC ROADWAYS.
12. ROADWAYS, PATHS, AND PAVED AREAS IN AND AROUND THE CONSTRUCTION SITE SHALL BE KEPT FREE OF CONSTRUCTION DEBRIS AT ALL TIMES. THESE LOCATIONS SHALL BE SWEPT CLEAN AT THE END OF EACH WORKING DAY AND AS REQUIRED BY THE OWNER.
13. AS NEW DRAINAGE STRUCTURES ARE INSTALLED, INLET PROTECTION SHALL CONCURRENTLY BE INSTALLED IN THE NEW STRUCTURES. CONTRACTOR SHALL PROVIDE FOR PROPER DRAINAGE OF THE SITE AT ALL TIMES DURING REMOVALS AND CONSTRUCTION.
14. CLEAN STORM DRAINAGE STRUCTURES AS REQUIRED/DIRECTED AND AT THE COMPLETION OF THE PROJECT.
15. THE OWNER MAY REQUIRE ADDITIONAL SOIL EROSION MEASURES TO BE INSTALLED.
16. CONTRACTOR SHALL SWEEP AREAS OUTSIDE THE WORK ZONE AS NECESSARY TO PREVENT MUD TRACKING ON ROADWAYS AROUND THE CONSTRUCTION AREA.

MAINTENANCE SCHEDULE:

ALL MAINTENANCE METHODS DESCRIBED BELOW ARE IN DIRECT ACCORDANCE WITH THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL. MAINTENANCE ON ANY EROSION CONTROL MEASURE MAY BE ORDERED BY THE OWNER AT ANY TIME, INDEPENDENT OF THE PRESCRIBED STANDARD MAINTENANCE INTERVALS.

SILT FENCE: MAINTENANCE OF ALL SILT FENCE INSTALLED SHALL BE PERFORMED AS NEEDED. WHEN "BULGES" OF MATERIAL DEVELOP ON THE FENCE, IT SHALL BE REMOVED.

FILTER FABRIC INLET PROTECTION: FABRIC SHALL BE WRAPPED AROUND THE INLET GRATE. INSPECT THE FABRIC BARRIER AFTER EACH RAIN EVENT AND MAKE REPAIRS OR REPLACE AS NEEDED. UPON STABILIZATION OF THE DRAINAGE AREA, REMOVE ALL MATERIALS AND UNSTABLE SEDIMENT AND DISPOSE OF IN ACCORDANCE WITH APPLICABLE REGULATIONS.



1 EROSION AND SEDIMENT CONTROL PLAN

1" = 20'

LEGEND

STABILIZED CONSTRUCTION ENTRANCE	

20 0 5 10 20

SCALE IN FEET

ISSUE DATE:

1 5/23/2013 PERMIT SET

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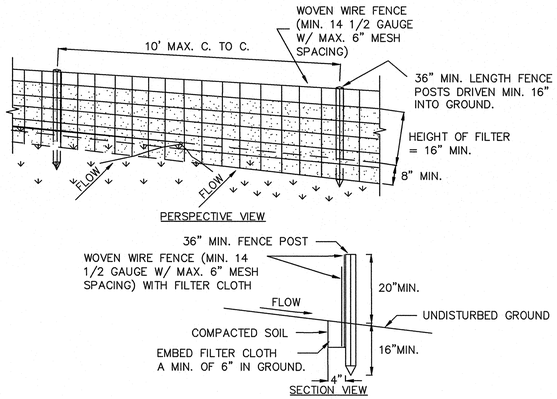
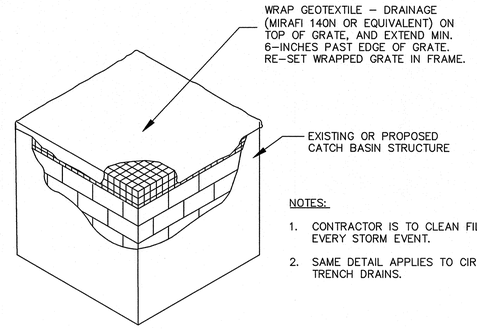


CONSTRUCTION SPECIFICATIONS:

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
2. FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 12 1/2 GAUGE, 6" MAXIMUM MESH OPENING.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

1 SILT FENCE

N.T.S.

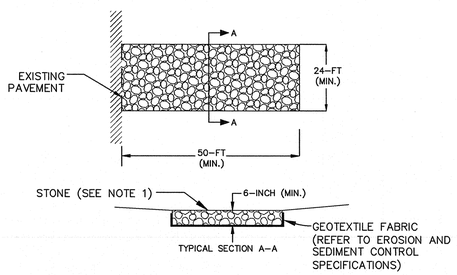


NOTES:

1. CONTRACTOR IS TO CLEAN FILTER FABRIC AFTER EVERY STORM EVENT.
2. SAME DETAIL APPLIES TO CIRCULAR INLETS AND TRENCH DRAINS.

3 FILTER FABRIC INLET PROTECTION

N.T.S.



STONE SIZE – USE AASHTO NO. 1 CRUSHED STONE

THICKNESS OF STONE – NOT LESS THAN SIX INCHES.

LENGTH OF STABILIZED CONSTRUCTION ACCESS – NOT LESS THAN 50 FEET

WIDTH – TWELVE FEET MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR FEET IF SINGLE ENTRANCE TO SITE.

GEOTEXTILE – WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. (REFER TO EROSION AND SEDIMENT CONTROL SPECIFICATIONS)

SURFACE WATER – ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.

MAINTENANCE – THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO THE PUBLIC RIGHT-OF-WAY, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.

WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.

PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

2 STABILIZED CONSTRUCTION ENTRANCE

N.T.S.

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GENERAL SITE NOTES:

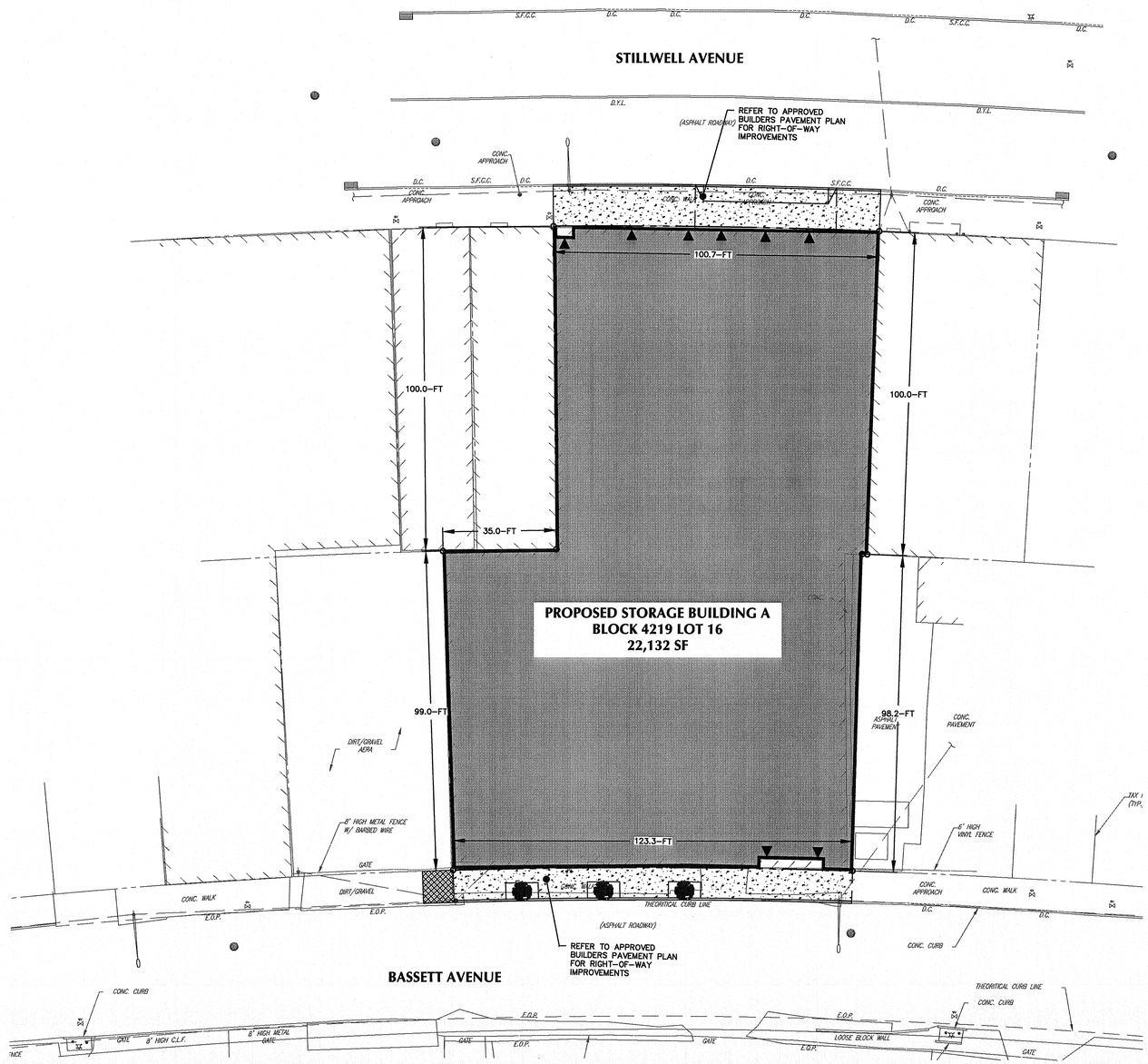
1. THESE PLANS REPRESENT THE OVERALL SITEWORK IMPROVEMENTS REQUIRED FOR PROJECT CONSTRUCTION. THE CONTRACTOR SHALL FURNISH, INSTALL, TEST AND COMPLETE ALL WORK TO THE SATISFACTION OF THE ENGINEER AND OWNER IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION; AS SUCH, THESE PLANS DO NOT COMPLETELY REPRESENT, NOR ARE THEY INTENDED TO REPRESENT, ALL SPECIFIC INSTRUCTIONS REQUIRED FOR SITEWORK CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONSTRUCT ALL IMPROVEMENTS DEPICTED ON THESE PLANS IN ACCORDANCE WITH ALL APPLICABLE RULES, REGULATIONS AND LAWS IN EFFECT AT THE TIME OF CONSTRUCTION.

2. THE CONTRACTOR SHALL ACCEPT THE SITE AS IS. THE CONTRACTOR SHALL ASSESS CONDITIONS, AND THE KIND, QUALITY AND QUANTITY OF WORK REQUIRED. THE OWNER MAKES NO GUARANTEE IN REGARD TO THE ACCURACY OF ANY AVAILABLE INFORMATION WHICH WAS OBTAINED DURING INVESTIGATIONS. THE CONTRACTOR SHALL MAKE A THOROUGH SITE INSPECTION IN ORDER TO FIELD CHECK EXISTING SITE CONDITIONS, CORRELATE CONDITIONS WITH THE DRAWINGS AND RESOLVE ANY POSSIBLE CONSTRUCTION CONFLICTS WITH THE OWNER AND ENGINEER PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR SHALL MAKE ADDITIONAL TOPOGRAPHIC SURVEYS HE DEEMS NECESSARY, PROVIDED THEY ARE COORDINATED WITH THE OWNER. ANY CONDITIONS DETERMINED BY THE CONTRACTOR THAT DIFFER FROM THE INFORMATION SHOWN ON THE DRAWINGS THAT ARE NOT BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER PRIOR TO THE START OF WORK SHALL NOT BE CONSIDERED GROUNDS FOR ADDITIONAL PAYMENT OR CHANGES TO THE CONTRACT DURATION, OR ANY OTHER CLAIMS AGAINST THE OWNER OR OWNER'S ENGINEER.

3. THE CONTRACTOR SHALL, WHEN THEY DEEM NECESSARY, PROVIDE WRITTEN REQUESTS FOR INFORMATION (RFIS) TO THE OWNER AND ENGINEER PRIOR TO THE CONSTRUCTION OF ANY SPECIFIC SITEWORK ITEM. THE (RFI) SHALL BE IN A FORM ACCEPTABLE TO OWNER AND ENGINEER AND SHALL ALLOW FOR A MINIMUM OF TWO WORK DAYS OR ADDITIONAL REASONABLE TIME FOR A WRITTEN REPLY. RFIS SHALL BE NUMBERED CONSECUTIVELY BY DATE SUBMITTED. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SITEWORK ITEMS CONSTRUCTED DIFFERENTLY THAN INTENDED OR AS DEPICTED ON THE PLANS.

4. INFORMATION RELATED TO ELEVATIONS AND PROPOSED UTILITIES (SUCH AS ROADWAY GRADES, INVERT ELEVATIONS, RIM ELEVATIONS, GRATE ELEVATIONS, BUILDING FINISHED FLOOR ELEVATIONS, ETC.) MAY BE FOUND IN MORE THAN ONE LOCATION IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL SUFFICIENTLY REVIEW ALL PLANS, PROFILES AND ANY OTHER INFORMATION IN THE CONTRACT DOCUMENTS FOR CONSISTENCY PRIOR TO CONSTRUCTION. ANY INCONSISTENCIES OR DISCREPANCIES THAT ARE FOUND BY THE CONTRACTOR OR HIS ASSIGNS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER IN WRITING, IN THE FORMAT OF AN RFI PRIOR TO CONSTRUCTION.

5. THERE ARE ADDITIONAL NOTES, SPECIFICATIONS AND REQUIREMENTS CONTAINED THROUGHOUT THE PLAN SET AS WELL AS REFERENCES TO SPECIFICATIONS FROM APPLICABLE GOVERNING AUTHORITIES AND INDUSTRY STANDARDS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN, REVIEW AND ADHERE TO ALL THESE DOCUMENTS.



1 SITE PLAN
1" = 20'

LEGEND	
PROPERTY LINE	
PROPOSED CURB	
DOOR	
BUILDING LINE	

20 0 5 10 20
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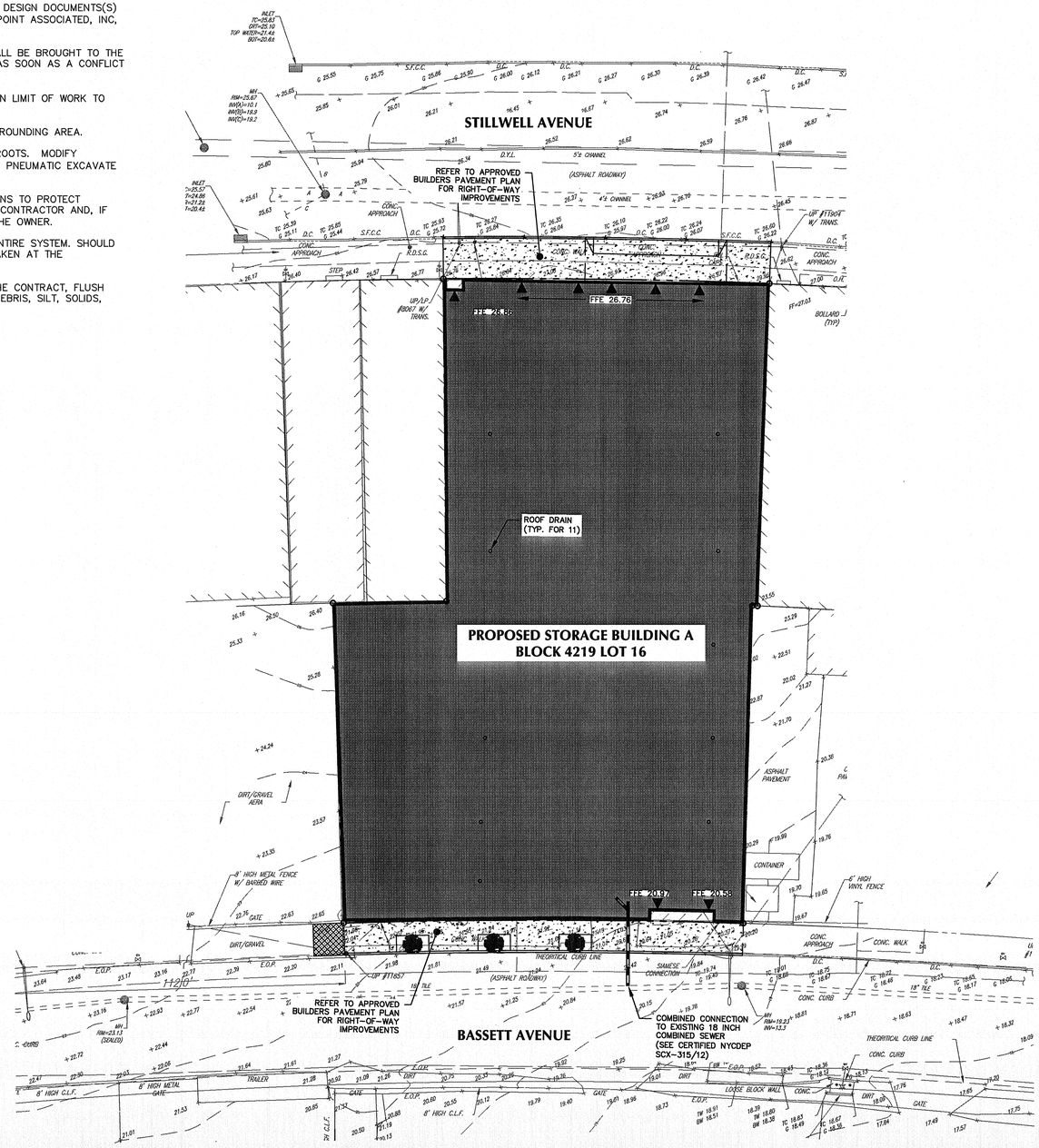
GENERAL NOTES:

1. EXISTING TOPOGRAPHIC, BOUNDARY AND/OR UTILITY INFORMATION AS SHOWN ON THIS/THESE DESIGN DOCUMENTS(S) ARE BASED ON PLANS(S) "BOUNDARY AND TOPOGRAPHIC SURVEY", PREPARED BY CONTROL POINT ASSOCIATED, INC, DATED 3/8/2012.
2. ANY CONFLICT OR DISCREPANCIES BETWEEN THE PLANS AND OBSERVED SITE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER FOR CLARIFICATION PRIOR TO THE START OF CONSTRUCTION, OR AS SOON AS A CONFLICT / DISCREPANCY IS DISCOVERED.
3. ADJUST ALL EXISTING DRAINAGE STRUCTURES AND UTILITY MANHOLES / VALVE COVERS WITHIN LIMIT OF WORK TO NEW GRADE.
4. ALL CATCH BASINS / INLET STRUCTURES SHALL BE LOCATED AT THE LOW POINT WITHIN SURROUNDING AREA.
5. THE CONTRACTOR SHALL EXERCISE EXTREME CARE TO PROTECT EXISTING TREES AND THEIR ROOTS. MODIFY TRENCHES OR CHANNELS TO AVOID EXISTING TREES AND THEIR ROOTS. ONLY HAND AND/OR PNEUMATIC EXCAVATE WITHIN THE DROP LINES OF EXISTING TREES.
6. THE CONTRACTOR SHALL EXERCISE EXTREME CARE DURING EXCAVATION / GRADING OPERATIONS TO PROTECT EXISTING FACILITIES TO REMAIN. SAID FACILITIES SHALL BECOME THE RESPONSIBILITY OF THE CONTRACTOR AND, IF DAMAGED, SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
7. THE CONTRACTOR SHALL ENSURE THAT POSITIVE DRAINAGE IS ACHIEVED THROUGHOUT THE ENTIRE SYSTEM. SHOULD THE CONTRACTOR FAIL TO ACHIEVE POSITIVE DRAINAGE, CORRECTIVE MEASURES SHALL BE TAKEN AT THE CONTRACTOR'S EXPENSE AND AS DIRECTED BY THE OWNER.
8. THE CONTRACTOR SHALL, AS NEEDED TO ENSURE DRAINAGE, AND AT THE COMPLETION OF THE CONTRACT, FLUSH ALL ON-SITE STORM SEWER LINES AND CLEAR THE PIPES OF ANY AND ALL CONSTRUCTION DEBRIS, SILT, SOLIDS, ETC.
9. REFER TO PLUMBING, STRUCTURAL, AND ARCHITECTURAL PLANS FOR TRENCH DRAIN DETAILS.



1 GRADING AND DRAINAGE PLAN

1" = 20'

LEGEND

SEWER PIPE	
SPOT ELEVATION	× 27.00
DOOR SYMBOL WITH FINISHED FLOOR ELEVATION	FFE X.XX
PROPOSED ON-SITE BOTTOM OF CURB ELEVATION	× BC 27.00
PROPOSED TOP OF CURB ELEVATION	× TC 27.00
EXISTING AMTRAK BOTTOM OF CURB ELEVATION	× (BC 27.00)

20 0 5 10 20

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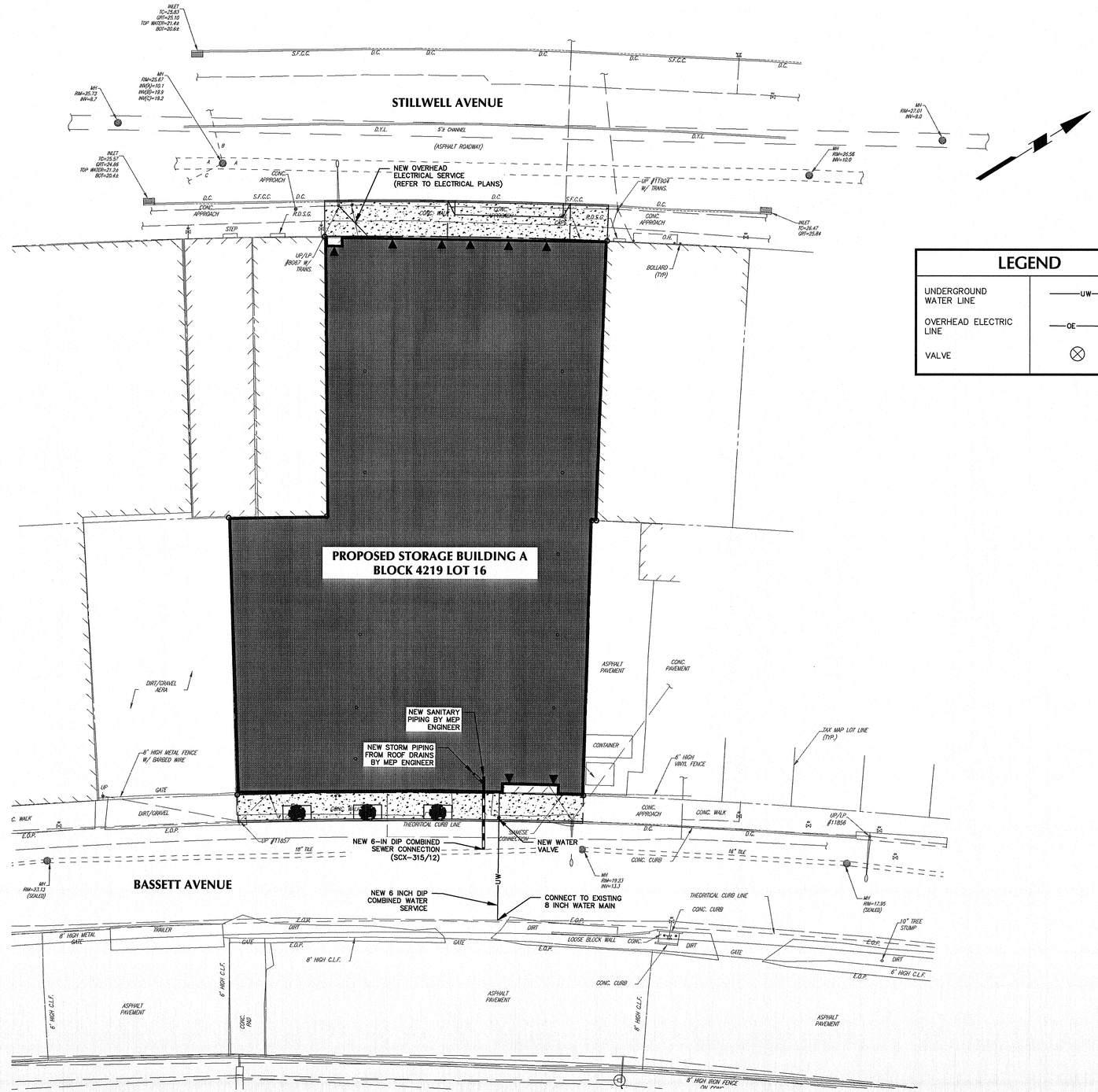
GENERAL NOTES:

1. THE CONTRACTOR SHALL PERFORM ANY TEST PITS NECESSARY TO CONFIRM THE DESIGN AND EXISTING CONDITIONS PRESENTED IN THESE CONTRACT DOCUMENTS PRIOR TO THE COMMENCEMENT OF WORK.
2. ALL UTILITIES NOT SPECIFICALLY CALLED OUT FOR REMOVAL SHALL BE MAINTAINED AND PROTECTED THROUGHOUT THE COURSE OF CONSTRUCTION.
3. ADJUST ALL EXISTING DRAINAGE STRUCTURES AND UTILITY MANHOLES/VALVE COVERS WITHIN LIMIT OF WORK TO NEW GRADE.
4. EXISTING GAS SERVICE TO BUILDING. ELECTRICAL SERVICE TO BUILDINGS SHOWN CONCEPTUALLY. ELECTRICAL AND TELECOM SCOPES TO BE CONFIRMED BY ELECTRICAL ENGINEER.



1 UTILITY PLAN
1" = 20'

LEGEND	
UNDERGROUND WATER LINE	—UW—
OVERHEAD ELECTRIC LINE	—OE—
VALVE	⊗

20 0 5 10 20
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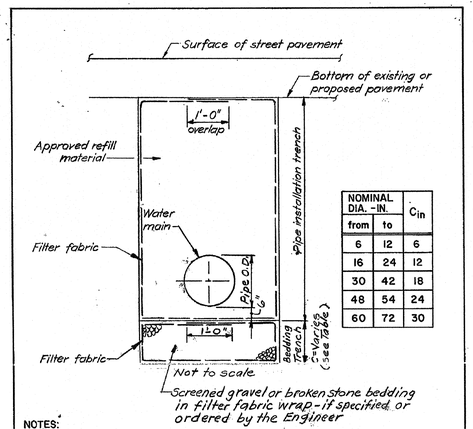

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from	to	
6	12	6
16	24	12
30	42	18
48	54	24
60	72	30

NOTES:

1. See Std. Specifications for Pay Limits for Filter Fabric and screened gravel or broken stone bedding.
2. Depth of bedding shall be as shown in the Table above or as ordered and approved by the Engineer.

CITY OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER SUPPLY

GRAVEL OR BROKEN STONE BEDDING AND FILTER FABRIC INSTALLATION FOR DUCTILE CAST IRON PIPES

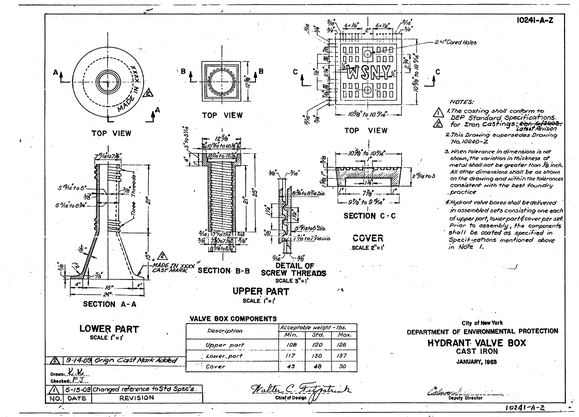
NOV. 1985
REVISED: FEB. 1989

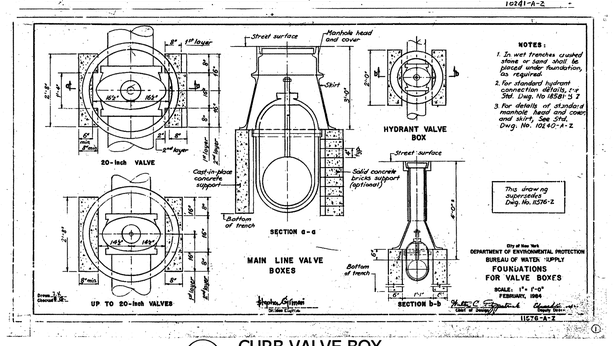
Stephen Grimm P.E. — DIVISION ENGINEER
Walter C. Fitzpatrick P.E. — CHIEF OF DESIGN
Edward C. Schroeder P.E. — DEPUTY DIRECTOR

DRAWN BY: A.S.
CHECKED BY: A.B.

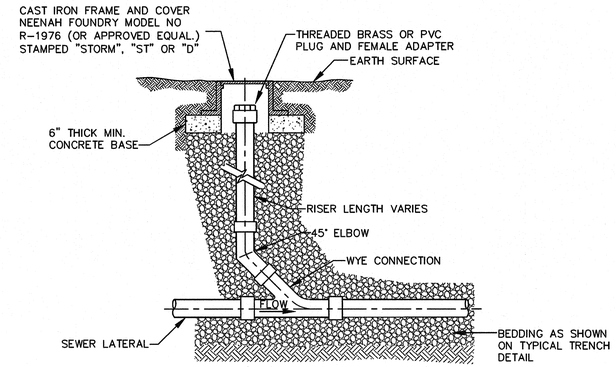
This drawing supersedes Dwg. No. 44292-A-Z 44292-B-Z

1 TYPICAL WATER MAIN TRENCHING
N.T.S.





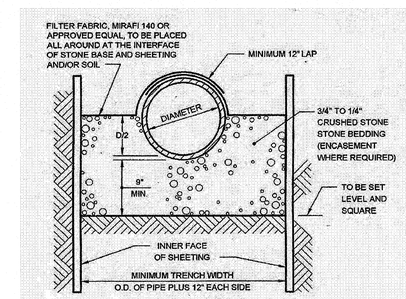
2 CURB VALVE BOX
N.T.S.



NOTES:

1. RISER AND FITTING MATERIALS SHALL MATCH SEWER LATERAL MATERIAL AND DIAMETER.

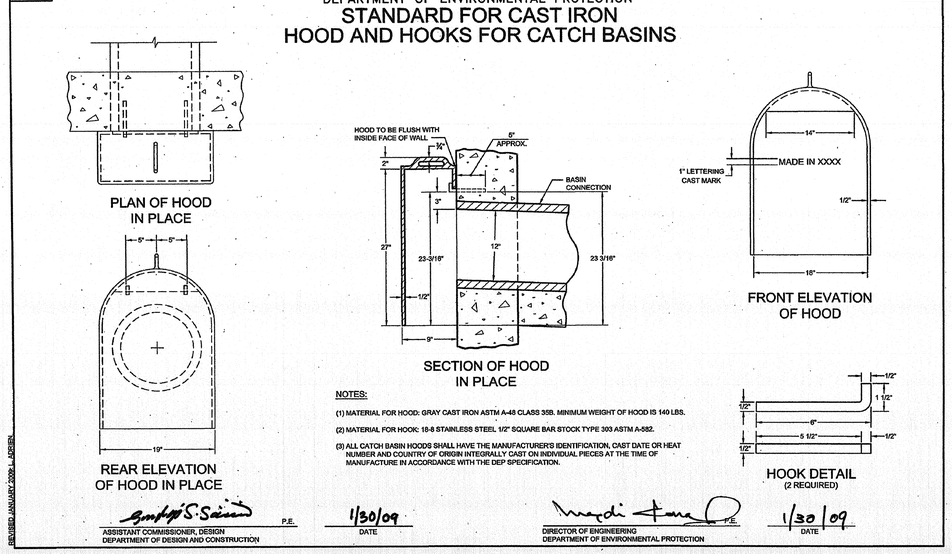
3 CLEANOUT
N.T.S.



4 TYPICAL SEWER SERVICE TRENCHING
N.T.S.

SE60 — CITY OF NEW YORK — DEPARTMENT OF ENVIRONMENTAL PROTECTION — SE60

STANDARD FOR CAST IRON HOOD AND HOOKS FOR CATCH BASINS



NOTES:

(1) MATERIAL FOR HOOD: GRAY CAST IRON ASTM A-48 CLASS 35B. MINIMUM WEIGHT OF HOOD IS 140 LBS.

(2) MATERIAL FOR HOOK: 18-8 STAINLESS STEEL 1/2" SQUARE BAR STOCK TYPE 303 ASTM A-582.

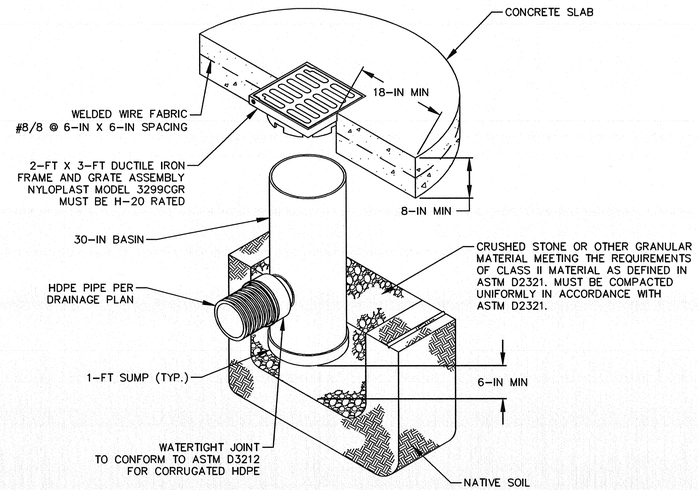
(3) ALL CATCH BASIN HOODS SHALL HAVE THE MANUFACTURER'S IDENTIFICATION, CAST DATE OR HEAT NUMBER AND COUNTRY OF ORIGIN INTEGRALLY CAST ON INDIVIDUAL PIECES AT THE TIME OF MANUFACTURE IN ACCORDANCE WITH THE DEP SPECIFICATION.

ASSISTANT COMMISSIONER, DESIGN DEPARTMENT OF DESIGN AND CONSTRUCTION — P.E. — 1/30/09 DATE

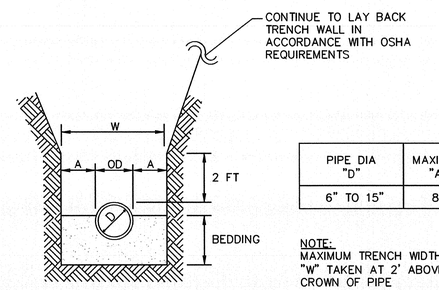
DIRECTOR OF ENGINEERING DEPARTMENT OF ENVIRONMENTAL PROTECTION — P.E. — 1/30/09 DATE

REVISED: JANUARY 2009 - A.ORSEN

5 MANHOLE HOOD
N.T.S.



6 NYLOPLAST DRAIN BASIN
N.T.S.



PIPE DIA "D"	MAXIMUM "A"
6" TO 15"	8"

NOTE:
MAXIMUM TRENCH WIDTH "W" TAKEN AT 2' ABOVE CROWN OF PIPE

7 STANDARD PIPE TRENCH WIDTH
N.T.S.

ISSUE DATE:

1 5/23/2013 PERMIT SET

REVISION DATE:

Stillwell Avenue Self Storage - Bldg. A

Stillwell Self Storage LLC
1538 Stillwell Avenue
Bronx, NY

NYC DOB NB#

BUTZ•WILBERN LTD
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800 W. Broad St. Suite 363
Falls Church, Virginia 22046
703-356-6771 fax: 356-7010

STATE OF NEW YORK — CHRISTOPHER WILBERN — LICENSED PROFESSIONAL ENGINEER — 070863 — OCTOBER 3, 2012

Warning: It is a violation of the NYS Education Law Article 145 for any person, unless he is acting under the direction of a licensed Professional Engineer, to alter this item in any way.
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Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan International LLC
Collectively known as Langan

C-711.00

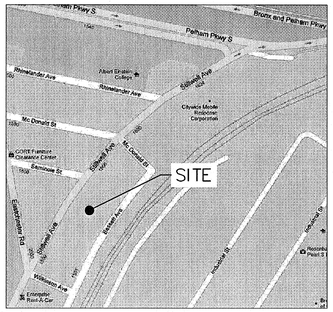
6 OF 12

12005

DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER AND SEWER OPERATIONS

SITE PLAN - SITE CONNECTION PROPOSAL

SCX - 315/12 DOB#



KEY PLAN
SCALE: N.T.S.

LEGEND

123	EXISTING CONTOUR
x 123.45	EXISTING SPOT ELEVATION
x TC 123.45	EXIST. TOP OF CURB ELEVATION
x G 123.45	EXIST. GUTTER ELEVATION
x TW 123.45	EXIST. TOP OF WALL ELEVATION
x BW 123.45	EXIST. BOTTOM OF WALL ELEVATION
x FF=123.45	EXIST. FINISHED FLOOR ELEVATION
x (123.5)	LEGAL GRADE
	HYDRANT
WV	WATER VALVE
GV	GAS VALVE
OH	OVERHEAD WIRES
G	UNCONFIRMED LOC. UNDERGROUND GAS LINE
E	UNCONFIRMED LOC. UNDERGROUND ELEC. LINE
W	UNCONFIRMED LOC. UNDERGROUND WATER LINE
	UTILITY POLE
	UTILITY POLE/LIGHT POLE
	BOLLARD
E.O.P.	EDGE OF PAVEMENT
D.C.	DEPRESSED CURB
R.D.S.G.	ROLL DOWN SECURITY GATE
S.F.C.C.	STEEL FACED CONC. CURB
C.L.F.	CHAIN LINK FENCE
D.Y.L.	DOUBLE YELLOW LINE
O.H.	OVERHANG
1.0'	DENOTES OFFSET OF STRUCTURE AT GROUND LEVEL RELATIVE TO PROPERTY LINE

GENERAL NOTES

1. EXISTING TOPOGRAPHIC AND BOUNDARY INFORMATION SHOWN HEREON IS A RESULT OF AN ACTUAL SURVEY PERFORMED BY CONTROL POINT ASSOCIATES, INC., DATED 12-19-12, LAST REVISED 5-29-13.
2. ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE BOROUGH OF BRONX HIGHWAY DATUM, WHICH IS 2.608 FEET ABOVE MEAN SEA LEVEL AT SANDY HOOK, NEW JERSEY, AS ESTABLISHED BY THE U.S. COAST AND GEODETIC SURVEY.
3. SEWER SERVICE CONNECTIONS TO NYC DEP SEWERS SHALL BE DUCTILE IRON PIPE. NO SUBSTITUTIONS ALLOWED.
4. ALL SEWER WORK SHOWN ON THIS PLAN SHALL BE IN CONFORMANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF THE NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION.

I, CHRISTOPHER VITOLANO, A LICENSED PROFESSIONAL ENGINEER, (NUMBER 081589) IN THE STATE OF NEW YORK, DO HEREBY CERTIFY THIS PLAN WAS DONE BY ME OR UNDER MY DIRECT SUPERVISION AND NO PART OF SAID WORK WAS DONE BY ANY EMPLOYEE OF THE CITY OF NEW YORK.

SEAL & SIGNATURE

NYS LICENSED PROFESSIONAL ENGINEER NAME:
CHRISTOPHER VITOLANO, P.E.

ADDRESS:
LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING AND LANDSCAPE ARCHITECTURE, D.P.C.
21 PENN PLAZA 360 W. 31ST STREET, 8TH FL.
NEW YORK, NY. 10001

TELEPHONE NUMBER:
212.479.5400

STORM DESIGN CALCULATIONS
CONNECTION #1

STORM FLOW CALCULATIONS WERE CALCULATED BASED ON NYCDEP "CRITERIA FOR DETERMINATION OF DETENTION FACILITY VOLUME"

SANITARY FLOW

ZONING: M1-1

AREA = 0.51 ACRE

$$Q_{SANITARY} = \frac{10{,}000\ GAL/ACRE/DAY \times 1.00 \times AREA}{7.48 \times 86{,}400}$$

$$Q_{SANITARY} = \frac{10{,}000\ GAL/ACRE/DAY \times 1.00 \times 0.51\ AC}{7.48 \times 86{,}400} = 0.008\ CFS$$

PEAK SANITARY FLOW MULTIPLIER = 2

$Q_{SAN.PEAK}$ **= 2 x 0.008 CFS = 0.02 CFS**

ALLOWABLE STORM FLOW

$Q_{ALLOWED} = C \times I \times A$

C = 0.44, BRONX PRE-1964

I = 4.00 IN/HR

A = 12,495 SF (0.29 AC)

$Q_{ALLOWED} = C \times I \times A = 0.44 \times 4.00\ IN/_{HR} \times 0.29\ AC = 0.51\ CFS$

DEVELOPED STORM FLOW

$Q_{DEVELOPED} = C_W \times I \times A$

I = 5.95 IN/HR

$C_{ROOF} = 1.00$

$Q_{DEVELOPED} = C_{ROOF} \times I \times A = 1.00 \times 5.95\ IN/_{HR} \times 0.51\ (AC) = 3.03\ CFS$

RESTRICTED FLOW RATE

$$Q_{CP} = \frac{Q_{ALLOWED}}{A \times C_W} = \frac{0.51\ CFS}{0.51\ AC \times 1.00} = 1.00\ CFS/ACRE$$

DURATION OF STORM (MINUTES)

$$t = \sqrt{\frac{12{,}600}{Q_C}} - 15 = \sqrt{\frac{12{,}600}{1.00\ CFS/ACRE}} - 15 = 41.13\ MIN$$

VOLUME OF STORAGE REQUIRED

$$V = \left[\frac{8400t}{(t+15)} - 40 \times t \times Q_D\right] \times A \times C_W$$

$$V = \left[\frac{8400 \times 41.13\ MIN}{(41.13\ MIN + 15)} - 40 \times 41.13\ MIN \times 1.00\ CFS/ACRE\right] \times 0.51\ AC \times 1.00 = 2{,}300.11\ CF$$

$V_{REQUIRED}$ = 2,300 CF (17,207 GAL)

VOLUME OF STORAGE PROVIDED

PROVIDE 2.25-INCH WATER DETENTION ACROSS 12,299 SF OF ROOF AREA

$V_{PROVIDED}$ = 2.25-INCH x 12,299 SF = 2,306 CF (17,251 GAL)

[$V_{PROVIDED}$ = 2,306 CF] ≥ [$V_{REQUIRED}$ = 2,300 CF]

FLOW FROM CONTROLLED FLOW ROOF DRAINS

NUMBER OF DRAINS: 11

PEAK FLOW PER DRAIN: 9.1 GPM PER INCH PER NYC DEP GUIDELINES

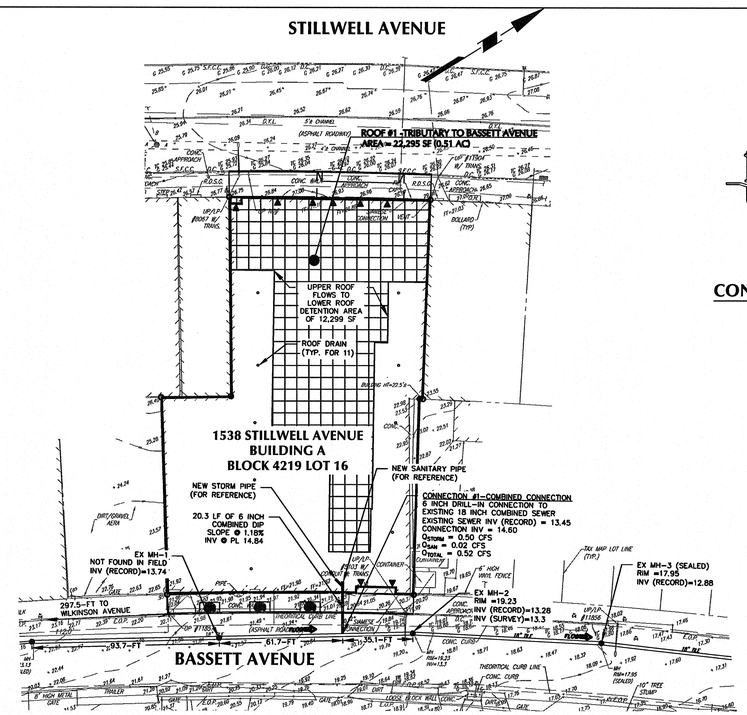
TOTAL OUTLET FLOW = (11 x 9.1 GPM/in x 2.25in.) / 450 GPM = 0.50 CFS

[OUTLET FLOW = 0.50 CFS] ≤ [ALLOWABLE FLOW = 0.51 CFS]

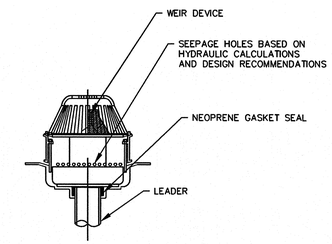
COMBINED FLOW CALCULATION FOR CONNECTION #1

$Q = Q_{RESTRICTED} + Q_{SAN.PEAK}$

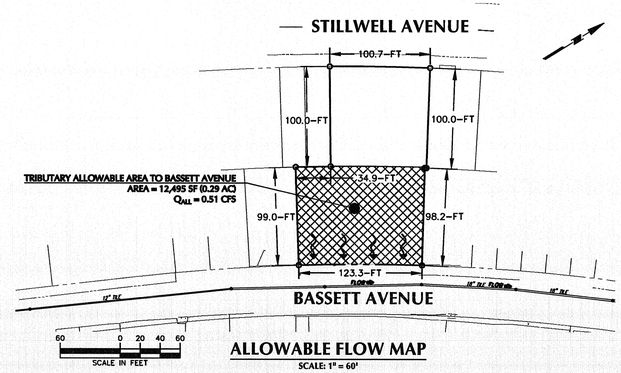
Q = 0.50 CFS + 0.02 CFS = 0.52 CFS



SITE PLAN
SCALE: 1" = 30'



CONTROLLED FLOW ROOF DRAIN
SCALE: N.T.S.



ALLOWABLE FLOW MAP
SCALE: 1" = 60'

PROJECT INFORMATION

BOROUGH: BRONX
ADDRESS: 1538 STILLWELL AVENUE BRONX, NEW YORK 10461
BLOCKS: 4219
PRESENT LOTS: 16
TENTATIVE LOTS: ------
EXISTING ZONING: M1-1
PROPOSED ZONING: ------
DEVELOPMENT TYPE: STORAGE FACILITY
OWNERSHIP TYPE: FEE SIMPLE
STORM FLOW DETENTION NOTES (IF APPLICABLE): ROOF FLOW TO PROPOSED CONNECTION 1 OF 3.03 CFS WILL BE RESTRICTED TO 0.50 CFS BY MEANS OF DETENTION FACILITIES AND CONTROLLED FLOW DEVICES.
SANITARY FLOW: 0.02 CFS
NAME OF CITY TREATMENT PLANT: HUNTS POINT
DATUM: BOROUGH OF BRONX HIGHWAY DATUM (2.608 FEET ABOVE MEAN SEA LEVEL AT SANDY HOOK NEW JERSEY, AS ESTABLISHED BY THE U.S. COAST AND GEODETIC SURVEY)
OWNER'S NAME AND ADDRESS: MARK S. ROSEN, STILLWELL STORAGE LLC, 22 MAPLE AVE, MORRISTOWN, NJ 07960

APPLICANT INFORMATION

NAME: CHRISTOPHER VITOLANO, P.E.
FIRM/ORGANIZATION: LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING AND LANDSCAPE ARCHITECTURE, D.P.C.
ADDRESS: 21 PENN PLAZA, 360 WEST 31ST STREET, 8TH FLOOR, NEW YORK, NEW YORK 10001
TELEPHONE: (212) 479-5400

REVISIONS

6TH SUBMISSION
5TH SUBMISSION
4TH SUBMISSION
3RD SUBMISSION 14 JUNE 2013
2ND SUBMISSION 16 JANUARY 2013
1ST SUBMISSION 22 JUNE 2012

CERTIFICATION BOX
(DEP USE ONLY)

SCX-315/12

SHEET 1 OF 2 | SCX-315/12

Filename: \\langan.com\data\NY\data4\170192401\Cadd Data - 170192401\SheetFiles\NYCDEP SCP\170192401 - C - SCP0101 - A.dwg Date: 7/23/2013 Time: 17:14 User: dmitchell Style Table: Langan.stb Layout: SCP-1

NOT FOR CONSTRUCTION
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SEE CERTIFIED SITE CONNECTION PROPOSAL

ISSUE DATE:
1 5/23/2013 PERMIT SET

REVISION DATE:

Stillwell Avenue Self Storage

Stillwell Self-Storage
1538 Stillwell Avenue
Bronx, NY

NYC DOB NB#

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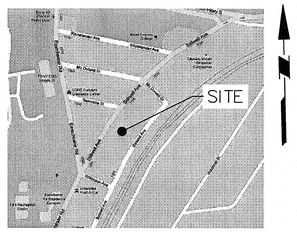
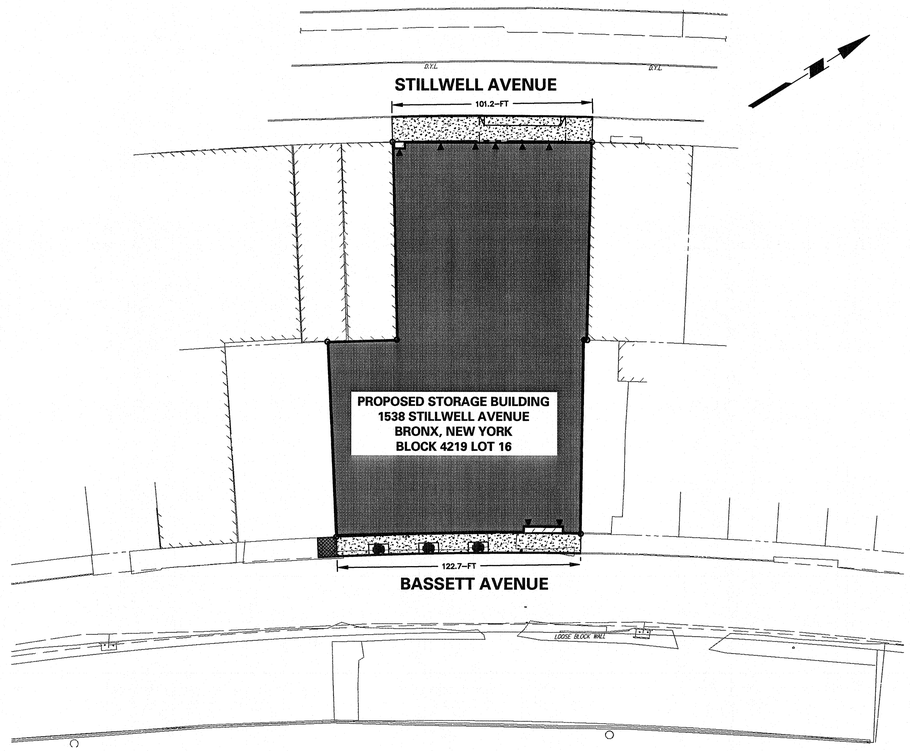
C-811.00
7 OF 12
12005

BUILDERS PAVEMENT PLAN FOR:
STILLWELL AVENUE SELF STORAGE
1538 STILLWELL AVENUE BRONX, NY 10461



AREA MAP
NOT TO SCALE



OVERALL PLAN
Scale: 1"=30'
30 0 15 30
SCALE IN FEET

INSPECTION/FINAL SIGN-OFF

1. THE CONTRACTOR IS RESPONSIBLE TO PROCURE OR PROVIDE ALL ITEMS NECESSARY FOR FINAL NYCDOB/NYCDOT SIGN-OFF, INCLUDING BUT NOT LIMITED TO;

   -NYCDOT INSPECTION AND SIGN-OFF
   -FINAL AS-BUILT SURVEY SIGNED AND SEALED BY A NYS PLS
   -FULL-TIME CONTROLLED INSPECTION AND CONCRETE CORE TESTS SIGNED AND SEALED BY A NYS P.E. OR R.A., ACCOMPANIED BY BPP-11 (ENGINEER'S INSPECTION AFFIDAVIT)

GENERAL NOTES

1. BACKGROUND SHOWN PROVIDED BY CONTROL POINT ASSOCIATES, PER PLAN TITLED "BOUNDARY AND TOPOGRAPHIC SURVEY," DATED 3/8/2012.
2. ELEVATIONS SHOWN ARE REFERENCED TO BOROUGH OF BRONX HIGHWAY DATUM, 2.608 FEET ABOVE NGVD 1929 DATUM.
3. THE CONTRACTOR IS RESPONSIBLE FOR CREATING ALL REQUIRED SITE LOGISTICS PLANS, AND FOR COORDINATING SAID PLANS AND ALL REQUIRED PERMITS WITH THE NEW YORK CITY OFFICE OF CONSTRUCTION MITIGATION AND COORDINATION (OCMC).
4. SIDEWALK REPLACEMENT TO CONSIST OF REMOVING EXISTING CONCRETE SIDEWALK AND CONSTRUCTING NEW 4-INCH AND 7-INCH THICK NYC DOT STANDARD CONCRETE SIDEWALK, AS NOTED (H-1045 TYPE 1 AND TYPE III).
5. TRANSVERSE EXPANSION JOINTS 1/2 INCH WIDE SHALL BE PROVIDED AT INTERVALS OF MAXIMUM 20 FEET AND FILLED WITH PREFORMED BITUMINOUS CELLULAR TYPE JOINT FILLER. SCORE LINES SHALL BE EVERY 5 FEET ON CENTER.
6. EXPANSION JOINT WITH JOINT FILLER TO BE PROVIDED AT INTERFACE OF NEW SIDEWALK AND ALL PROPOSED AND EXISTING SIDEWALK FEATURES (BUILDINGS, VAULT GRATES, MANHOLES, NYCT STRUCTURES, ETC.) EXCEPT TRAFFIC SIGNS.
7. CONTRACTOR TO OBTAIN NECESSARY DOT WORK PERMITS AND PERFORM ALL WORK IN ACCORDANCE WITH DOT REQUIREMENTS AND STANDARDS.
8. ADJUST ALL SURFACE FEATURES TO MATCH EXISTING GRADE AS NECESSARY (EX. HYDRANTS, VALVE COVERS, VAULT LIDS, ETC.). CONTRACTOR TO COORDINATE THIS WORK WITH THE APPROPRIATE UTILITY OWNER(S), AS REQUIRED.
9. ALL STREET SIGNS SHALL BE TEMPORARILY REMOVED AND REPLACED IN KIND.
10. IN ORDER TO COMPLY WITH ADA REQUIREMENTS, THE CONTRACTOR IS REQUIRED TO BREAK THE TRANSVERSE GRADE OF SIDEWALKS SUCH THAT THERE SHALL BE A MINIMUM OF FIVE (5') FEET WIDTH OF SIDEWALK WITH A TRANSVERSE SLOPE NOT EXCEEDING 2% AND THE REMAINING SIDEWALK SLOPE NOT EXCEEDING 5%, WHERE POSSIBLE.
11. EXISTING ROAD STRIPING SHALL BE REPLACED IN KIND FOLLOWING RIGHT-OF-WAY WORK.

SUMMARY OF WORK

1. MAINTAIN AND PROTECT ALL EXISTING UTILITIES.
2. REMOVE EXISTING SIDEWALK AND CONCRETE CURB FRONTING THE SITE ON STILLWELL AND BASSETT AVENUE.
3. INSTALL NEW CONCRETE SIDEWALK AND STEEL FACED CONCRETE CURB ALONG STILLWELL AND BASSETT AVENUE.
4. CONSTRUCT NEW DROP CURBS AS NOTED, AND IN ACCORDANCE WITH APPROVED CURB CUT PLANS.

LIST OF DRAWINGS

1. BPP COVER SHEET
2. STILLWELL AVENUE PLAN & PROFILE
3. BASSETT AVENUE NORTH SIDE PLAN & PROFILE
4. BPP DETAILS
5. BPP DETAILS

LIST OF STANDARD NYC DOT DRAWINGS

H-1045	CONCRETE SIDEWALK
H-1042A	STANDARD TRENCH OR HOLE RESTORATION
H-1010	STEEL FACED CURB: STEEL FACING TYPE D
H-1015	STEEL FACED DROP CURB DRIVEWAYS

NOTE: THE LATEST REVISIONS OF THE APPLICABLE REFERENCED STANDARDS THAT HAVE BEEN AUTHORIZED UP TO THE START OF ADVERTISING SHALL BE CONSIDERED AS PART OF THESE DOCUMENTS.

LIST OF ESTIMATED QUANTITIES

NEW CURB	224	LIN. FT.
NEW SIDEWALK	2573	SQ. FT.
NEW ROADWAY	74.7	SQ. YDS.
NEW TREES	3	EACH
NEW CBs	0	EACH
NEW DIP	0	LIN. FT.
NEW MANHOLES	0	EACH

DPR NOTES

1. CONTRACTOR SHALL CONTACT NYC PARKS IF ANY UNDERGROUND INFRASTRUCTURE (GAS/WATER/ELECTRIC ETC.) AFFECTS ANY PROPOSED/EXISTING TREES ON SITE. PROJECT MANAGER IS AWARE THAT ANY WORK DONE ON OR NEAR A CITY TREE REQUIRES A PERMIT FROM NYC PARKS. THIS INCLUDES UTILITY, SIDEWALK, PRUNING OR ANY OTHER WORK WITHIN THE DRIPLINE OF A TREE (WITHIN THE RIGHT OF WAY) DONE BY THE GENERAL CONTRACTOR OR ANY SUBCONTRACTORS. THE CONTRACTOR WILL FOLLOW NYC PARKS PLANTING AND FORESTRY SPECIFICATIONS. UTILITIES MAY NOT BE LABELED. IF UNKNOWN, THE PROJECT MANAGE MUST AMEND PLANS WITH NYC PARKS IN THE FUTURE.
2. ALL PIT SIZES INDICATED ARE TO BE FULLY EXCAVATED TO THE DIMENSIONS LABELED AND REPLACED WITH NEW TOPSOIL TO NYC PARKS STANDARDS.

STREET TREE SUMMARY

TOTAL TREE COUNT TOTAL FRONTAGE:	224 FT
REQUIRED BY ZONING/NYC DOB:	9
EXISTING TREES TO REMAIN/PROTECT:	0
EXISTING TREES TO REMOVE WITH NYC PARKS DOCUMENTATION:	0
EXISTING TREES TO RELOCATE WITH NYC PARKS DOCUMENTATION:	0
PROPOSED TREES TO PLANT:	3
TREES TO PAY INTO TREE FUND:	6

Borough: BRONX	Sheet 1 of 5
DOB App. No.:	BPP NO:

NEW YORK CITY
DEPARTMENT OF TRANSPORTATION
BUILDERS PAVEMENT PLAN

PROJECT DATA

BLOCKS	4219	LOTS	16
ZONING	M1-1	ZONING MAP NO.	4A
ADDRESS	1538 STILLWELL AVENUE BRONX NY 10461		
OWNER	STILLWELL STORAGE LLC 22 Maple Ave Morristown, NJ		

PLANS PREPARED BY:
CHRISTOPHER VITOLANO, P.E.
NEW YORK STATE PROFESSIONAL ENGINEER LIC. NO. 081589

COMPANY	LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING AND LANDSCAPE ARCHITECTURE, D.P.C.
ADDRESS	21 PENN PLAZA, 360 W. 31ST STREET, 8TH FLOOR
CITY/STATE/ZIP	NEW YORK, NY 10001
PHONE NO.	(212) 479-5400

WAIVERS

DOT REQUIREMENT WAIVED — AS PER / DATE
1.

NOTES

GENERAL REQUIREMENTS

1. ALL DESIGNS, MATERIALS, CONSTRUCTION METHODS AND WORKMANSHIP SHALL COMPLY WITH THE FOLLOWING PUBLICATIONS OF THE BUREAU OF HIGHWAYS: STANDARD SPECIFICATIONS, STANDARD DETAILS OF CONSTRUCTION; RULES OF THE BUREAU OF HIGHWAY OPERATIONS; GUIDELINES FOR THE DESIGN OF INFRASTRUCTURE COMPONENTS.
2. ALL NON STANDARD MATERIALS AND CONSTRUCTION PROCEDURES SHALL BE SPECIFICALLY APPROVED IN WRITING BY THE DOT.
3. ANY WORK NOT COMPLYING WITH THE REQUIREMENTS OF THE DOT SHALL BE REMOVED AND REPLACED.
4. THIS PLAN SHALL BE VALID FOR THE ISSUANCE OF CONSTRUCTION PERMITS FOR A PERIOD OF ONE YEAR FROM THE DATE OF APPROVAL OR SELF-CERTIFICATION, AS APPLICABLE.
5. ALL SIDEWALK AND STREET AREAS CONSTRUCTED UNDER THIS PLAN SHALL REMAIN OPEN TO THE PUBLIC AT ALL TIMES.

ISSUANCE OF PERMITS

6. NO SIDEWALK, CURB OR ROADWAY WORK SHALL BE DONE WITHOUT A PERMIT FROM THE BOROUGH HIGHWAY SUPERINTENDENT. APPLICATION SHALL BE MADE THREE DAYS BEFORE STARTING CONSTRUCTION. THE CONTRACTOR SHALL HAVE ALL REQUIRED INSURANCE COVERAGE ON FILE.
7. NO WORK ON DRAINAGE STRUCTURES SHALL BE DONE WITHOUT A PERMIT FROM THE BOROUGH OFFICE OF THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.
8. ANY VAULT WORK AT THE SITE SHALL BE DONE AS PER THE APPLICABLE RULES OF THE DOT AND THE DEPT. OF BUILDINGS.

CONSTRUCTION ACTIVITY

9. A CONSTRUCTION PLAN SHOWING MAINTENANCE AND PROTECTION OF TRAFFIC, INCLUDING PLACEMENT OF SIDEWALK BRIDGES, BARRIERS AND SIGNAGE, SHALL BE SUBMITTED TO THE BOROUGH HIGHWAY OFFICE BEFORE CONSTRUCTION BEGINS.
10. NO SIDEWALK SHALL BE CLOSED WITHOUT A PERMIT. PEDESTRIAN AND TRAFFIC SAFETY SHALL BE PROTECTED AT ALL TIMES. ROADWAY CLOSINGS SHALL BE AS DIRECTED.
11. THE SITE SHALL BE MAINTAINED IN A CLEAN AND SAFE CONDITION.

FINAL SIGN-OFF

12. PERMITS SHALL BE PRESENTED FROM ALL PUBLIC AGENCIES AND UTILITIES HAVING OWNERSHIP OF STRUCTURES RELOCATED OR REMOVED DURING CONSTRUCTION.
13. ALL PAVEMENT MARKINGS INCLUDING THERMOPLASTIC LANE DIVIDERS, REMOVED DURING CONSTRUCTION SHALL BE REPLACED IN KIND TO THE BUREAU OF TRAFFIC STANDARDS.
14. ALL EXISTING CATCH BASINS ON SITE SHALL BE CLEANED AND MADE OPERABLE.
15. ALL DAMAGE CAUSED BY CONSTRUCTION ON THIS PROJECT OUTSIDE THE PROJECT LIMITS SHALL BE REPAIRED AS DIRECTED.
16. THE ROADWAY SHALL BE PAVED TO THE REQUIREMENTS OF THE DOT AND AS DIRECTED.

DOT APPROVAL

PROPOSED AND EXISTING WORK SHOWN HERE REVIEWED FOR COMPLIANCE WITH ALL APPLICABLE RULES AND REQUIREMENTS BY:

PLAN EXAMINER

APPROVAL FOR ISSUANCE OF WORK PERMITS GRANTED BY:

DEPARTMENT OF TRANSPORTATION — DATE / /

[B-SCAN STICKER]

Date	Description	No.
	Revisions	

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Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan Engineering and Environmental Services, Inc.
Langan International LLC
Collectively known as Langan

Project: STILLWELL AVENUE SELF-STORAGE BLDG A.
BRONX NEW YORK

Drawing Title: BPP COVER SHEET

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CHRISTOPHER VITOLANO, PE
PROFESSIONAL ENGINEER N.Y. LIC. No. 081589

DATE:	08/01/2012
PROJECT No.:	170192401
DRAWING BY:	GS
CHK BY:	MLN
DWG No.:	BPP-001.00
SHEET NO.:	1 of 5

Filename: \\langan.com\data\NY\data4\170192401\Cadd Data - 170192401\SheetFiles\NYCDOB BPP\170192401-C-911X-BPP.dwg Date: 7/23/2013 Time: 17:16 User: dmitchell Style Table: Langan.stb Layout: 1

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REVISION DATE:

Stillwell Avenue Self Storage - Bldg. A
NYC DOB NB#
Stillwell Self Storage LLC
1538 Stillwell Avenue
Bronx, NY

BUTZ•WILBERN LTD
Planning | Architecture
Interiors | Property Visioning
800 W. Broad St. Suite 363
Falls Church, Virginia 22046
703-356-6771 fax: 356-7010

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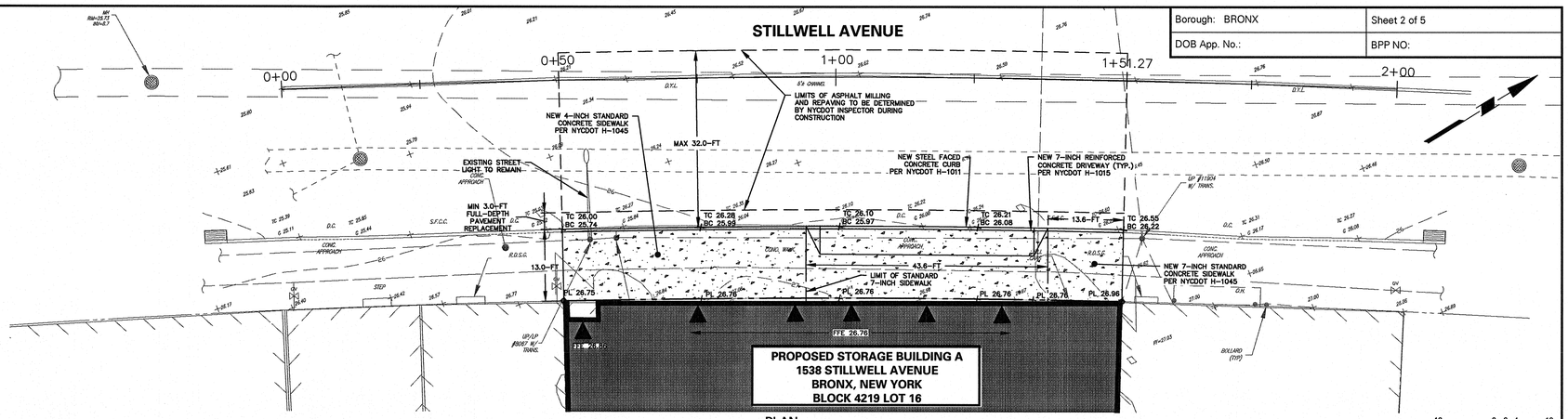
8 OF 12
12005

Borough: BRONX	Sheet 2 of 5
DOB App. No.:	BPP NO:



PLAN
SCALE: 1"=10'

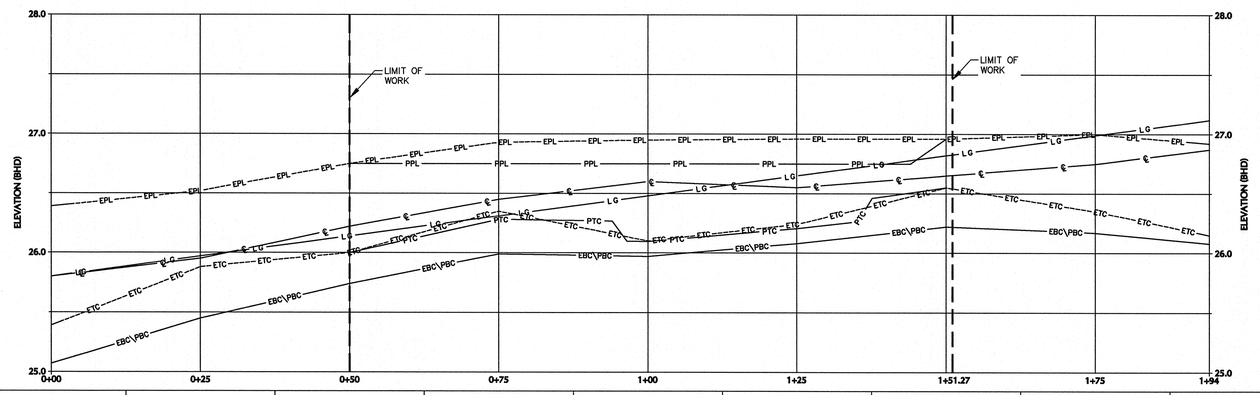
10 0 2 4 10
SCALE IN FEET

LEGEND: PLAN

- 123 — EXISTING CONTOUR
- X 123.45 — EXISTING SPOT ELEVATION
- X TC 123.45 — EXIST. TOP OF CURB ELEVATION
- X G 122.95 — EXIST. GUTTER ELEVATION
- X TW 123.45 — EXIST. TOP OF WALL ELEVATION
- X BW 122.95 — EXIST. BOTTOM OF WALL ELEVATION
- X FF=123.45 — EXIST. FINISHED FLOOR ELEVATION
- X LG[25.9] — LEGAL GRADE
- HYDRANT
- WV — WATER VALVE
- GV — GAS VALVE
- OH — OVERHEAD WIRES
- G — UNCONFIRMED LOC. UNDERGROUND GAS LINE
- E — UNCONFIRMED LOC. UNDERGROUND ELEC. LINE
- W — UNCONFIRMED LOC. UNDERGROUND WATER LINE
- UTILITY POLE
- UTILITY POLE/LIGHT POLE
- BOLLARD
- E.O.P. — EDGE OF PAVEMENT
- D.C. — DEPRESSED CURB
- R.D.S.G. — ROLL DOWN SECURITY GATE
- S.F.C.C. — STEEL FACED CONC. CURB
- C.L.F. — CHAIN LINK FENCE
- D.Y.L. — DOUBLE YELLOW LINE
- O.H. — OVERHANG
- 1.0' — DENOTES OFFSET OF STRUCTURE AT GROUND LEVEL RELATIVE TO PROPERTY LINE

LEGEND: PROFILE

- ℄ — EXISTING CENTERLINE
- ETC/PTC — EXISTING / PROPOSED TOP OF CURB
- EBC/PBC — EXISTING / PROPOSED BOTTOM OF CURB
- EPL — EXISTING PROPERTY LINE
- PPL — PROPOSED PROPERTY LINE
- LG — LEGAL GRADE



STATIONS	0+00	0+25	0+50	0+75	1+00	1+25	1+51.27	1+75	2+00
EX. CURB REVEAL (IN)	3.84	5.16	3.12	4.32	1.56	1.92	3.96	2.16	0.84
PR. CURB REVEAL (IN)	-	-	3.12	3.50	1.50	1.50	3.96	-	-
EX. SIDEWALK X-SLOPE*	7.69	4.92	5.77	4.46	6.54	5.54	3.15	5.00	5.62
PR. SIDEWALK X-SLOPE*	-	-	5.77	3.68	5.12	4.27	3.15	-	-
EX. ROAD X-SLOPE	2.74	1.87	1.80	1.72	2.36	1.76	1.61	2.17	2.96
PR. ROAD X-SLOPE	-	-	1.80	1.72	2.36	1.76	1.61	-	-
EX. CENTERLINE GRADE	25.80	25.95	26.22	26.45	26.60	26.55	26.65	26.75	26.87
LEGAL GRADE	25.8	26.0	26.1	26.3	26.5	26.6	26.8	27.0	27.1
EX. PROPERTY LINE	26.39	26.52	26.75	26.93	26.95	26.96	26.96	27.00	26.88
PR. PROPERTY LINE	-	-	26.75	26.76	26.76	26.76	26.96	-	-
EX. TOP OF CURB	25.39	25.88	26.00	26.35	26.10	26.24	26.55	26.35	26.15
PR. TOP OF CURB	-	-	26.00	26.28	26.10	26.21	26.55	-	-
EX. BOTTOM OF CURB	25.07	25.45	25.74	25.99	25.97	26.08	26.22	26.17	26.08
PR. BOTTOM OF CURB	-	-	25.74	25.99	25.97	26.08	26.22	-	-

*AVERAGE CROSS-SLOPE VALUES PRESENTED.

PROFILE
SCALE: 1" = 0.5' (V) 1"=10' (H)

[B-SCAN STICKER]

Date	Description	No.
Revisions		

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Project: STILLWELL AVENUE SELF-STORAGE BLDG A.
BRONX NEW YORK

Drawing Title: STILWELL AVENUE PLAN & PROFILE

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CHRISTOPHER VITOLANO, PE
PROFESSIONAL ENGINEER N.Y. LIC. No. 081589

DATE:	08/01/2012
PROJECT No.:	170192401
DRAWING BY:	GS
CHK BY:	MLN
DWG No.:	BPP-002.00
SHEET NO.:	2 of 5

Filename: \\langan.com\data\NY\data4\170192401\Cadd Data - 170192401\Sheetfiles\NYCDOB BPP\170192401-C-91X-BPP.dwg Date: 7/23/2013 Time: 17:17 User: dmitchell Style Table: Langan.stb Layout: 2

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ISSUE DATE:

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Stillwell Avenue Self Storage - Bldg. A

NYC DOB NB#

Stillwell Self Storage LLC
1538 Stillwell Avenue
Bronx, NY

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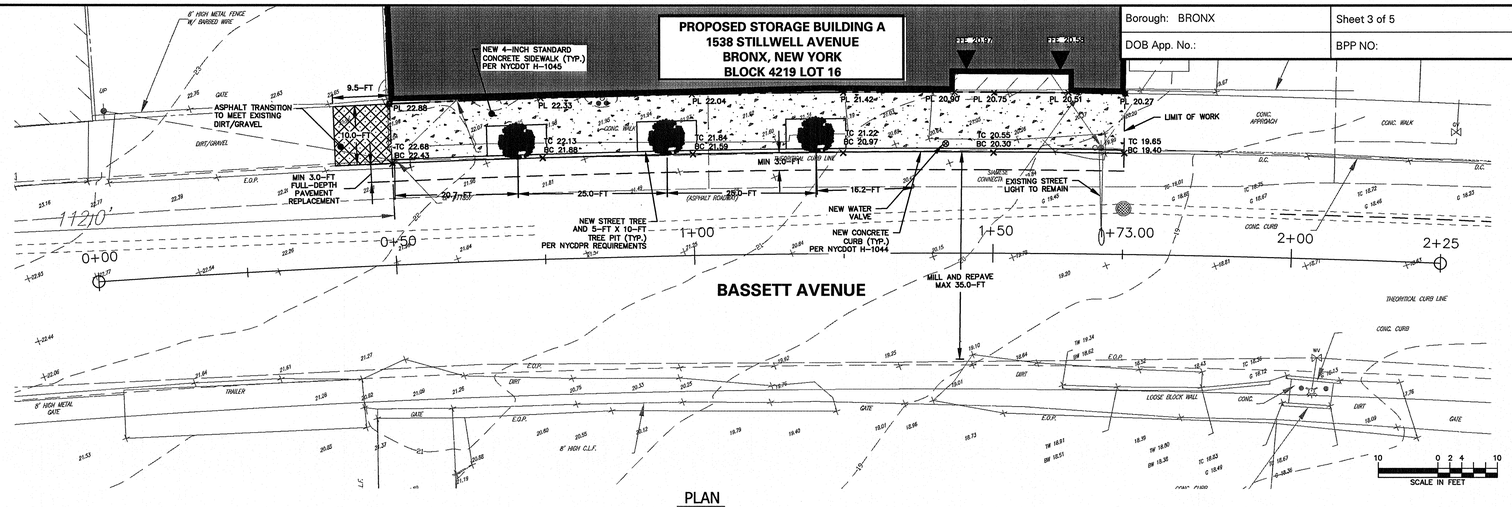
PROPOSED STORAGE BUILDING A
1538 STILLWELL AVENUE
BRONX, NEW YORK
BLOCK 4219 LOT 16

Borough: BRONX	Sheet 3 of 5
DOB App. No.:	BPP NO:



PLAN
SCALE: 1"=10'

LEGEND: PLAN

123	EXISTING CONTOUR
X 123.45	EXISTING SPOT ELEVATION
X TC 123.45	EXIST. TOP OF CURB ELEVATION
X G 122.95	EXIST. GUTTER ELEVATION
X TW 123.45	EXIST. TOP OF WALL ELEVATION
X BW 122.95	EXIST. BOTTOM OF WALL ELEVATION
X FF=123.45	EXIST. FINISHED FLOOR ELEVATION
X LG[25.9]	LEGAL GRADE
	HYDRANT
WV	WATER VALVE
GV	GAS VALVE
OH	OVERHEAD WIRES
G	UNCONFIRMED LOC. UNDERGROUND GAS LINE
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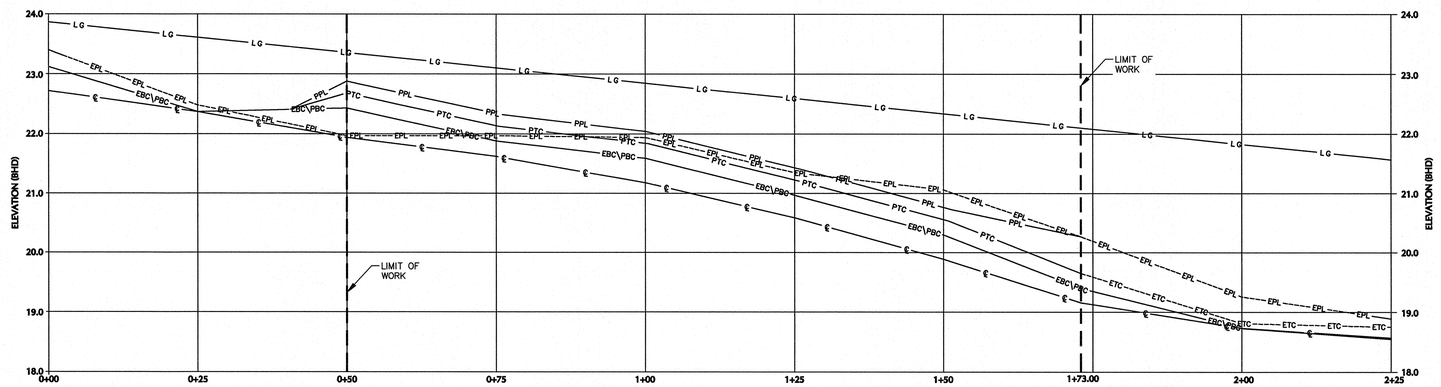
	UTILITY POLE
	UTILITY POLE/LIGHT POLE
	BOLLARD
E.O.P.	EDGE OF PAVEMENT
D.C.	DEPRESSED CURB
R.D.S.G.	ROLL DOWN SECURITY GATE
S.F.C.C.	STEEL FACED CONC. CURB
C.L.F.	CHAIN LINK FENCE
D.Y.L.	DOUBLE YELLOW LINE
O.H.	OVERHANG
1.0'	DENOTES OFFSET OF STRUCTURE AT GROUND LEVEL RELATIVE TO PROPERTY LINE

LEGEND: PROFILE

℄	EXISTING CENTERLINE
ETC/PTC	EXISTING / PROPOSED TOP OF CURB
EBC/PBC	EXISTING / PROPOSED BOTTOM OF CURB
EPL	EXISTING PROPERTY LINE
PPL	PROPOSED PROPERTY LINE
LG	LEGAL GRADE



STATIONS	0+00	0+25	0+50	0+75	1+00	1+25	1+50	1+73.00	2+00	2+25
EX. CURB REVEAL (IN)	-	-	-	-	-	-	-	3.00	0.96	2.40
PR. CURB REVEAL (IN)	-	-	3.00	3.00	3.00	3.00	3.00	3.00	-	-
EX. SIDEWALK X-SLOPE*	2.80	1.00	-4.60	0.90	3.50	3.80	7.60	6.20	4.50	1.40
PR. SIDEWALK X-SLOPE*	-	-	2.00	2.00	2.00	2.00	2.00	6.20	-	-
EX. ROAD X-SLOPE	-1.54	-0.04	-1.88	-1.00	-1.58	-1.46	-1.58	-0.92	0.00	0.08
PR. ROAD X-SLOPE	-	-	-1.88	-1.00	-1.58	-1.46	-1.58	-0.92	-	-
EX. CENTERLINE GRADE	22.72	22.37	21.94	21.62	21.18	20.59	19.89	19.16	18.73	18.57
LEGAL GRADE	23.9	23.6	23.4	23.1	22.8	22.6	22.3	22.1	21.8	21.6
EX. PROPERTY LINE	23.40	22.48	21.97	21.97	21.94	21.35	21.06	20.27	19.26	18.89
PR. PROPERTY LINE	-	-	22.88	22.33	22.04	21.42	20.75	20.27	-	-
EX. TOP OF CURB	-	-	-	-	-	-	-	19.65	18.81	18.75
PR. TOP OF CURB	-	-	22.68	22.13	21.84	21.22	20.55	19.65	-	-
EX. BOTTOM OF CURB	23.12	22.38	22.43	21.88	21.59	20.97	20.30	19.40	18.73	18.55
PR. BOTTOM OF CURB	-	-	22.43	21.88	21.59	20.97	20.30	19.40	-	-

*AVERAGE CROSS-SLOPE VALUES PRESENTED.

PROFILE
SCALE: 1" = 1' (V) 1"=10' (H)

[B-SCAN STICKER]

Date	Description	No.
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Project
STILLWELL AVENUE SELF-STORAGE BLDG A.
BRONX NEW YORK

Drawing Title
BASSETT AVENUE NORTH SIDE PLAN & PROFILE

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PROFESSIONAL ENGINEER N.Y. LIC. No. 081589

DATE:	08/01/2012
PROJECT No.:	170192401
DRAWING BY:	GS
CHK BY:	MLN
DWG No.:	BPP-003.00
SHEET NO.:	3 of 5

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1	5/23/2013	PERMIT SET

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Stillwell Avenue Self Storage - Bldg. A

Stillwell Self Storage LLC
1538 Stillwell Avenue
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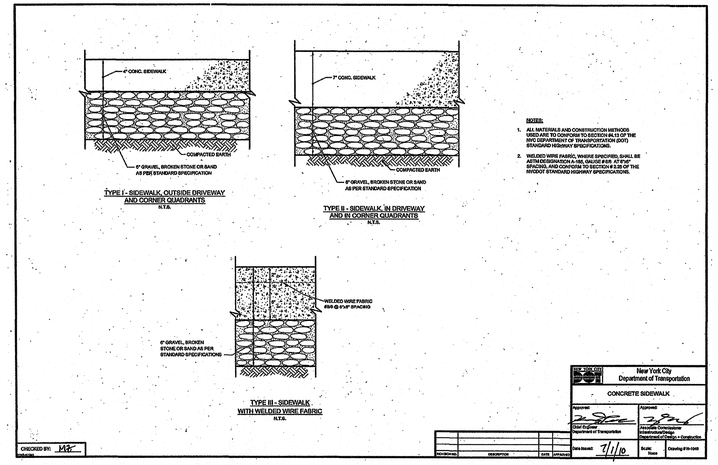
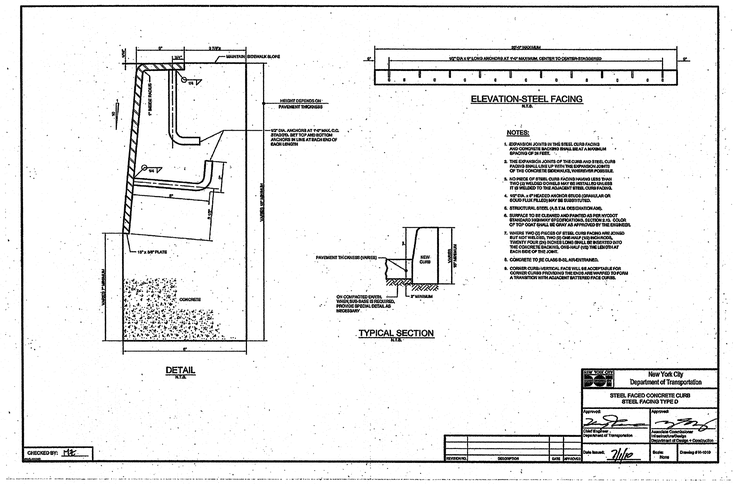
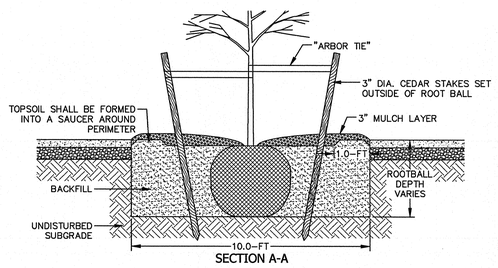


1 CONCRETE SIDEWALK
N.T.S.



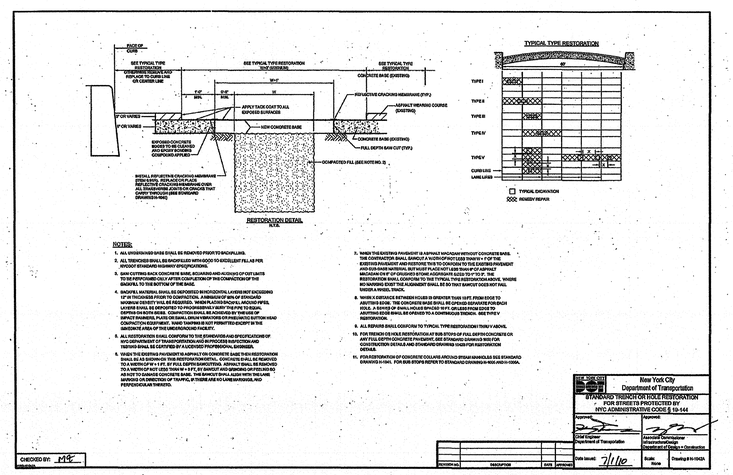
2 STEEL FACED CURB
N.T.S.



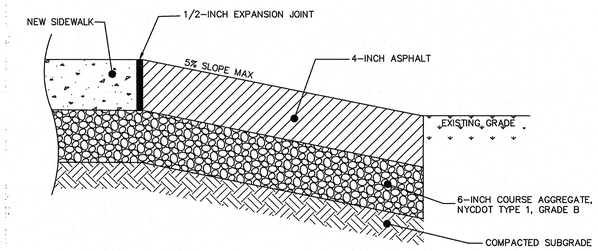
NOTE:

1. DETAIL SHOWN FOR REFERENCE ONLY. THIS DETAIL IS SUPERSEDED BY THE APPROVED NYCDPR TREE PLANTING PLAN.

3 TREE PIT DETAIL
N.T.S.



4 TRENCH RESTORATION WITHIN THE RIGHT-OF-WAY
N.T.S.



5 SIDEWALK TO ADJACENT GRADE ASPHALT TRANSITION
N.T.S.

[B-SCAN STICKER]

Date	Description	No.
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Project: STILLWELL AVENUE SELF-STORAGE BLDG A.
BRONX NEW YORK

Drawing Title: BPP DETAILS

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PROFESSIONAL ENGINEER N.Y. LIC. No. 081589

DATE:	08/01/2012
PROJECT No.:	170192401
DRAWING BY:	GS
CHK BY:	MLN
DWG No.:	BPP-004.00
SHEET NO.:	4 of 5

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1538 Stillwell Avenue
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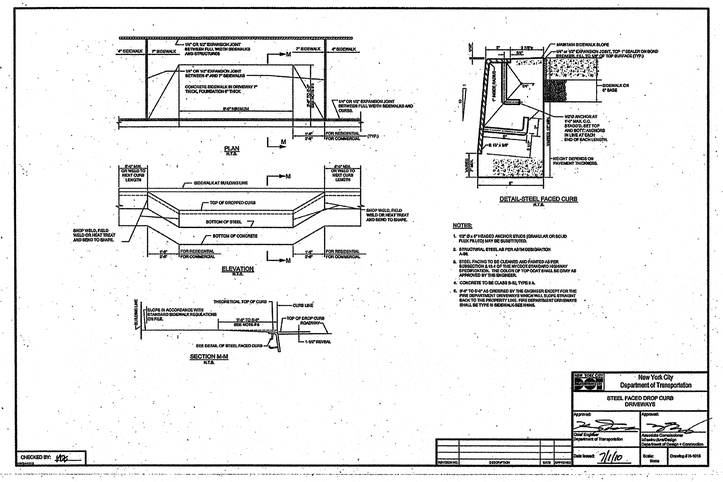
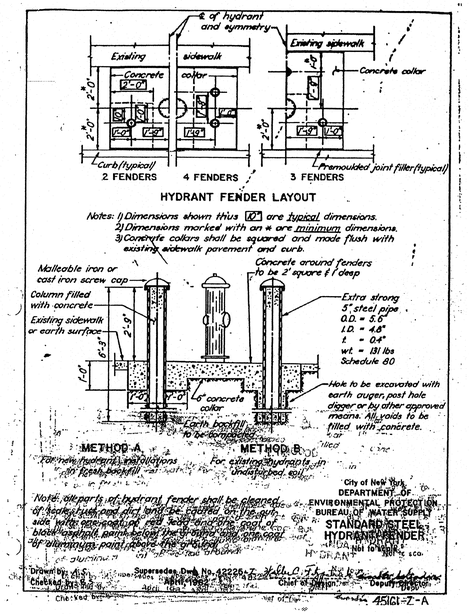


1 STEEL FACED DROP CURB DRIVEWAYS

N.T.S.



3 HYDRANT FENDER LAYOUT

N.T.S.

[B-SCAN STICKER]

Date	Description	No.
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Project: STILLWELL AVENUE SELF-STORAGE BLDG A.

BRONX NEW YORK

Drawing Title: BPP DETAILS

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DATE:	08/01/2012
PROJECT No.:	170192401
DRAWING BY:	GS
CHK BY:	MLN
DWG No.:	BPP-005.00
SHEET NO.:	5 of 5

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NYC DOB NB#

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12 OF 12

12005

BUILDERS PAVEMENT PLAN FOR:
STILLWELL AVENUE SELF STORAGE
1540 BASSETT AVENUE BRONX, NY 10461

Borough: BRONX	Sheet 1 of 6
DOB NB No.: 220333182	DOB BPP No.:

NEW YORK CITY
DEPARTMENT OF TRANSPORTATION

BUILDERS PAVEMENT PLAN

PROJECT DATA

BLOCKS	4226	LOTS	290
ZONING	M1-1	ZONING MAP NO. 4A	
ADDRESS	1540 BASSETT AVENUE BRONX NY 10461		
OWNER	MARC S. ROSEN STILLWELL STORAGE LLC 22 MAPLE AVE MORRISTOWN, NJ 07960		

PLANS PREPARED BY:
CHRISTOPHER VITOLANO, P.E.
NEW YORK STATE PROFESSIONAL ENGINEER LIC. NO. 081589

COMPANY	LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING AND LANDSCAPE ARCHITECTURE, D.P.C.
ADDRESS	21 PENN PLAZA, 360 W. 31ST STREET, 8TH FLOOR
CITY/STATE/ZIP	NEW YORK, NY 10001
PHONE NO.	(212) 479-5400

WAIVERS

DOT REQUIREMENT WAIVED	AS PER / DATE
1.	

AREA MAP

NOT TO SCALE

INSPECTION/FINAL SIGN-OFF

1. THE CONTRACTOR IS RESPONSIBLE TO PROCURE OR PROVIDE ALL ITEMS NECESSARY FOR FINAL NYCDOB/NYCDOT SIGN-OFF, INCLUDING BUT NOT LIMITED TO;

   -NYCDOT INSPECTION AND SIGN-OFF
   -FINAL AS-BUILT SURVEY SIGNED AND SEALED BY A NYS PLS
   -FULL-TIME CONTROLLED INSPECTION AND CONCRETE CORE TESTS SIGNED AND SEALED BY A NYS P.E. OR R.A., ACCOMPANIED BY BPP-11 (ENGINEER'S INSPECTION AFFIDAVIT)

GENERAL NOTES

1. BACKGROUND SHOWN PROVIDED BY CONTROL POINT ASSOCIATES, PER PLAN TITLED "BOUNDARY AND TOPOGRAPHIC SURVEY," DATED 3/8/2012.
2. ELEVATIONS SHOWN ARE REFERENCED TO BOROUGH OF BRONX HIGHWAY DATUM, 2.608 FEET ABOVE NGVD 1929 DATUM.
3. THE CONTRACTOR IS RESPONSIBLE FOR CREATING ALL REQUIRED SITE LOGISTICS PLANS, AND FOR COORDINATING SAID PLANS AND ALL REQUIRED PERMITS WITH THE NEW YORK CITY OFFICE OF CONSTRUCTION MITIGATION AND COORDINATION (OCMC).
4. SIDEWALK REPLACEMENT TO CONSIST OF REMOVING EXISTING CONCRETE SIDEWALK AND CONSTRUCTING NEW 4-INCH AND 7-INCH THICK NYC DOT STANDARD CONCRETE SIDEWALK, AS NOTED (H-1045 TYPE 1 AND TYPE III).
5. TRANSVERSE EXPANSION JOINTS 1/2 INCH WIDE SHALL BE PROVIDED AT INTERVALS OF MAXIMUM 20 FEET AND FILLED WITH PREFORMED BITUMINOUS CELLULAR TYPE JOINT FILLER. SCORE LINES SHALL BE EVERY 5 FEET ON CENTER.
6. EXPANSION JOINT WITH JOINT FILLER TO BE PROVIDED AT INTERFACE OF NEW SIDEWALK AND ALL PROPOSED AND EXISTING SIDEWALK FEATURES (BUILDINGS, VAULT GRATES, MANHOLES, NYCT STRUCTURES, ETC.) EXCEPT TRAFFIC SIGNS.
7. CONTRACTOR TO OBTAIN NECESSARY DOT WORK PERMITS AND PERFORM ALL WORK IN ACCORDANCE WITH DOT REQUIREMENTS AND STANDARDS.
8. ADJUST ALL SURFACE FEATURES TO MATCH EXISTING GRADE AS NECESSARY (EX. HYDRANTS, VALVE COVERS, VAULT LIDS, ETC.). CONTRACTOR TO COORDINATE THIS WORK WITH THE APPROPRIATE UTILITY OWNER(S), AS REQUIRED.
9. ALL STREET SIGNS SHALL BE TEMPORARILY REMOVED AND REPLACED IN KIND.
10. IN ORDER TO COMPLY WITH ADA REQUIREMENTS, THE CONTRACTOR IS REQUIRED TO BREAK THE TRANSVERSE GRADE OF SIDEWALKS SUCH THAT THERE SHALL BE A MINIMUM OF FIVE (5') FEET WIDTH OF SIDEWALK WITH A TRANSVERSE SLOPE NOT EXCEEDING 2% AND THE REMAINING SIDEWALK SLOPE NOT EXCEEDING 5%, WHERE POSSIBLE.
11. EXISTING ROAD STRIPING SHALL BE REPLACED IN KIND FOLLOWING RIGHT-OF-WAY WORK.
12. THE CONTRACTOR IS TO STRIP AND RESURFACE ROADWAY AS NOTED ON THE PLAN OR TO THE EXTENTS NECESSARY AS DIRECTED BY NYCDOT OR NYCDOB. REPAIR OR REPLACE 6-INCH TO 9-INCH CONCRETE BASE (MATCH EXISTING, 6-INCH MIN.) AS REQUIRED BY INSPECTOR. RESURFACE WITH 3-INCH DEPTH ACWC, OR AS INDICATED. NYCDOT RESERVES THE RIGHT, UPON BPP INSPECTION, TO REQUIRE THE OWNER TO MILL AND RESURFACE ENTIRE STREET WIDTH.

SUMMARY OF WORK

1. MAINTAIN AND PROTECT ALL EXISTING UTILITIES.
2. REMOVE EXISTING SIDEWALK AND CONCRETE CURB FRONTING THE SITE ON BASSETT AVENUE.
3. INSTALL NEW CONCRETE SIDEWALK AND STEEL FACED CONCRETE CURB ALONG BASSETT AVENUE.
4. CONSTRUCT NEW DROP CURBS AS NOTED, AND IN ACCORDANCE WITH APPROVED CURB CUT PLANS.

LIST OF DRAWINGS

1. BPP COVER SHEET
2. BASSETT AVENUE SOUTH SIDE PLAN & PROFILE; STA. 0+00 TO 2+00
3. BASSETT AVENUE SOUTH SIDE PLAN & PROFILE; STA. 2+00 TO 4+00
4. BASSETT AVENUE SOUTH SIDE PLAN & PROFILE; STA. 4+00 TO 6+25
5. BPP DETAILS
6. BPP DETAILS

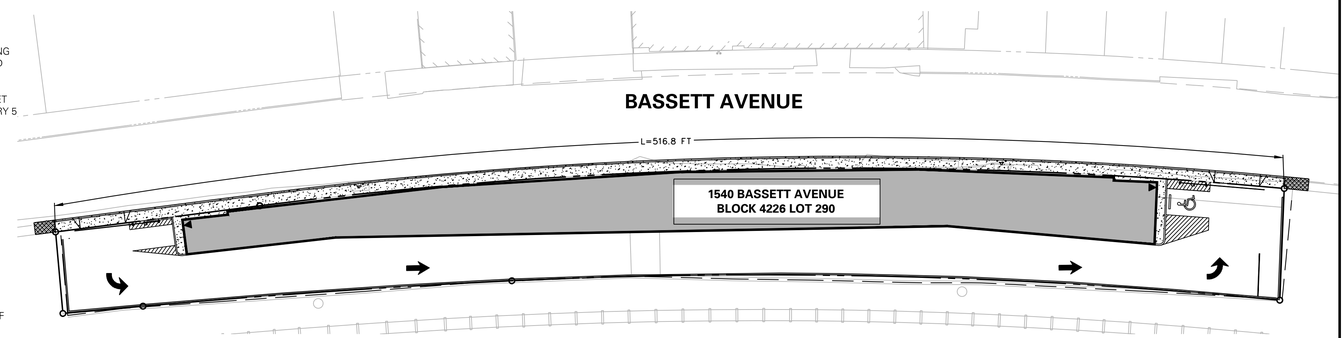
LIST OF STANDARD NYC DOT DRAWINGS

H-1045	CONCRETE SIDEWALK
H-1042A	STANDARD TRENCH OR HOLE RESTORATION
H-1010	STEEL FACED CURB: STEEL FACING TYPE D
H-1015	STEEL FACED DROP CURB DRIVEWAYS

NOTE: THE LATEST REVISIONS OF THE APPLICABLE REFERENCED STANDARDS THAT HAVE BEEN AUTHORIZED UP TO THE START OF ADVERTISING SHALL BE CONSIDERED AS PART OF THESE DOCUMENTS.

LIST OF ESTIMATED QUANTITIES

NEW CURB	516.8	LIN. FT.
NEW SIDEWALK	2584	SQ. FT.
NEW ROADWAY	172.3	SQ. YDS.
NEW TREES	0	EACH
NEW CBs	0	EACH
NEW DIP	0	LIN. FT.
NEW MANHOLES	0	EACH



OVERALL PLAN
Scale: 1"=30'

30 0 15 30
SCALE IN FEET

NYC DPR NOTES

1. CONTRACTOR SHALL CONTACT NYC PARKS IF ANY UNDERGROUND INFRASTRUCTURE (GAS/WATER/ELECTRIC ETC.) AFFECTS ANY PROPOSED/EXISTING TREES ON SITE. PROJECT MANAGER IS AWARE THAT ANY WORK DONE ON OR NEAR A CITY TREE REQUIRES A PERMIT FROM NYC PARKS. THIS INCLUDES UTILITY, SIDEWALK, PRUNING OR ANY OTHER WORK WITHIN THE DRIPLINE OF A TREE (WITHIN THE RIGHT OF WAY) DONE BY THE GENERAL CONTRACTOR OR ANY SUBCONTRACTORS. THE CONTRACTOR WILL FOLLOW NYC PARKS PLANTING AND FORESTRY SPECIFICATIONS. UTILITIES MAY NOT BE LABELED. IF UNKNOWN, THE PROJECT MANAGER MUST AMEND PLANS WITH NYC PARKS IN THE FUTURE.
2. PROTECT ALL EXISTING STREET TREES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION IN ACCORDANCE WITH "TEMPORARY WOODEN TREE GUARD" DETAIL BY NYCDPR.
3. ALL PIT SIZES INDICATED ARE TO BE FULLY EXCAVATED TO THE DIMENSIONS LABELED AND REPLACED WITH NEW TOPSOIL TO NYC PARKS STANDARDS.
4. STREET TREE SITE PLAN REF # XXXXX

STREET TREE SUMMARY

TOTAL TREE COUNT TOTAL FRONTAGE:	516.8 FT
REQUIRED BY ZONING/NYC DOB:	21
EXISTING TREES TO REMAIN/PROTECT:	0
EXISTING TREES TO REMOVE WITH NYC PARKS DOCUMENTATION:	0
EXISTING TREES TO RELOCATE WITH NYC PARKS DOCUMENTATION:	0
PROPOSED TREES TO PLANT:	0
TREES TO PAY INTO TREE FUND:	21

NOTES

GENERAL REQUIREMENTS

1. ALL DESIGNS, MATERIALS, CONSTRUCTION METHODS AND WORKMANSHIP SHALL COMPLY WITH THE FOLLOWING PUBLICATIONS OF THE BUREAU OF HIGHWAYS: STANDARD SPECIFICATIONS, STANDARD DETAILS OF CONSTRUCTION; RULES OF THE BUREAU OF HIGHWAY OPERATIONS; GUIDELINES FOR THE DESIGN OF INFRASTRUCTURE COMPONENTS.
2. ALL NON STANDARD MATERIALS AND CONSTRUCTION PROCEDURES SHALL BE SPECIFICALLY APPROVED IN WRITING BY THE DOT.
3. ANY WORK NOT COMPLYING WITH THE REQUIREMENTS OF THE DOT SHALL BE REMOVED AND REPLACED.
4. THIS PLAN SHALL BE VALID FOR THE ISSUANCE OF CONSTRUCTION PERMITS FOR A PERIOD OF ONE YEAR FROM THE DATE OF APPROVAL OR SELF-CERTIFICATION, AS APPLICABLE.
5. ALL SIDEWALK AND STREET AREAS CONSTRUCTED UNDER THIS PLAN SHALL REMAIN OPEN TO THE PUBLIC AT ALL TIMES.

ISSUANCE OF PERMITS

6. NO SIDEWALK, CURB OR ROADWAY WORK SHALL BE DONE WITHOUT A PERMIT FROM THE BOROUGH HIGHWAY SUPERINTENDENT. APPLICATION SHALL BE MADE THREE DAYS BEFORE STARTING CONSTRUCTION. THE CONTRACTOR SHALL HAVE ALL REQUIRED INSURANCE COVERAGE ON FILE.
7. NO WORK ON DRAINAGE STRUCTURES SHALL BE DONE WITHOUT A PERMIT FROM THE BOROUGH OFFICE OF THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.
8. ANY VAULT WORK AT THE SITE SHALL BE DONE AS PER THE APPLICABLE RULES OF THE DOT AND THE DEPT. OF BUILDINGS.

CONSTRUCTION ACTIVITY

9. A CONSTRUCTION PLAN SHOWING MAINTENANCE AND PROTECTION OF TRAFFIC, INCLUDING PLACEMENT OF SIDEWALK BRIDGES, BARRIERS AND SIGNAGE, SHALL BE SUBMITTED TO THE BOROUGH HIGHWAY OFFICE BEFORE CONSTRUCTION BEGINS.
10. NO SIDEWALK SHALL BE CLOSED WITHOUT A PERMIT. PEDESTRIAN AND TRAFFIC SAFETY SHALL BE PROTECTED AT ALL TIMES. ROADWAY CLOSINGS SHALL BE AS DIRECTED.
11. THE SITE SHALL BE MAINTAINED IN A CLEAN AND SAFE CONDITION.

FINAL SIGN-OFF

12. PERMITS SHALL BE PRESENTED FROM ALL PUBLIC AGENCIES AND UTILITIES HAVING OWNERSHIP OF STRUCTURES RELOCATED OR REMOVED DURING CONSTRUCTION.
13. ALL PAVEMENT MARKINGS INCLUDING THERMOPLASTIC LANE DIVIDERS, REMOVED DURING CONSTRUCTION SHALL BE REPLACED IN KIND TO THE BUREAU OF TRAFFIC STANDARDS.
14. ALL EXISTING CATCH BASINS ON SITE SHALL BE CLEANED AND MADE OPERABLE.
15. ALL DAMAGE CAUSED BY CONSTRUCTION ON THIS PROJECT OUTSIDE THE PROJECT LIMITS SHALL BE REPAIRED AS DIRECTED.
16. THE ROADWAY SHALL BE PAVED TO THE REQUIREMENTS OF THE DOT AND AS DIRECTED.

DOT APPROVAL

PROPOSED AND EXISTING WORK SHOWN HERE REVIEWED FOR COMPLIANCE WITH ALL APPLICABLE RULES AND REQUIREMENTS BY:

PLAN EXAMINER

APPROVAL FOR ISSUANCE OF WORK PERMITS GRANTED BY:

DEPARTMENT OF TRANSPORTATION

DATE / /

[B-SCAN STICKER]

Date	Description	No.

Revisions

Warning: It is a violation of the NYS Education Law Article 145 for any person, unless he is acting under the direction of a licensed Professional Engineer, to alter this item in any way.

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Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan Engineering and Environmental Services, Inc.
Langan International LLC
Collectively known as Langan

Project: STILLWELL AVENUE SELF-STORAGE BLDG B.
BRONX NEW YORK

Drawing Title: BPP COVER SHEET

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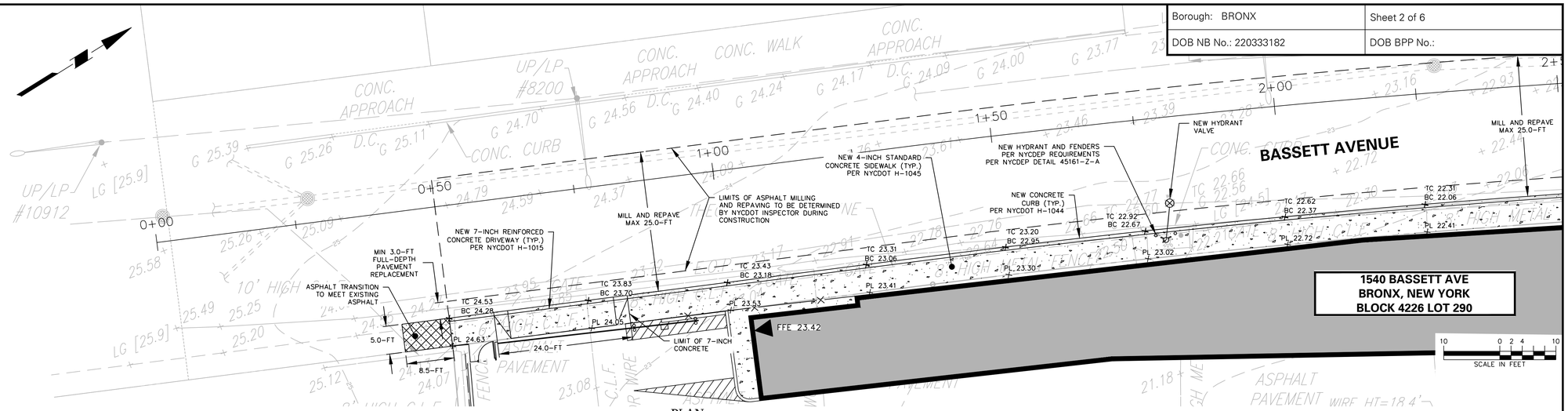
CHRISTOPHER VITOLANO, PE
PROFESSIONAL ENGINEER N.Y. LIC. No. 081589

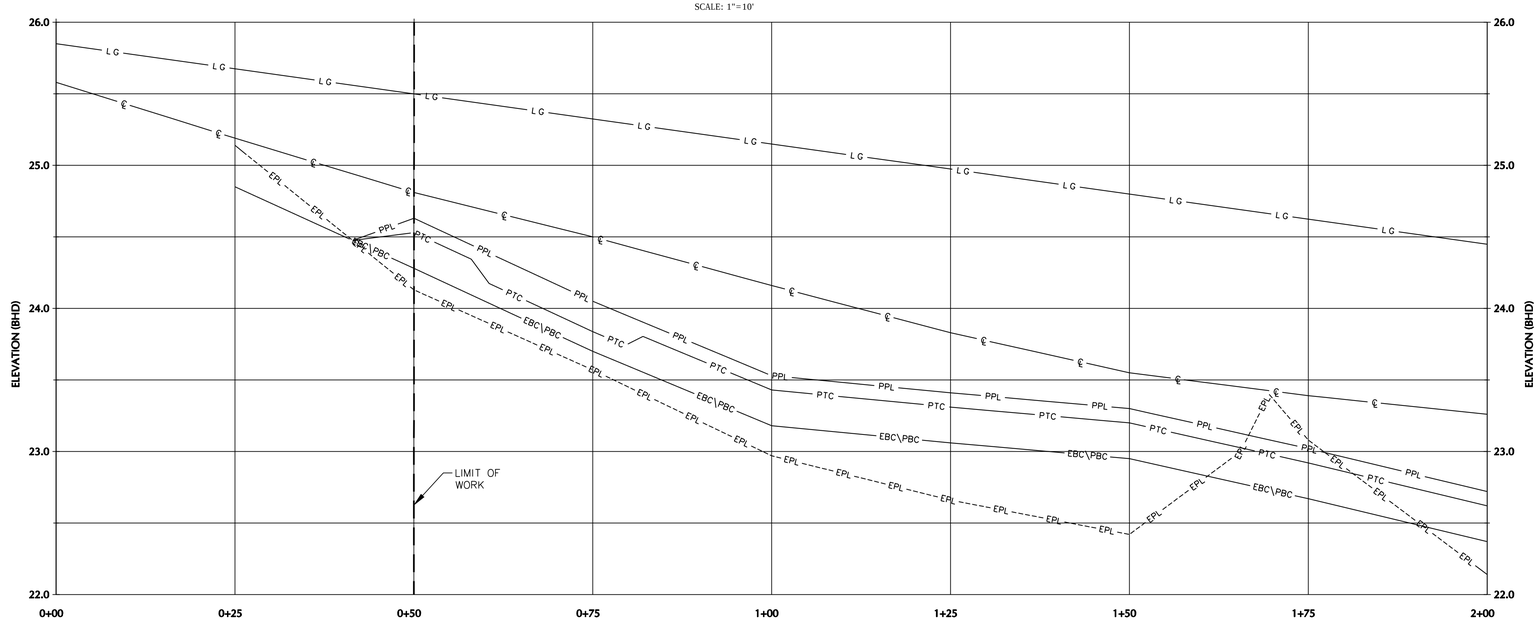
DATE:	01/23/2014
PROJECT No.:	170192401
DRAWING BY:	DL
CHK BY:	MLN
DWG No.:	BPP-001.00
SHEET NO.:	1 of 6

Borough: BRONX	Sheet 2 of 6
DOB NB No.: 220333182	DOB BPP No.:



PLAN

SCALE: 1"=10'



STATIONS	0+00	0+25	0+50	0+75	1+00	1+25	1+50	1+75	2+00
EX. CURB REVEAL (IN)	-	-	-	-	-	-	-	1.08	-
PR. CURB REVEAL (IN)	-	-	3.00	1.56	3.00	3.00	3.00	3.00	3.00
EX. SIDEWALK X-SLOPE*	-	-	-	-	-	-	-	3.20	-
PR. SIDEWALK X-SLOPE*	-	-	2.00	4.40	2.00	2.00	2.00	2.00	2.00
EX. ROAD X-SLOPE	-	-	2.43	3.71	4.49	3.53	2.75	3.30	4.08
PR. ROAD X-SLOPE	-	-	2.43	3.71	4.49	3.53	2.75	3.30	4.08
EX. CENTERLINE GRADE	25.58	25.19	24.81	24.51	24.16	23.83	23.55	23.39	23.26
LEGAL GRADE	25.9	25.7	25.5	25.3	25.1	25.0	24.8	24.6	24.4
EX. PROPERTY LINE	-	25.14	24.13	23.57	22.97	22.66	22.42	23.08	22.14
PR. PROPERTY LINE	-	-	24.63	24.05	23.53	23.41	23.30	23.02	22.72
EX. TOP OF CURB	-	-	-	-	-	-	-	22.76	-
PR. TOP OF CURB	-	-	24.53	23.83	23.43	23.31	23.20	22.92	22.62
EX. BOTTOM OF CURB	-	24.85	24.28	23.70	23.18	23.06	22.95	22.67	22.37
PR. BOTTOM OF CURB	-	-	24.28	23.70	23.18	23.06	22.95	22.67	22.37

*AVERAGE CROSS-SLOPE VALUES PRESENTED.

PROFILE

SCALE: 1" = 0.5' (V) 1"=10' (H)

LEGEND: PROFILE

- 123 — EXISTING CONTOUR
- X 123.45 — EXISTING SPOT ELEVATION
- X TC 123.45 — EXIST. TOP OF CURB ELEVATION
- X G 122.95 — EXIST. GUTTER ELEVATION
- X TW 123.45 — EXIST. TOP OF WALL ELEVATION
- X BW 122.95 — EXIST. BOTTOM OF WALL ELEVATION
- X FF=123.45 — EXIST. FINISHED FLOOR ELEVATION
- X LG[25.9] — LEGAL GRADE
- HYDRANT
- WV — WATER VALVE
- GV — GAS VALVE
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- G — UNCONFIRMED LOC. UNDERGROUND GAS LINE
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- UTILITY POLE/LIGHT POLE
- BOLLARD
- E.O.P. — EDGE OF PAVEMENT
- D.C. — DEPRESSED CURB
- R.D.S.G. — ROLL DOWN SECURITY GATE
- S.F.C.C. — STEEL FACED CONC. CURB
- C.L.F. — CHAIN LINK FENCE
- D.Y.L. — DOUBLE YELLOW LINE
- O.H. — OVERHANG
- 1.0' — DENOTES OFFSET OF STRUCTURE AT GROUND LEVEL RELATIVE TO PROPERTY LINE

LEGEND: PROFILE

- ℄ — EXISTING CENTERLINE
- ETC/PTC — EXISTING / PROPOSED TOP OF CURB
- EBC/PBC — EXISTING / PROPOSED BOTTOM OF CURB
- EPL — EXISTING PROPERTY LINE
- PPL — PROPOSED PROPERTY LINE
- LG — LEGAL GRADE

[B-SCAN STICKER]

Date	Description	No.
Revisions		

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Project: STILLWELL AVENUE SELF-STORAGE BLDG B.

BRONX NEW YORK

Drawing Title: BASSETT AVENUE SOUTH SIDE PLAN & PROFILE; STA 0+00 TO 2+00

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CHRISTOPHER VITOLANO, PE
PROFESSIONAL ENGINEER N.Y. LIC. No. 081589

DATE:	01/23/2014
PROJECT No.:	170192401
DRAWING BY:	DL
CHK BY:	MLN
DWG No.:	BPP-002.00
SHEET NO.:	2 of 6

Filename: \\langan.com\data\NY\data4\170192401\Cadd Data – 170192401\SheetFiles\NYCDOB BPP and CC\170192401-C-92X-BPP.dwg Date: 2/25/2014 Time: 09:29 User: dizza Style Table: Langan.stb Layout: 2

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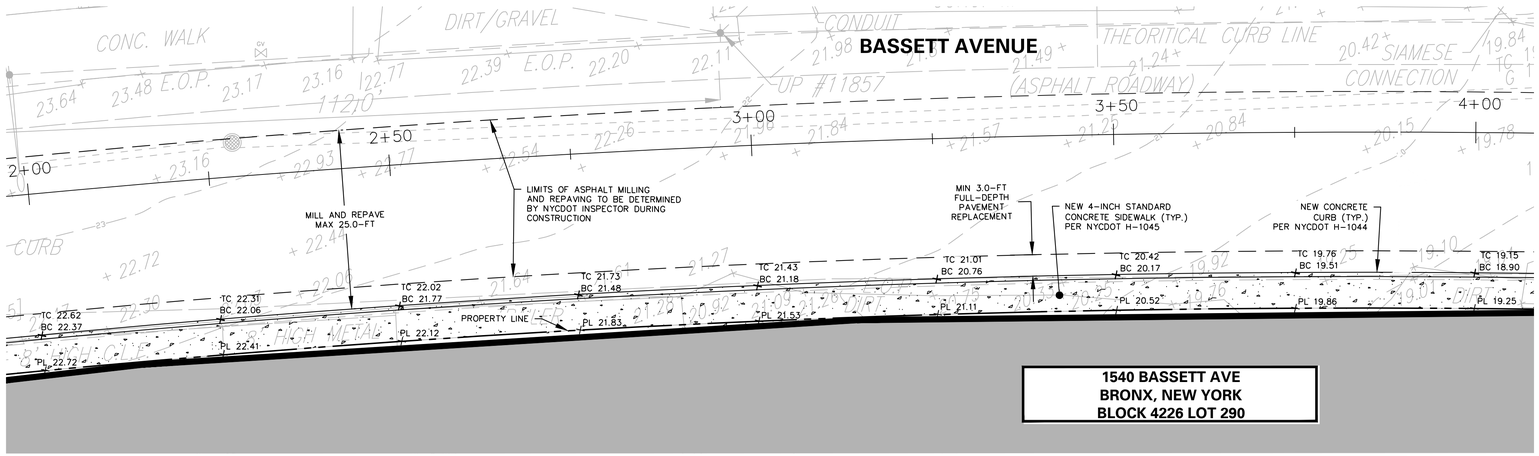
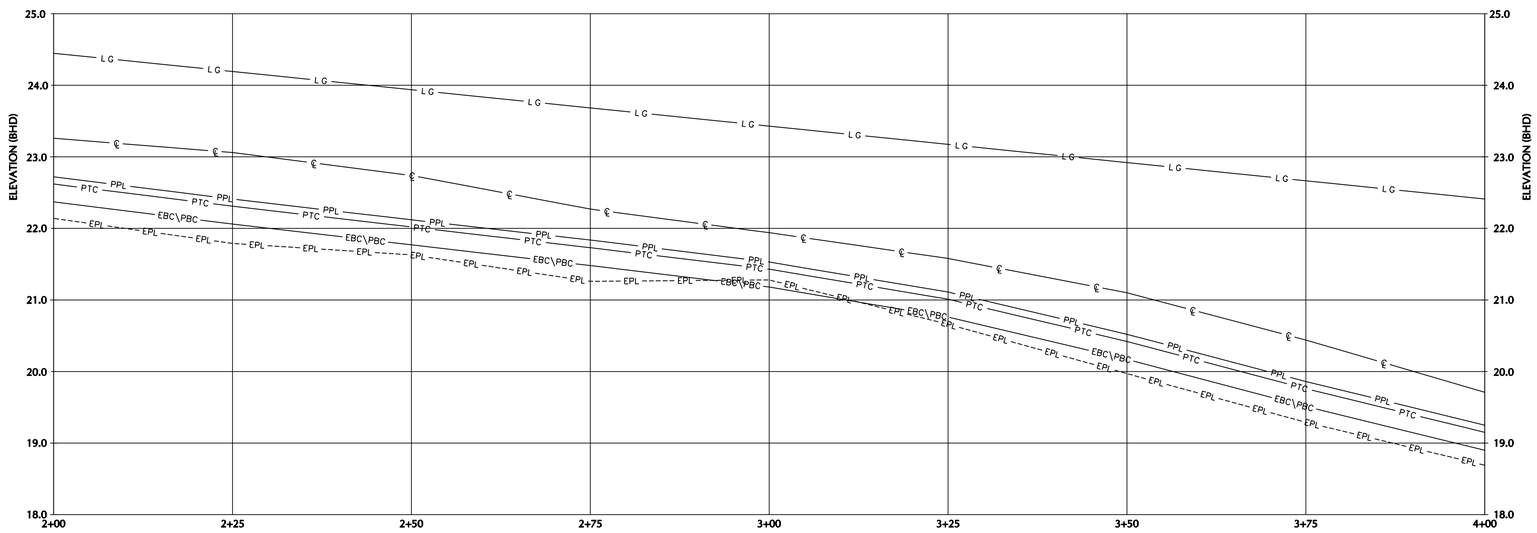


PLAN

SCALE: 1"=10'

10 0 2 4 10

SCALE IN FEET



STATIONS	2+00	2+25	2+50	2+75	3+00	3+25	3+50	3+75	4+00
EX. CURB REVEAL (IN)	-	-	-	-	-	-	-	-	-
PR. CURB REVEAL (IN)	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
EX. SIDEWALK X-SLOPE*	-	-	-	-	-	-	-	-	-
PR. SIDEWALK X-SLOPE*	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
EX. ROAD X-SLOPE	4.08	4.58	4.45	3.62	3.48	3.76	4.26	4.26	3.71
PR. ROAD X-SLOPE	4.08	4.58	4.45	3.62	3.48	3.76	4.26	4.26	3.71
EX. CENTERLINE GRADE	23.26	23.06	22.74	22.27	21.94	21.58	21.10	20.44	19.71
LEGAL GRADE	24.4	24.2	23.9	23.7	23.4	23.2	22.9	22.7	22.4
EX. PROPERTY LINE	22.14	21.79	21.63	21.26	21.28	20.66	19.97	19.29	18.69
PR. PROPERTY LINE	22.72	22.41	22.12	21.83	21.53	21.11	20.52	19.86	19.25
EX. TOP OF CURB	-	-	-	-	-	-	-	-	-
PR. TOP OF CURB	22.62	22.31	22.02	21.73	21.43	21.01	20.42	19.76	19.15
EX. BOTTOM OF CURB	22.37	22.06	21.77	21.48	21.18	20.76	20.17	19.51	18.90
PR. BOTTOM OF CURB	22.37	22.06	21.77	21.48	21.18	20.76	20.17	19.51	18.90

*AVERAGE CROSS-SLOPE VALUES PRESENTED.

PROFILE

SCALE: 1" = 1' (V) 1"=10' (H)

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[B-SCAN STICKER]

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Project: STILLWELL AVENUE SELF-STORAGE BLDG B.

BRONX NEW YORK

Drawing Title: BASSETT AVENUE SOUTH SIDE PLAN & PROFILE; STA 2+00 TO 4+00

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DATE:	01/23/2014
PROJECT No.:	170192401
DRAWING BY:	DL
CHK BY:	MLN
DWG No.:	BPP-003.00
SHEET NO.:	3 of 6

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Borough: BRONX	Sheet 4 of 6
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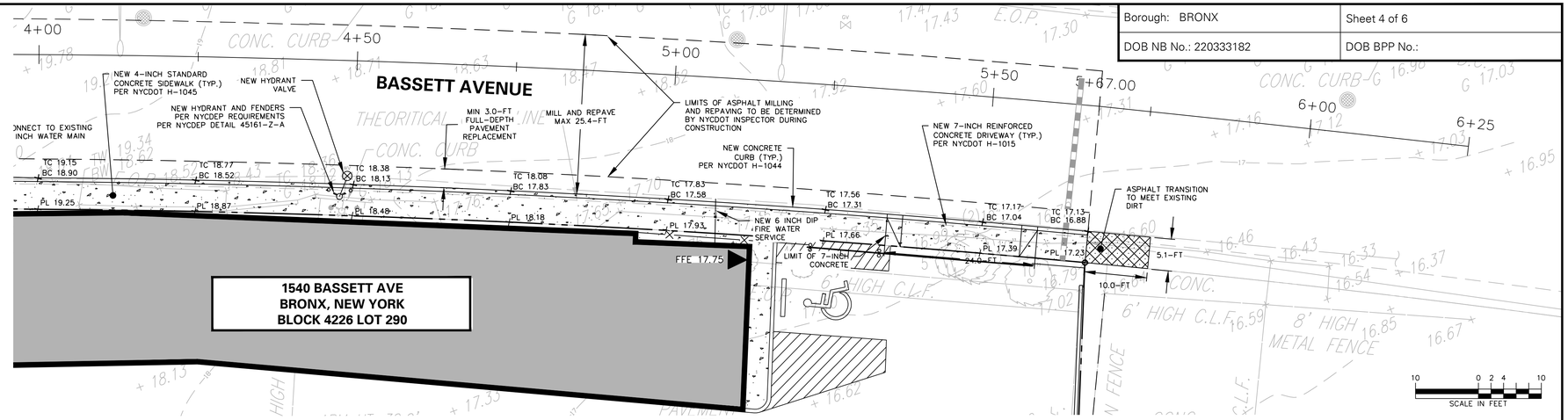
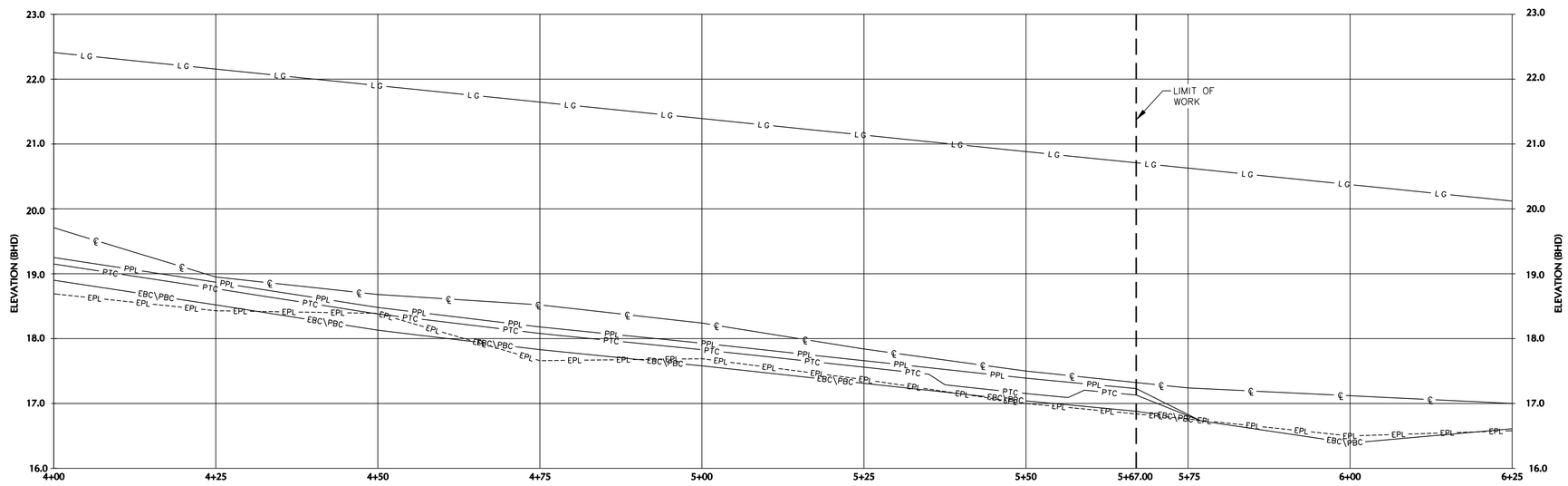


PLAN

SCALE: 1" = 10'



STATIONS	4+00	4+25	4+50	4+75	5+00	5+25	5+50	5+67.00	5+75	6+00	6+25
EX. CURB REVEAL (IN)	-	-	2.88	-	-	-	-	-	-	-	-
PR. CURB REVEAL (IN)	3.00	3.00	3.00	3.00	3.00	3.00	1.56	3.00	-	-	-
EX. SIDEWALK X-SLOPE*	-	-	0.20	-	-	-	-	-	-	-	-
PR. SIDEWALK X-SLOPE*	2.00	2.00	2.00	2.00	2.00	2.00	4.40	2.00	-	-	-
EX. ROAD X-SLOPE	3.71	1.97	2.52	3.16	3.02	2.43	2.11	2.02	-	-	-
PR. ROAD X-SLOPE	3.71	1.97	2.52	3.16	3.02	2.43	2.11	2.02	-	-	-
EX. CENTERLINE GRADE	19.71	18.95	18.68	18.52	18.24	17.84	17.50	17.32	17.24	17.12	17.00
LEGAL GRADE	22.4	22.2	21.9	21.6	21.4	21.1	20.9	20.7	20.6	20.4	20.1
EX. PROPERTY LINE	18.69	18.43	18.39	17.66	17.69	17.37	17.00	16.84	16.79	16.50	16.58
PR. PROPERTY LINE	19.25	18.87	18.48	18.18	17.93	17.66	17.39	17.23	-	-	-
EX. TOP OF CURB			18.37	-	-	-		-	-	-	-
PR. TOP OF CURB	19.15	18.77	18.38	18.08	17.83	17.56	17.17	17.13	-	-	-
EX. BOTTOM OF CURB	18.90	18.52	18.13	17.83	17.58	17.31	17.04	16.88	16.76	16.39	16.61
PR. BOTTOM OF CURB	18.90	18.52	18.13	17.83	17.58	17.31	17.04	16.88	-	-	-

*AVERAGE CROSS-SLOPE VALUES PRESENTED.

PROFILE

SCALE: 1" = 1' (V) 1"=10' (H)

LEGEND: PROFILE

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- S.F.C.C. — STEEL FACED CONC. CURB
- C.L.F. — CHAIN LINK FENCE
- D.Y.L. — DOUBLE YELLOW LINE
- O.H. — OVERHANG
- 1.0' — DENOTES OFFSET OF STRUCTURE AT GROUND LEVEL RELATIVE TO PROPERTY LINE

LEGEND: PROFILE

- ℄ — EXISTING CENTERLINE
- ETC/PTC — EXISTING / PROPOSED TOP OF CURB
- EBC/PBC — EXISTING / PROPOSED BOTTOM OF CURB
- EPL — EXISTING PROPERTY LINE
- PPL — PROPOSED PROPERTY LINE
- LG — LEGAL GRADE

[B-SCAN STICKER]

Date	Description	No.
Revisions		

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Project

STILLWELL AVENUE SELF-STORAGE BLDG B.

BRONX NEW YORK

Drawing Title

BASSETT AVENUE SOUTH SIDE PLAN & PROFILE; STA 4+00 TO 6+25

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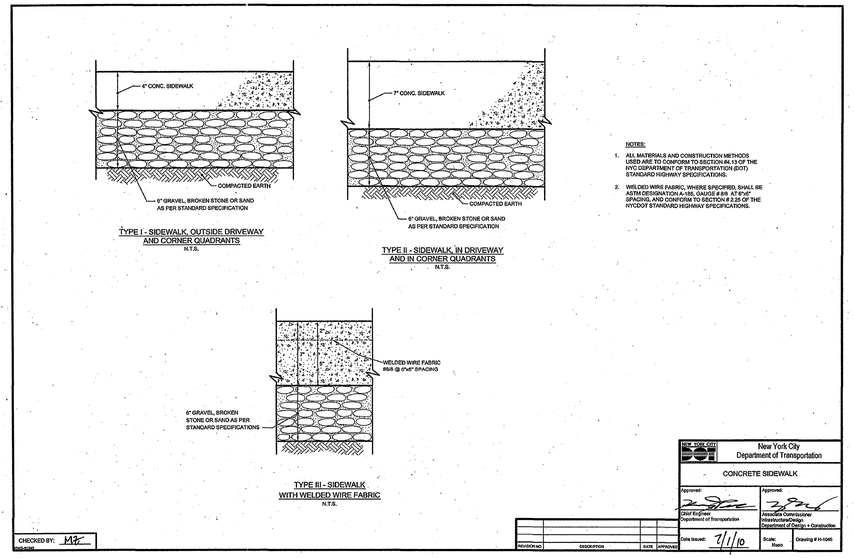
CHRISTOPHER VITOLANO, PE
PROFESSIONAL ENGINEER N.Y. LIC. No. 081589

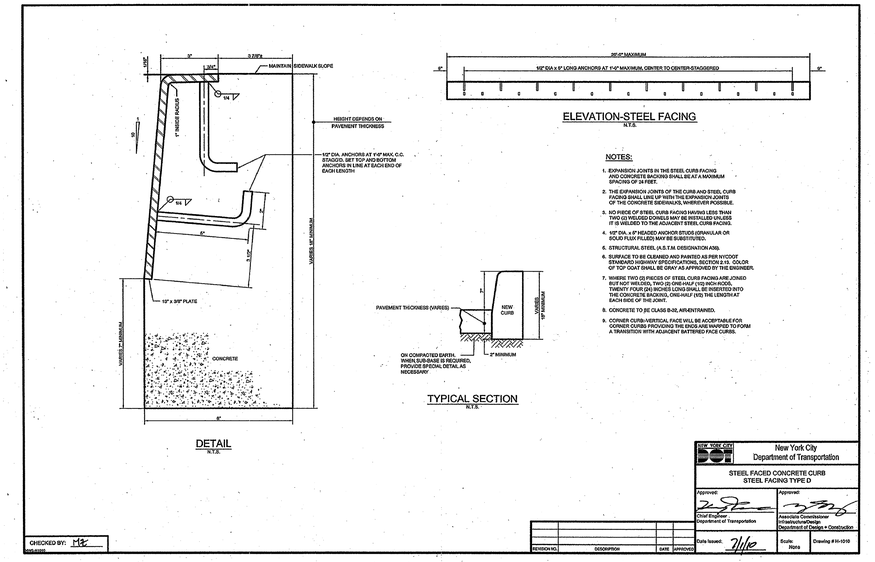
DATE:	01/23/2014
PROJECT No.:	170192401
DRAWING BY:	DL
CHK BY:	MLN
DWG No.:	BPP-004.00
SHEET NO.:	4 of 6

Filename: \\langan.com\data\NY\data4\170192401\Cadd Data - 170192401\SheetFiles\NYCDOB BPP and CC\170192401-C-92X-BPP.dwg Date: 2/25/2014 Time: 09:29 User: dlizza Style Table: Langan.stb Layout: 4

Borough: BRONX	Sheet 5 of 6
DOB NB No.: 220333182	DOB BPP No.:



1 CONCRETE SIDEWALK
N.T.S.



2 STEEL FACED CURB
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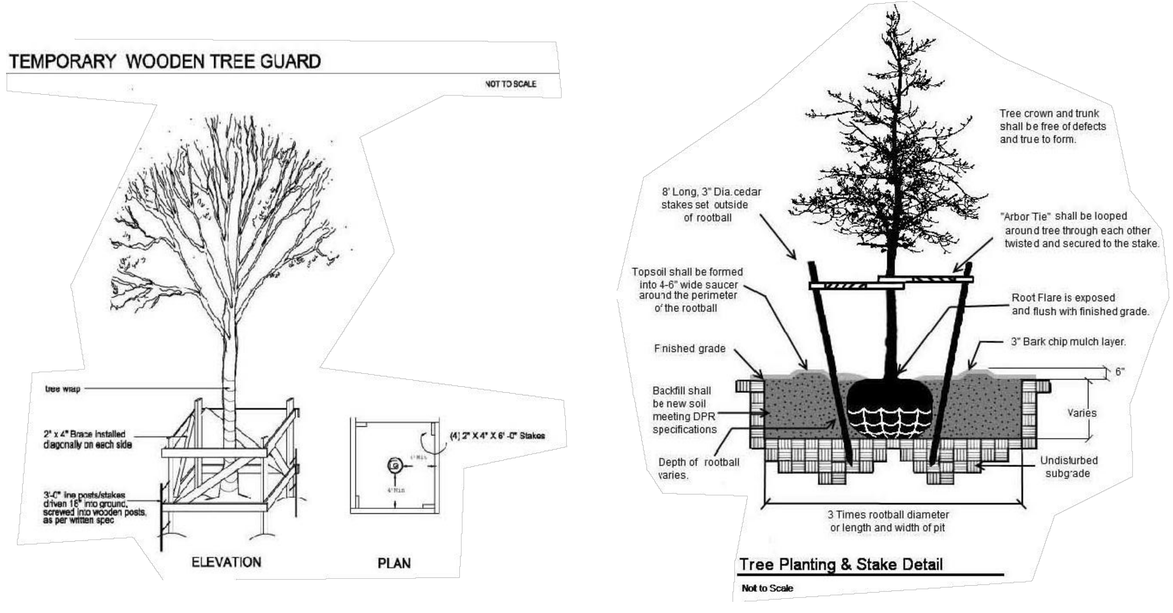

3 TREE PIT DETAIL
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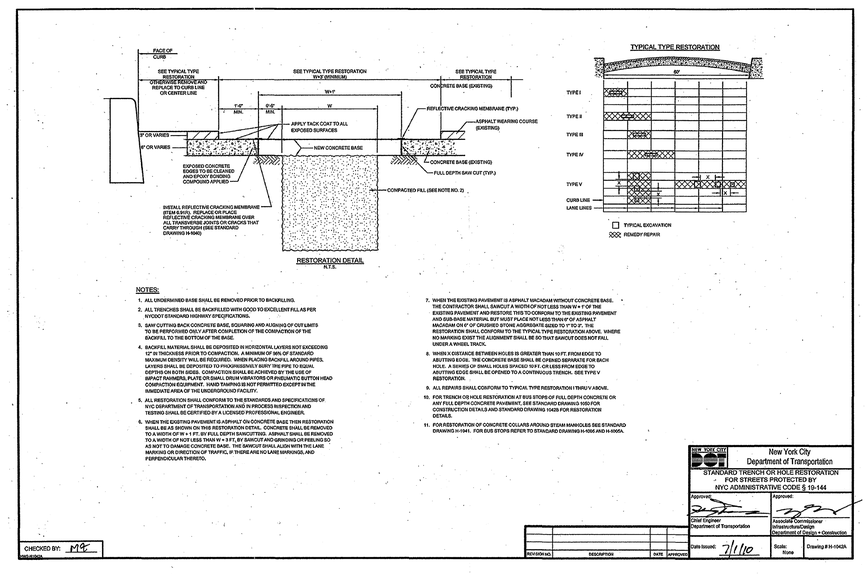

4 TRENCH RESTORATION WITHIN THE RIGHT-OF-WAY
N.T.S.

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STILLWELL AVENUE SELF-STORAGE BLDG B.
BRONX NEW YORK

Drawing Title
BPP DETAILS

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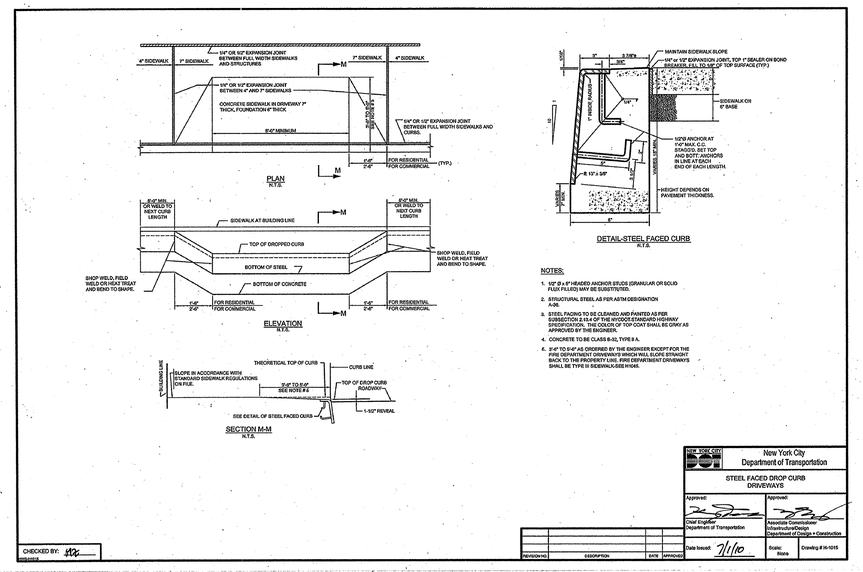
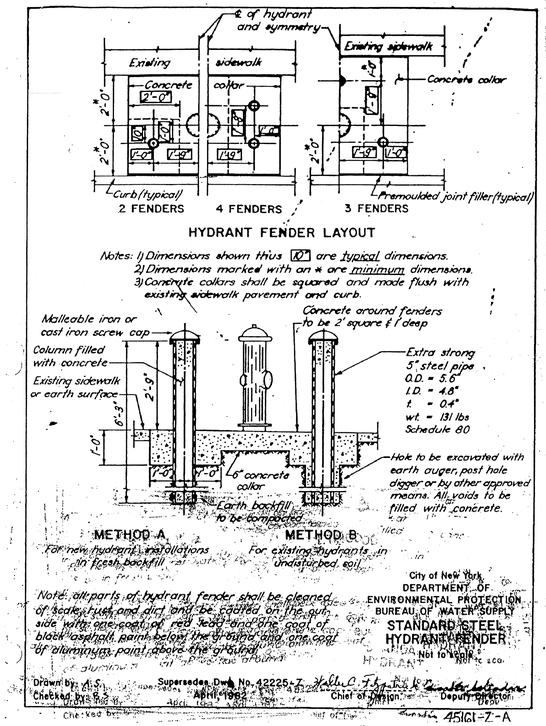
PROFESSIONAL ENGINEER N.Y. LIC. No. 081589

DATE:	01/23/2014
PROJECT No.:	170192401
DRAWING BY:	DL
CHK BY:	MLN
DWG No.:	BPP-005.00
SHEET NO.:	5 of 6



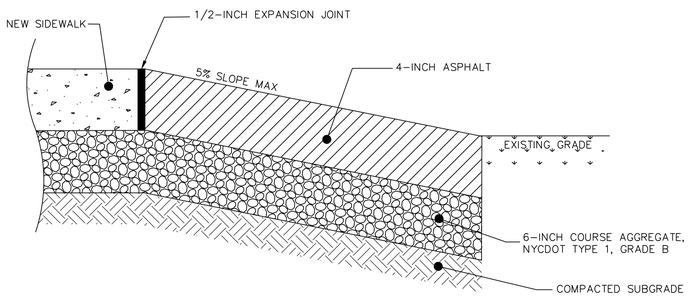
5 STEEL FACED DROP CURB DRIVEWAYS

N.T.S.



6 HYDRANT FENDER LAYOUT

N.T.S.



7 ASPHALT TRANSITION TO EXISTING GRADE

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PROJECT No.:	170192401
DRAWING BY:	DL
CHK BY:	MLN
DWG No.:	BPP-006.00
SHEET NO.:	6 of 6

EXISTING BASE MAP NOTES:

1. BASE MAPPING REFERENCE

   EXISTING TOPOGRAPHIC, BOUNDARY AND/OR UTILITY INFORMATION AS SHOWN ON THIS/THESE DESIGN DOCUMENT(S) ARE BASED ON PLAN(S) "BOUNDARY AND TOPOGRAPHIC SURVEY", PREPARED BY CONTROL POINT ASSOCIATES, INC, DATED 3/8/2012.

   ACTUAL SITE CONDITIONS MAY VARY FROM THOSE ENCOUNTERED AT THE TIME THE SURVEY DATA SHOWN HEREON WAS OBTAINED.

   PRIOR TO ANY USE OF THIS DATA, INCLUDING BUT NOT LIMITED TO DESIGN OR CONSTRUCTION, THE APPROPRIATE DATA CONFIRMATIONS SHALL BE MADE.

   ADDITIONAL UTILITY REFERENCES USED IN THE PREPARATION OF THE REFERENCED PLAN ARE SHOWN THEREON.

2. UTILITY REFERENCE

   LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING AND LANDSCAPE ARCHITECTURE, D.P.C. (LANGAN) CANNOT AND DOES NOT REPRESENT THAT THE ACCURACY OF THE UTILITY INFORMATION SHOWN ON THE REFERENCED PLAN(S) IS ACCURATE. LANGAN DOES NOT REPRESENT THAT THE UNDERGROUND UTILITIES SHOWN HEREON ARE IN SERVICE, ABANDONED, SUITABLE FOR USE OR ARE OF THE EXACT TYPE, SIZE, LOCATION (HORIZONTAL AND VERTICAL) OR CONFIGURATION INDICATED HEREON, NOR COMPRISE ALL THE UTILITIES WITHIN THE SUBJECT AREA.

   ACTUAL CONDITIONS MAY VARY FROM THOSE ENCOUNTERED AT THE TIME THE DATA WAS OBTAINED AND/OR SUPPLIED.

   PRIOR TO ALL DESIGN AND CONSTRUCTION, THE APPROPRIATE UTILITY AGENCIES SHALL BE CONTACTED TO OBTAIN WRITTEN VERIFICATION OF UTILITY TYPE AND FIELD LOCATION. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, UTILITY LOCATIONS, TYPES, ETC. AND INVERTS PRIOR TO THE START OF CONSTRUCTION. ANY CONDITIONS FOUND THAT DIFFER FROM THOSE SHOWN ON THESE DOCUMENTS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER IN WRITING PRIOR TO CONDUCTING ANY INTRUSIVE WORK.

EROSION & SEDIMENT CONTROL NOTES:

1. THE CONTRACTOR IS REQUIRED TO COMPLY WITH ALL DIRECTIONS OF THE OWNER AND OWNER'S REPRESENTATIVE WITH RESPECT TO EROSION AND SEDIMENT CONTROL MEASURE INSTALLATION, REPAIRS, ETC.
2. SILT FENCE INSTALLATION SHALL BE PHASED AS REQUIRED TO PROTECT ACTUAL AREAS OF EXPOSED DISTURBED SOIL AT ANY GIVEN TIME.
3. THE CONTRACTOR IS RESPONSIBLE FOR THE PROPER CONSTRUCTION, STABILIZATION, AND MAINTENANCE OF ALL TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES AND RELATED ITEMS INCLUDED WITHIN THIS PLAN. THE CONTRACTOR IS ALSO RESPONSIBLE FOR THE PROPER CONSTRUCTION AND STABILIZATION OF PERMANENT CONTROL MEASURES AND RELATED ITEMS INCLUDED WITHIN THIS PLAN.
4. ALL SEDIMENT CONTROL ELEMENTS SHALL BE INSTALLED PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES, IN PROPER SEQUENCE, AND MAINTAINED UNTIL EXTERIOR CONSTRUCTION IS COMPLETED. ALL SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED ON A DAILY BASIS AND AFTER EACH SIGNIFICANT RAINFALL EVENT. THIS DAILY PROCEDURE SHALL BE DOCUMENTED IN A LOG BOOK. DAMAGE TO ANY SEDIMENTATION CONTROL STRUCTURE SHALL BE REPAIRED IMMEDIATELY. REFER TO "MAINTENANCE SCHEDULE" NOTES ON THIS SHEET FOR MORE INFORMATION.
5. SOIL SEDIMENT REMOVED FROM ANY TEMPORARY CONTROL MEASURE DURING REGULAR MAINTENANCE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN ACCORDANCE WITH APPLICABLE REGULATIONS.
6. ALL WORK TO BE PERFORMED IN ACCORDANCE WITH THE LATEST NYS DEC STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL AND MEET 2003 EPA CONSTRUCTION GENERAL PERMIT REQUIREMENTS.
7. ALL APPLICABLE SEDIMENT CONTROL PRACTICES SHALL BE LEFT IN PLACE UNTIL CONSTRUCTION IS COMPLETED AND/OR DISTURBED AREAS ARE STABILIZED AS PER NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL SECTION, 2.3.
8. "STABILIZED" SHALL BE DEFINED AS HAVING SUBBASE IN PLACE FOR PAVEMENT AREAS, AND A UNIFORM, 80% VEGETATIVE COVER FOR LANDSCAPED AREAS.
9. CONTRACTOR SHALL IMPLEMENT DUST CONTROL MEASURES DURING CONSTRUCTION. CONTRACTOR TO MINIMIZE DUST CLOUDS BY WATERING DOWN CONSTRUCTION AREA OR OTHER APPROVED METHODS, AS REQUIRED.
10. CONTRACTOR SHALL INSTALL AND MAINTAIN STABILIZED CONSTRUCTION ENTRANCE(S) AS REQUIRED BY THE MEANS AND METHODS FOR THIS WORK.
11. ALL CONSTRUCTION VEHICLES HAULING MATERIALS EITHER INTO OR OUT OF THE CONSTRUCTION AREA SHALL HAVE A SECURED TARP OVER MATERIALS TO PREVENT SEDIMENT POLLUTION OF PUBLIC ROADWAYS.
12. ROADWAYS, PATHS, AND PAVED AREAS IN AND AROUND THE CONSTRUCTION SITE SHALL BE KEPT FREE OF CONSTRUCTION DEBRIS AT ALL TIMES. THESE LOCATIONS SHALL BE SWEPT CLEAN AT THE END OF EACH WORKING DAY AND AS REQUIRED BY THE OWNER.
13. AS NEW DRAINAGE STRUCTURES ARE INSTALLED, INLET PROTECTION SHALL CONCURRENTLY BE INSTALLED IN THE NEW STRUCTURES. CONTRACTOR SHALL PROVIDE FOR PROPER DRAINAGE OF THE SITE AT ALL TIMES DURING REMOVALS AND CONSTRUCTION.
14. CLEAN STORM DRAINAGE STRUCTURES AS REQUIRED/DIRECTED AND AT THE COMPLETION OF THE PROJECT.
15. THE OWNER MAY REQUIRE ADDITIONAL SOIL EROSION MEASURES TO BE INSTALLED.
16. CONTRACTOR SHALL SWEEP AREAS OUTSIDE THE WORK ZONE AS NECESSARY TO PREVENT MUD TRACKING ON ROADWAYS AROUND THE CONSTRUCTION AREA.

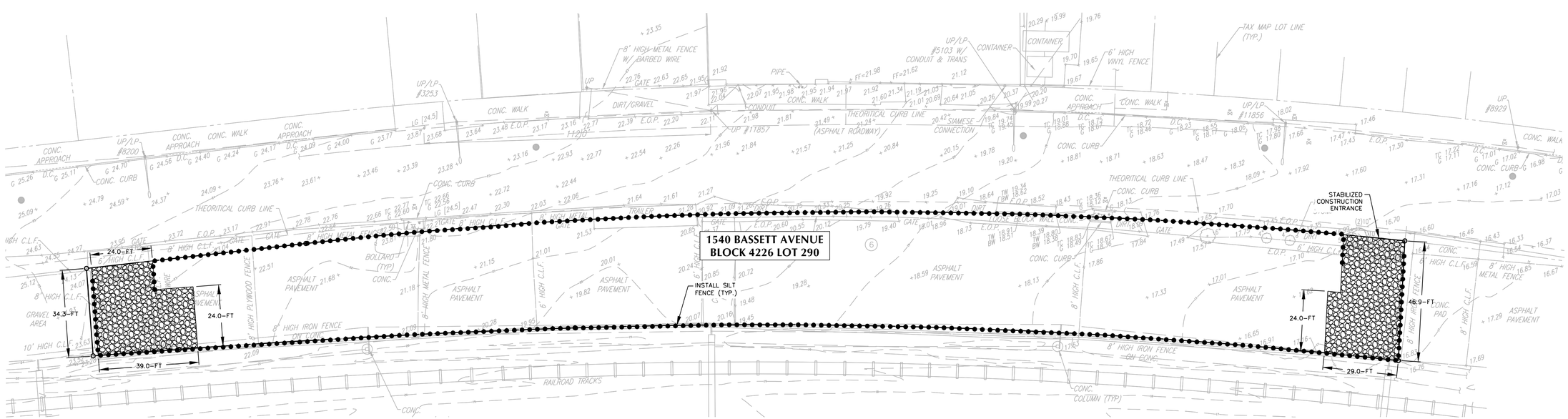
MAINTENANCE SCHEDULE:

ALL MAINTENANCE METHODS DESCRIBED BELOW ARE IN DIRECT ACCORDANCE WITH THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL. MAINTENANCE ON ANY EROSION CONTROL MEASURE MAY BE ORDERED BY THE OWNER AT ANY TIME, INDEPENDENT OF THE PRESCRIBED STANDARD MAINTENANCE INTERVALS.

SILT FENCE: MAINTENANCE OF ALL SILT FENCE INSTALLED SHALL BE PERFORMED AS NEEDED. WHEN "BULGES" OF MATERIAL DEVELOP ON THE FENCE, IT SHALL BE REMOVED.

FILTER FABRIC INLET PROTECTION: FABRIC SHALL BE WRAPPED AROUND THE INLET GRATE. INSPECT THE FABRIC BARRIER AFTER EACH RAIN EVENT AND MAKE REPAIRS OR REPLACE AS NEEDED. UPON STABILIZATION OF THE DRAINAGE AREA, REMOVE ALL MATERIALS AND UNSTABLE SEDIMENT AND DISPOSE OF IN ACCORDANCE WITH APPLICABLE REGULATIONS.

LEGEND	
SILT FENCE	
STABILIZED CONSTRUCTION ENTRANCE	



1 EROSION AND SEDIMENT CONTROL PLAN

1" = 20'

20 0 5 10 20
SCALE IN FEET

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2 2/3/2014 PERMIT SET ONE STORY

REVISION DATE:

Stillwell Avenue Self Storage - Bldg. B

NYC DOB NB# 220333182

Stillwell Self Storage LLC
1540 Bassett Avenue
Bronx, NY

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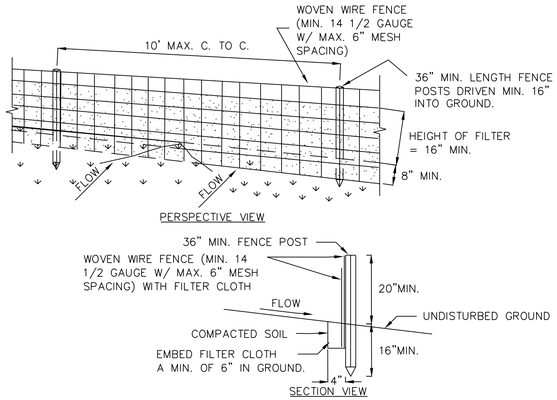
Filename: \\langan.com\data\NY\data4\170192401\Cadd Data - 170192401\SheetFiles\170192401-C-021-Soil Erosion and Sediment Control Plan.dwg Date: 2/3/2014 Time: 10:40 User: dlizza Style Table: Langan.stb Layout: C-021

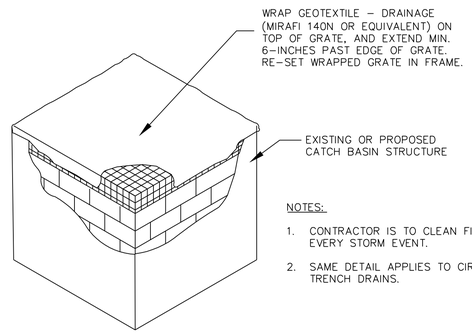


CONSTRUCTION SPECIFICATIONS:

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
2. FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 12 1/2 GAUGE, 6" MAXIMUM MESH OPENING.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

1 SILT FENCE

N.T.S.

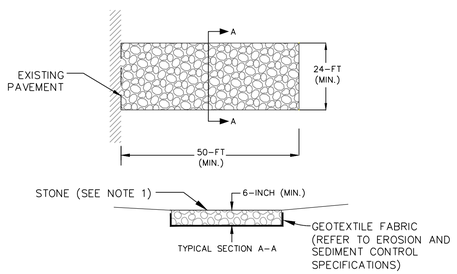


NOTES:

1. CONTRACTOR IS TO CLEAN FILTER FABRIC AFTER EVERY STORM EVENT.
2. SAME DETAIL APPLIES TO CIRCULAR INLETS AND TRENCH DRAINS.

3 FILTER FABRIC INLET PROTECTION

N.T.S.



STONE SIZE – USE AASHTO NO. 1 CRUSHED STONE

THICKNESS OF STONE – NOT LESS THAN SIX INCHES.

LENGTH OF STABILIZED CONSTRUCTION ACCESS – NOT LESS THAN 50 FEET

WIDTH – TWELVE FEET MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR FEET IF SINGLE ENTRANCE TO SITE.

GEOTEXTILE – WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. (REFER TO EROSION AND SEDIMENT CONTROL SPECIFICATIONS)

SURFACE WATER – ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.

MAINTENANCE – THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO THE PUBLIC RIGHT-OF-WAY, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.

WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.

PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

2 STABILIZED CONSTRUCTION ENTRANCE

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REVISION DATE:

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NYC DOB NB# 220333182

Stillwell Self Storage LLC
1540 Bassett Avenue
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GENERAL SITE NOTES:

1. THESE PLANS REPRESENT THE OVERALL SITEWORK IMPROVEMENTS REQUIRED FOR PROJECT CONSTRUCTION. THE CONTRACTOR SHALL FURNISH, INSTALL, TEST AND COMPLETE ALL WORK TO THE SATISFACTION OF THE ENGINEER AND OWNER IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION; AS SUCH, THESE PLANS DO NOT COMPLETELY REPRESENT, NOR ARE THEY INTENDED TO REPRESENT, ALL SPECIFIC INSTRUCTIONS REQUIRED FOR SITEWORK CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONSTRUCT ALL IMPROVEMENTS DEPICTED ON THESE PLANS IN ACCORDANCE WITH ALL APPLICABLE RULES, REGULATIONS AND LAWS IN EFFECT AT THE TIME OF CONSTRUCTION.

2. THE CONTRACTOR SHALL ACCEPT THE SITE AS IS. THE CONTRACTOR SHALL ASSESS CONDITIONS, AND THE KIND, QUALITY AND QUANTITY OF WORK REQUIRED. THE OWNER MAKES NO GUARANTEE IN REGARD TO THE ACCURACY OF ANY AVAILABLE INFORMATION WHICH WAS OBTAINED DURING INVESTIGATIONS. THE CONTRACTOR SHALL MAKE A THOROUGH SITE INSPECTION IN ORDER TO FIELD CHECK EXISTING SITE CONDITIONS, CORRELATE CONDITIONS WITH THE DRAWINGS AND RESOLVE ANY POSSIBLE CONSTRUCTION CONFLICTS WITH THE OWNER AND ENGINEER PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR SHALL MAKE ADDITIONAL TOPOGRAPHIC SURVEYS HE DEEMS NECESSARY, PROVIDED THEY ARE COORDINATED WITH THE OWNER. ANY CONDITIONS DETERMINED BY THE CONTRACTOR THAT DIFFER FROM THE INFORMATION SHOWN ON THE DRAWINGS THAT ARE NOT BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER PRIOR TO THE START OF WORK SHALL NOT BE CONSIDERED GROUNDS FOR ADDITIONAL PAYMENT OR CHANGES TO THE CONTRACT DURATION, OR ANY OTHER CLAIMS AGAINST THE OWNER OR OWNER'S ENGINEER.

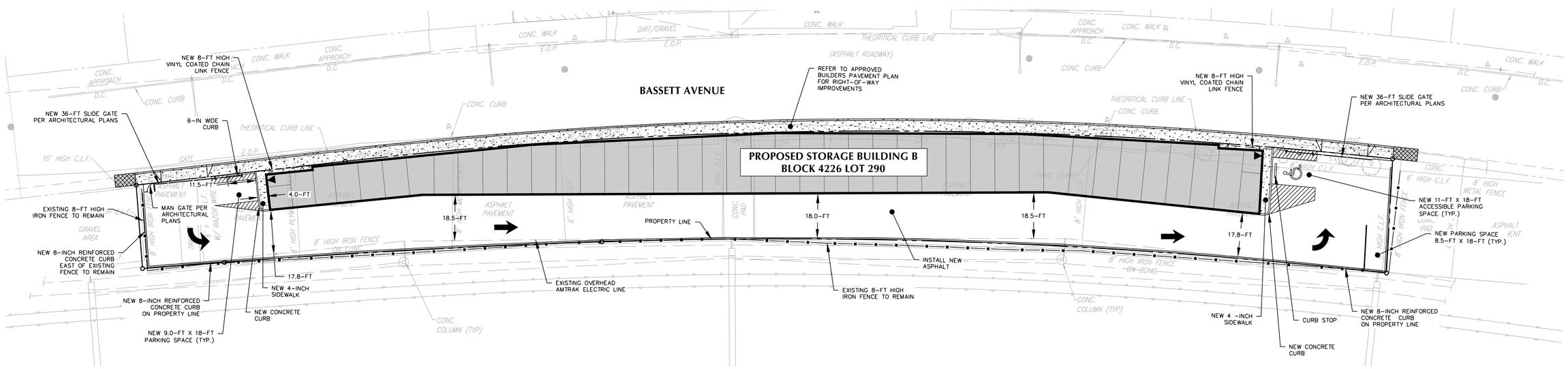
3. THE CONTRACTOR SHALL, WHEN THEY DEEM NECESSARY, PROVIDE WRITTEN REQUESTS FOR INFORMATION (RFIS) TO THE OWNER AND ENGINEER PRIOR TO THE CONSTRUCTION OF ANY SPECIFIC SITEWORK ITEM. THE (RFI) SHALL BE IN A FORM ACCEPTABLE TO OWNER AND ENGINEER AND SHALL ALLOW FOR A MINIMUM OF TWO WORK DAYS OR ADDITIONAL REASONABLE TIME FOR A WRITTEN REPLY. RFIS SHALL BE NUMBERED CONSECUTIVELY BY DATE SUBMITTED. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SITEWORK ITEMS CONSTRUCTED DIFFERENTLY THAN INTENDED OR AS DEPICTED ON THE PLANS.

4. INFORMATION RELATED TO ELEVATIONS AND PROPOSED UTILITIES (SUCH AS ROADWAY GRADES, INVERT ELEVATIONS, RIM ELEVATIONS, GRATE ELEVATIONS, BUILDING FINISHED FLOOR ELEVATIONS, ETC.) MAY BE FOUND IN MORE THAN ONE LOCATION IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL SUFFICIENTLY REVIEW ALL PLANS, PROFILES AND ANY OTHER INFORMATION IN THE CONTRACT DOCUMENTS FOR CONSISTENCY PRIOR TO CONSTRUCTION. ANY INCONSISTENCIES OR DISCREPANCIES THAT ARE FOUND BY THE CONTRACTOR OR HIS ASSIGNS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER IN WRITING, IN THE FORMAT OF AN RFI PRIOR TO CONSTRUCTION.

5. THERE ARE ADDITIONAL NOTES, SPECIFICATIONS AND REQUIREMENTS CONTAINED THROUGHOUT THE PLAN SET AS WELL AS REFERENCES TO SPECIFICATIONS FROM APPLICABLE GOVERNING AUTHORITIES AND INDUSTRY STANDARDS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN, REVIEW AND ADHERE TO ALL THESE DOCUMENTS.

LEGEND

PROPERTY LINE	
PROPOSED CURB	
DOOR	
BUILDING LINE	
EXISTING IRON FENCE TO REMAIN	
PROPOSED CHAIN LINK FENCE	



1 SITE PLAN
1" = 20'

20 0 5 10 20
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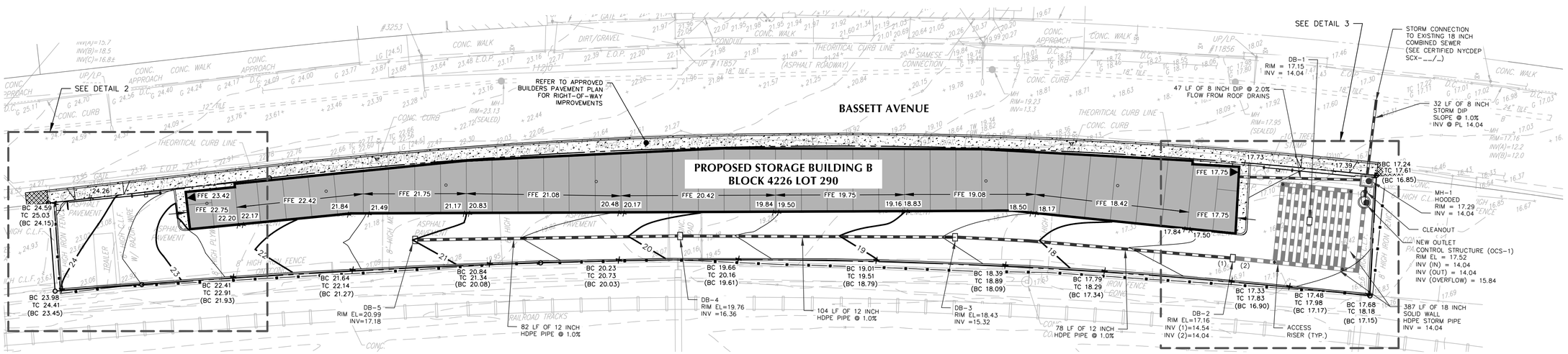
GENERAL NOTES:

1. EXISTING TOPOGRAPHIC, BOUNDARY AND/OR UTILITY INFORMATION AS SHOWN ON THIS/THESE DESIGN DOCUMENTS(S) ARE BASED ON PLANS(S) "BOUNDARY AND TOPOGRAPHIC SURVEY", PREPARED BY CONTROL POINT ASSOCIATED, INC. DATED 3/8/2012.
2. ANY CONFLICT OR DISCREPANCIES BETWEEN THE PLANS AND OBSERVED SITE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER FOR CLARIFICATION PRIOR TO THE START OF CONSTRUCTION, OR AS SOON AS A CONFLICT / DISCREPANCY IS DISCOVERED.
3. ADJUST ALL EXISTING DRAINAGE STRUCTURES AND UTILITY MANHOLES / VALVE COVERS WITHIN LIMIT OF WORK TO NEW GRADE.
4. ALL CATCH BASINS / INLET STRUCTURES SHALL BE LOCATED AT THE LOW POINT WITHIN SURROUNDING AREA.
5. THE CONTRACTOR SHALL EXERCISE EXTREME CARE TO PROTECT EXISTING TREES AND THEIR ROOTS. MODIFY TRENCHES OR CHANNELS TO AVOID EXISTING TREES AND THEIR ROOTS. ONLY HAND AND/OR PNEUMATIC EXCAVATE WITHIN THE DROP LINES OF EXISTING TREES.
6. THE CONTRACTOR SHALL EXERCISE EXTREME CARE DURING EXCAVATION / GRADING OPERATIONS TO PROTECT EXISTING FACILITIES TO REMAIN. SAID FACILITIES SHALL BECOME THE RESPONSIBILITY OF THE CONTRACTOR AND, IF DAMAGED, SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
7. THE CONTRACTOR SHALL ENSURE THAT POSITIVE DRAINAGE IS ACHIEVED THROUGHOUT THE ENTIRE SYSTEM. SHOULD THE CONTRACTOR FAIL TO ACHIEVE POSITIVE DRAINAGE, CORRECTIVE MEASURES SHALL BE TAKEN AT THE CONTRACTOR'S EXPENSE AND AS DIRECTED BY THE OWNER.
8. THE CONTRACTOR SHALL, AS NEEDED TO ENSURE DRAINAGE, AND AT THE COMPLETION OF THE CONTRACT, FLUSH ALL ON-SITE STORM SEWER LINES AND CLEAR THE PIPES OF ANY AND ALL CONSTRUCTION DEBRIS, SILT, SOLIDS, ETC.

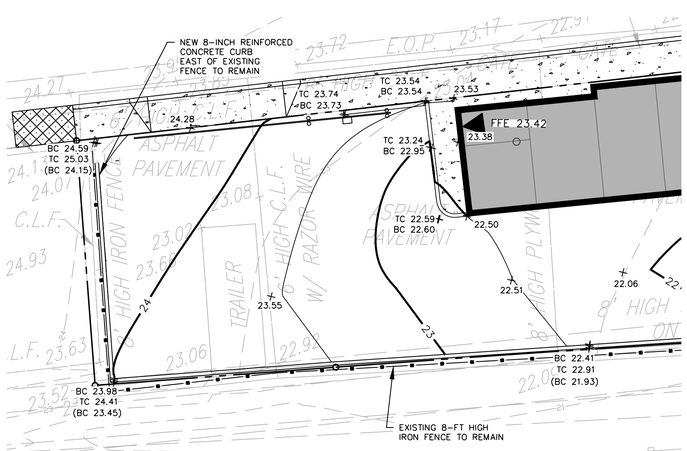
LEGEND

SEWER PIPE	
SPOT ELEVATION	× 27.00
DOOR SYMBOL WITH FINISHED FLOOR ELEVATION	FFE X.XX
PROPOSED ON-SITE BOTTOM OF CURB ELEVATION	× BC 27.00
PROPOSED TOP OF CURB ELEVATION	× TC 27.00
EXISTING AMTRAK BOTTOM OF CURB ELEVATION	× (BC 27.00)



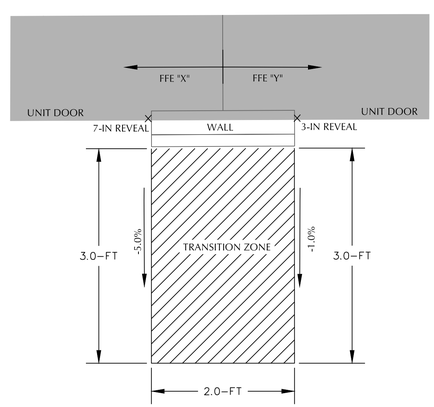
1 GRADING AND DRAINAGE PLAN

1" = 20'



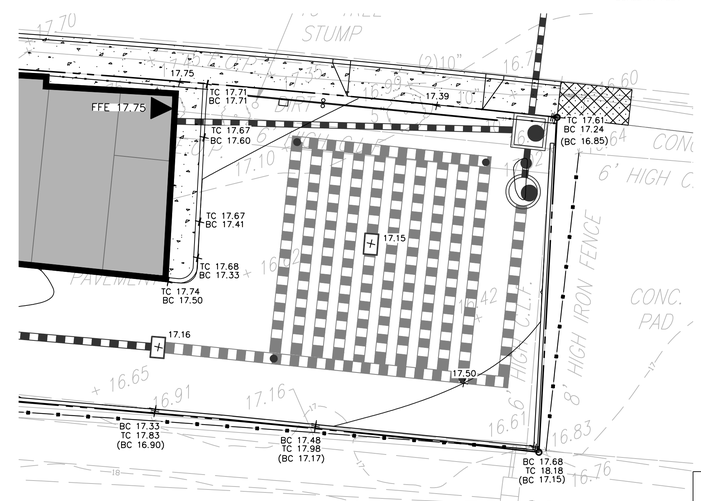
2 SOUTH ENTRANCE GRADING AND DRAINAGE

1" = 10'



4 ASPHALT TRANSITION ZONE BETWEEN VARYING FFE

NTS



3 NORTH ENTRANCE GRADING AND DRAINAGE

1" = 10'

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21 Penn Plaza, 360 West 31st Street, 8th Floor
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Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan International LLC
Collectively known as Langan

ISSUE DATE:

1 5/23/2013 PERMIT SET
2 2/3/2014 PERMIT SET ONE STORY

REVISION DATE:

Stillwell Avenue Self Storage - Bldg. B

NYC DOB NB# 220333182

Stillwell Self Storage LLC
1540 Bassett Avenue
Bronx, NY

BUTZ•WILBERN LTD

Planning | Architecture
Interiors | Property Visioning

800 W. Broad St. Suite 363
Falls Church, Virginia 22046
703-356-6771 fax: 356-7010

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C-221.00

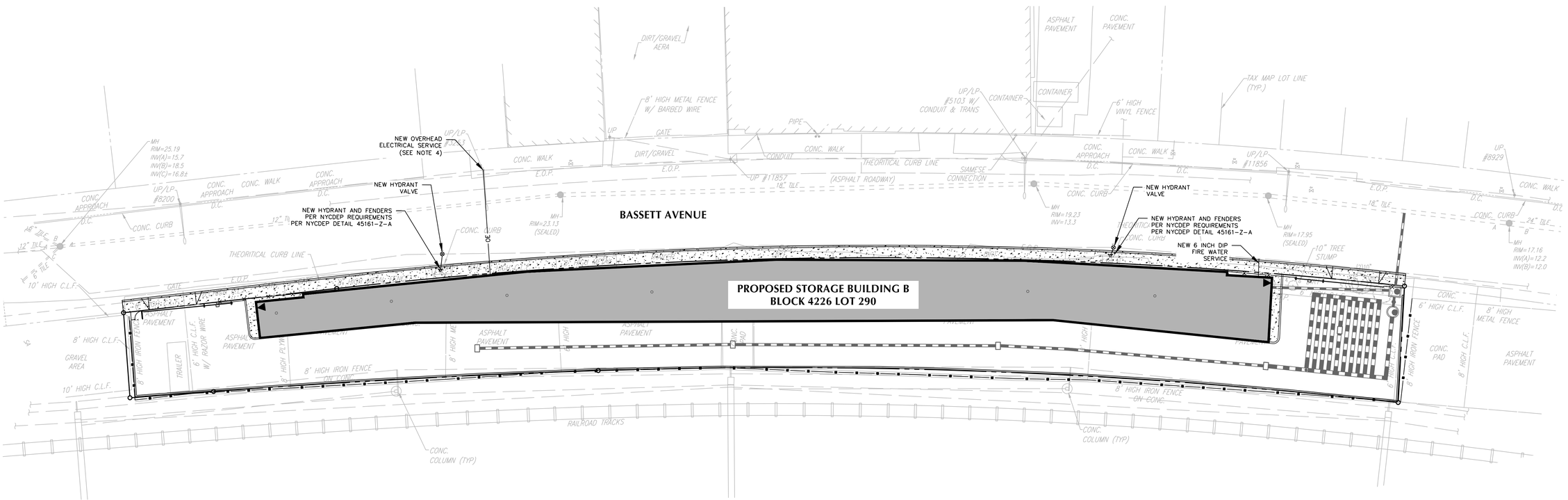
4 OF 6

12005

GENERAL NOTES:

1. THE CONTRACTOR SHALL PERFORM ANY TEST PITS NECESSARY TO CONFIRM THE DESIGN AND EXISTING CONDITIONS PRESENTED IN THESE CONTRACT DOCUMENTS PRIOR TO THE COMMENCEMENT OF WORK.
2. ALL UTILITIES NOT SPECIFICALLY CALLED OUT FOR REMOVAL SHALL BE MAINTAINED AND PROTECTED THROUGHOUT THE COURSE OF CONSTRUCTION.
3. ADJUST ALL EXISTING DRAINAGE STRUCTURES AND UTILITY MANHOLES/VALVE COVERS WITHIN LIMIT OF WORK TO NEW GRADE.
4. ELECTRICAL SERVICE TO BUILDING SHOWN CONCEPTUALLY. ELECTRICAL AND TELECOM SCOPES TO BE CONFIRMED BY ELECTRICAL ENGINEER.

LEGEND	
UNDERGROUND WATER LINE	—UW—
OVERHEAD ELECTRIC LINE	—OE—
VALVE	⊗



1 UTILITY PLAN
1" = 20'

ISSUE DATE:

1 5/23/2013 PERMIT SET
2 2/3/2014 PERMIT SET ONE STORY

REVISION DATE:

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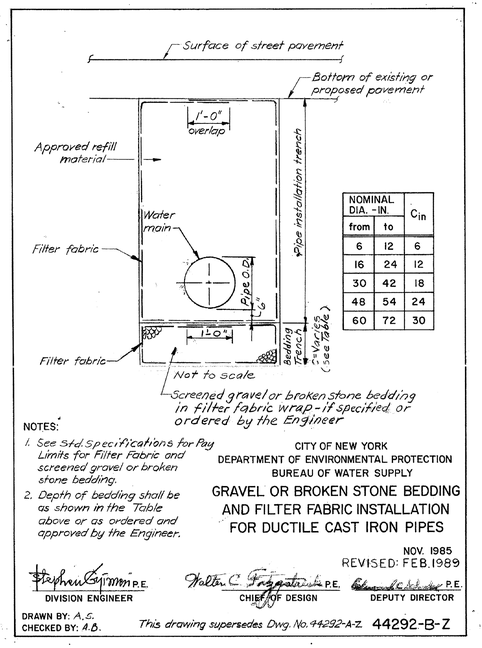
5 OF 6

12005



NOMINAL DIA. - IN. from	to	C_{in}
6	12	6
16	24	12
30	42	18
48	54	24
60	72	30

NOTES:

1. See Std. Specifications for Pay Limits for Filter Fabric and screened gravel or broken stone bedding.
2. Depth of bedding shall be as shown in the Table above or as ordered and approved by the Engineer.

CITY OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER SUPPLY

GRAVEL OR BROKEN STONE BEDDING AND FILTER FABRIC INSTALLATION FOR DUCTILE CAST IRON PIPES

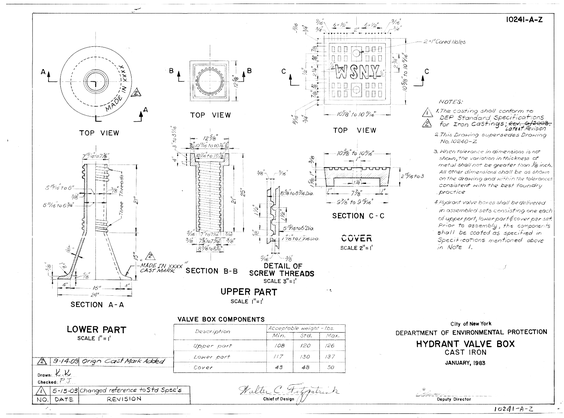
NOV. 1985
REVISED: FEB. 1989

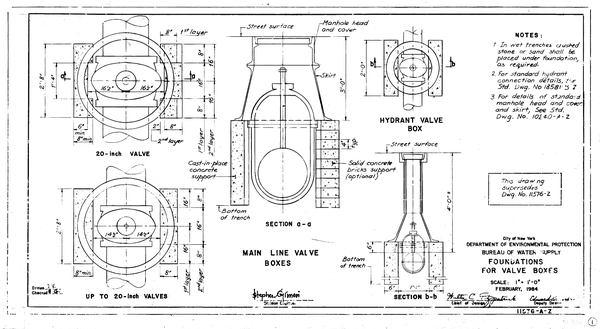
DIVISION ENGINEER — CHIEF OF DESIGN — DEPUTY DIRECTOR

DRAWN BY: A.S.
CHECKED BY: A.D.

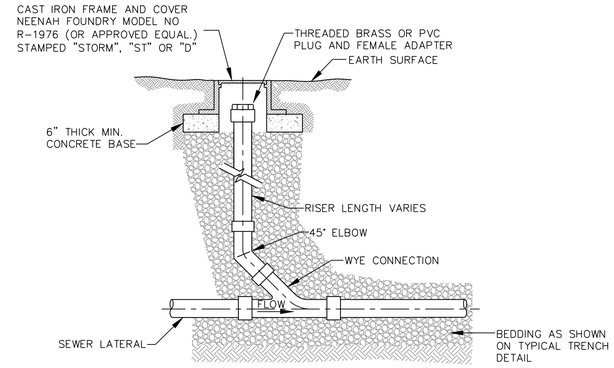
This drawing supersedes Dwg. No. 44292-A-Z. 44292-B-Z

1 TYPICAL WATER MAIN TRENCHING
N.T.S.





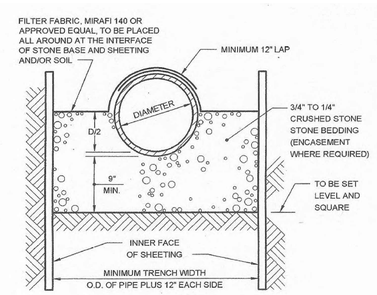
2 CURB VALVE BOX
N.T.S.



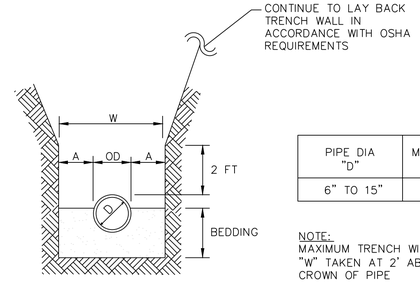
NOTES:

1. RISER AND FITTING MATERIALS SHALL MATCH SEWER LATERAL MATERIAL AND DIAMETER.

3 CLEANOUT
N.T.S.



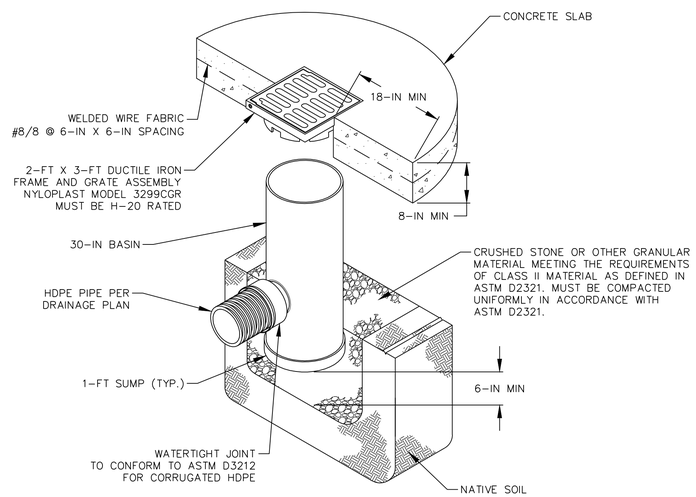
4 TYPICAL SEWER SERVICE TRENCHING
N.T.S.



PIPE DIA "D"	MAXIMUM "A"
6" TO 15"	8"

NOTE:
MAXIMUM TRENCH WIDTH "W" TAKEN AT 2' ABOVE CROWN OF PIPE

7 STANDARD PIPE TRENCH WIDTH
N.T.S.



6 NYLOPLAST DRAIN BASIN
N.T.S.

NOTES:

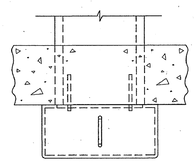
1. CONCRETE SHALL BE CLASS A-40, 4000 P.S.I. AS PER SECTION 3.05 OF STANDARD HIGHWAY SPECIFICATIONS.
2. STEEL REINFORCEMENT SHALL BE AS PER ASTM A615, GRADE 60.
3. THE SLOPE OF THE TOP OF CURB SHALL CONFORM TO SLOPE OF SIDEWALK IN ALL CASES.
4. EXPANSION JOINTS IN CURB SHALL NOT EXCEED 20'-0" O.C.

8 8-INCH REINFORCED CONCRETE CURB
N.T.S.

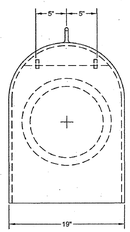
SE60 — SE60

CITY OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL PROTECTION

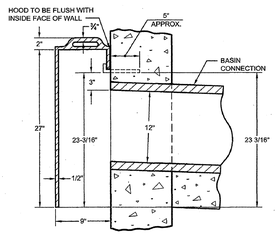
STANDARD FOR CAST IRON HOOD AND HOOKS FOR CATCH BASINS



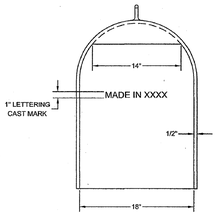
PLAN OF HOOD IN PLACE



REAR ELEVATION OF HOOD IN PLACE



SECTION OF HOOD IN PLACE



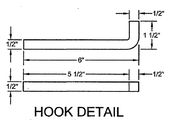
FRONT ELEVATION OF HOOD

NOTES:

(1) MATERIAL FOR HOOD: GRAY CAST IRON ASTM A-48 CLASS 35B. MINIMUM WEIGHT OF HOOD IS 140 LBS.

(2) MATERIAL FOR HOOK: 18-8 STAINLESS STEEL 1/2" SQUARE BAR STOCK TYPE 303 ASTM A-582.

(3) ALL CATCH BASIN HOODS SHALL HAVE THE MANUFACTURER'S IDENTIFICATION, CAST DATE OR HEAT NUMBER AND COUNTRY OF ORIGIN INTEGRALLY CAST ON INDIVIDUAL PIECES AT THE TIME OF MANUFACTURE IN ACCORDANCE WITH THE DEP SPECIFICATION.



HOOK DETAIL
(2 REQUIRED)

ASSISTANT COMMISSIONER, DESIGN
DEPARTMENT OF DESIGN AND CONSTRUCTION — P.E. — DATE 1/30/09

DIRECTOR OF ENGINEERING
DEPARTMENT OF ENVIRONMENTAL PROTECTION — P.E. — DATE 1/30/09

REVISED JANUARY 2002 - L. GREEN

5 MANHOLE HOOD
N.T.S.

● ISSUE DATE: ●

1	5/23/2013	PERMIT SET
2	2/3/2014	PERMIT SET ONE STORY

● REVISION DATE: ●

Stillwell Avenue Self Storage - Bldg. B

NYC DOB NB# 220333182

Stillwell Self Storage LLC
1540 Bassett Avenue
Bronx, NY

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● 12005 ●

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Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
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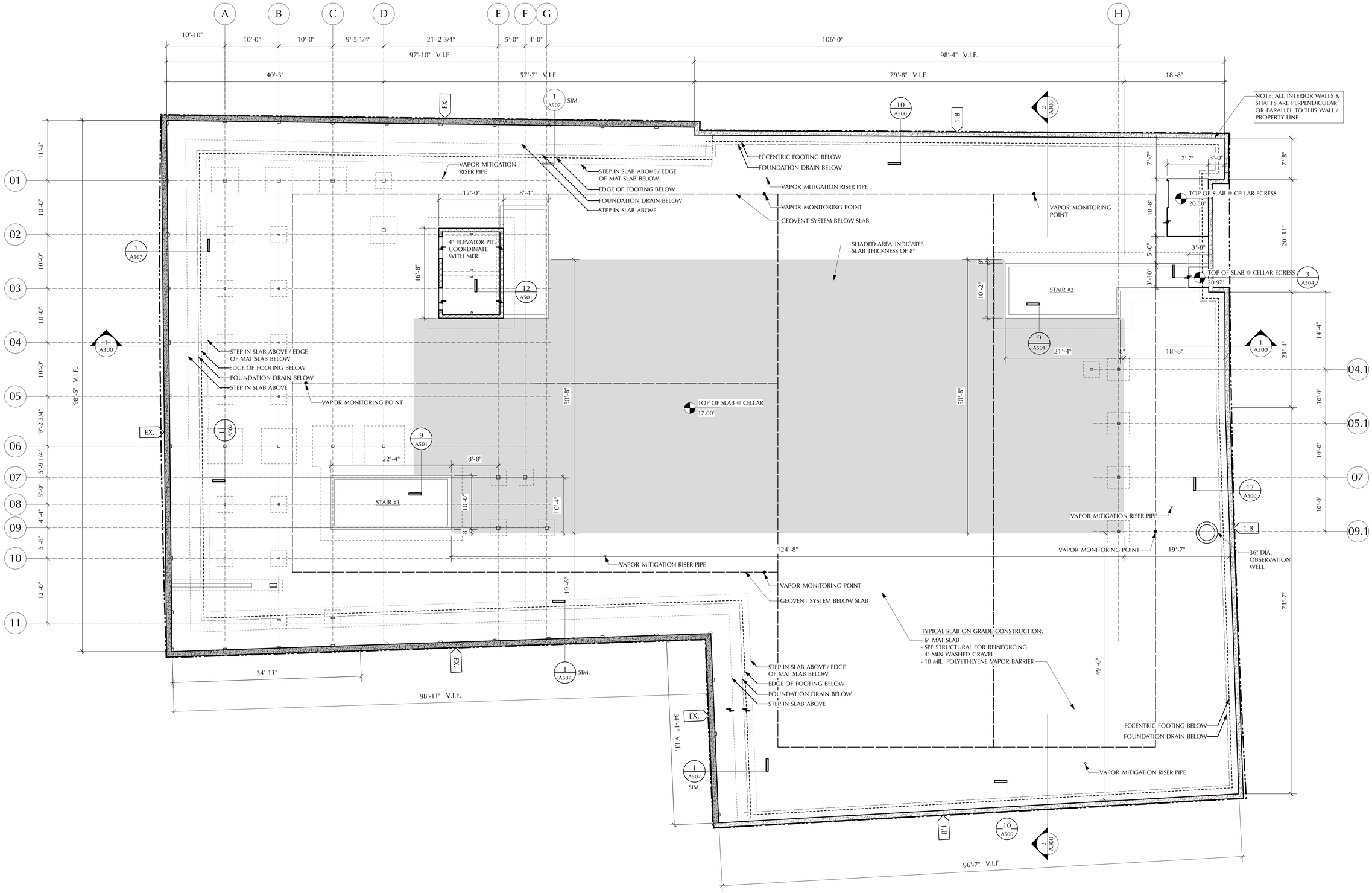

1 A-099 **Slab Plan**
Scale: 1/8" = 1'-0"

ISSUE DATE:	
1 Permit Set	05/23/13

REVISION DATE:	
2 Permit Comments #2	10/31/13

Stillwell Avenue Self Storage - Bldg. A

Stillwell Self Storage LLC
1538 Stillwell Ave.
Bronx, NY

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703-356-6771 fax: 356-7010

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SLAB PLAN

A-099.00

11041

Responsibilities

OWNER
STILLWELL SELF STORAGE LLC.
20 Church Street 9th Floor
Hartford, CT 06103
CONTACT: Dean Conrad
860-525-1666 phone

CIVIL ENGINEER
LANGAN ENGINEERING & ENVIRONMENTAL SERVICES
21 Penn Plaza
New York, NY 10001-2727
CONTACT: Michael Nilson, PE
212-479-5400 phone
212-479-5444 Fax

E, M & P ENGINEER
GHT LIMITED
1010 N. Glebe Road, Suite 200
Arlington VA 22201
CONTACT: James Hansen
703-243-1200 phone
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BUTZ•WILBERN LTD.
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STRUCTURAL ENGINEER
O'DONELL & NACCARATO
111 S. Independence Mall East Suite 950
Philadelphia, PA 19106
CONTACT: Brian Rawlings
215-925-3788 phone

PERMIT EXPEDITOR
JAM CONSULTANTS
104 West 29th Street 9th Flr.
New York, NY 10001
CONTACT: Muriel Henriquez
212-244-4427 phone
212-244-4497 fax

TR-1 Controlled Inspections

Y	N	SPECIAL INSPECTIONS ITEMS		CODE SECTION
	X	Flood Zone Compliance		BC G105
X		Fire Alarm Test		BC 907, BC 1704.13
	X	Photoluminescent Exit Path Markings	TR7	BC 1026.11
	X	Emergency Power Systems (Generators)		BC 1704.13, BC 2702
X		Structural Steel - Welding		BC 1704.3.1
X		Structural Steel - Erection & Bolting		BC 1704.3.2, BC 1704.3.3
	X	Structural Cold-Formed Steel		BC 1704.3.4
X		Concrete - Cast-In-Place		BC 1704.4
	X	Concrete - Precast		BC 1704.4
	X	Concrete - Prestressed		BC 1704.4
X		Masonry		BC 1704.5
	X	Wood - Off-Site fabrication of Structural Elements		BC 1704.6
	X	Wood - Installation of High-Load Diaphragms		BC 1704.6.1
	X	Wood - Installation of Metal-Plate-Connected Trusses		BC 1704.6.3
	X	Wood - Installation of Prefabricated I-Joists		BC 1704.6.4
X		Soils - Site Preparation		BC 1704.7.1
	X	Soils - Fill placement & In-Place Density		BC 1704 .7.2, BC 1704.7.3
X		Soils - Investigations (Borings/Test Pits)	TR4	BC 1704.7.4
	X	Pile Foundations & Drilled Pier Installation	TR5	BC 1704.8
	X	Pier Foundations		BC 1704.9
X		Wall Panels, Curtain Walls, and Veneers		BC 1704.10
X		Sprayed Fire-Resistant Materials		BC 1704.11
	X	Exterior Insulation Finish Systems (EIFS)		BC 1704.12
	X	Alternative Materials - OTCR Buildings Bulletin # _____		BC 1704.13
	X	Smoke Control Systems		BC 1704.14
X		Mechanical Systems		BC 1704.15
	X	Fuel-Oil Storage and Fuel-Oil Piping Systems		BC 1704.16
	X	High-Pressure Steam Piping (Welding)		BC 1704.17
	X	Fuel-Gas Piping (Welding)		BC 1704.18
X		Structural Safety - Structural Stability		BC 1704.19
	X	Mechanical Demolition		BC 1704.19, BC 3306.6
X		Excavation - Sheeting, Shoring, and Bracing		BC 1704.19, BC 3304.4.1
	X	Soil Percolation Test - Drywell		BC 1704.20.1
	X	Raising and Moving of a Building		BC 1704.19, BC 1704.27
	X	Soil Percolation Test - Septic		BC 1704.20.1
X		Site Storm Drainage Disposal and Detention System Installation		BC 1704.20
	X	Septic System Installation		BC 1704.20
X		Sprinkler Systems		BC 1704.21
X		Standpipe Systems		BC 1704.22
X		Heating Systems		BC 1704.23
X		Firestop, Draftstop, and Fireblock systems		BC 1704.25
	X	Aluminum Welding		BC 1704.26
	X	Seismic Isolation Systems		BC 1707.8
X		Concrete Test Cylinders	TR2	BC 1905.6
	X	Concrete Design Mix	TR3	BC 1905.3

Y	N	PROGRESS INSPECTIONS ITEMS		CODE SECTION
X		Preliminary		28-116.2.1, BC 109.2
X		Footing and Foundation		BC 109.3.1
	X	Lowest Floor Elevation (attach FEMA form)		BC 109.3.2
X		Frame Inspection		BC 109.3.3
X		Energy Code Compliance Inspections	TR8	BC 109.3.5
X		Fire-Resistance Rated Construction		BC 109.3.4
	X	Public Assembly Emergency Lighting		28-116.2.2
	X	Final		28-116.2.4.2, BC 109.5, Directive 14 of 1975, and 1 RCNY §101-10

Vicinity Map

TR-8 Energy Code Progress Inspections

Y	N	ENERGY CODE PROGRESS INSPECTIONS	Table Reference in 1RCNY 5000-01 (h) (1) and (2)
X		Protection of foundation insulation	(IA1),(IIA1)
X		Insulation placement and R values	(IA2),(IIA2)
X		Fenestration thermal values and ratings	(IA3),(IIA3)
X		Fenestration ratings for air leakage	(IA4),(IIA4)
X		Fenestration areas	(IA5),(IIA5)
X		Air sealing and insulation - Visual	(IA6),(IIA6)
	X	Air sealing and insulation - Testing	(IA7)
	X	Projection factors	(IIA7)
X		Loading deck weather seals	(IIA8)
	X	Vestibules	(IIA9)
	X	Fireplaces	(IB1),(IIB1)
X		Dampers integral to building envelope	(IB2),(IIB2)
X		HVAC and service water heating equipment	(IB3),(IIB3)
X		HVAC and service water heating system controls	(IB4),(IIB4)
X		Duct plenum and piping insulation and sealing	(IB5),(IIB5)
X		Duct leakage testing	(IB6),(IIB6)
X		Electrical metering	(IC1),(IIC1)
	X	Lighting in dwelling units	(IC2),(IIC2)
X		Interior lighting power	(IIC3)
X		Exterior lighting power	(IIC4)
X		Lighting controls	(IIC5)
X		Exit signs	(IIC6)
	X	Tandem wiring	(IIC7)
X		Electrical motors	(IIC8)
X		Maintenance information	(IID1),(IID1)
X		Permanent certificate	(ID2)

List Of Separate App.

- CURB CUT
- EXTERIOR SIGNS ILLUMINATED & NON-ILLUMINATED
- SPRINKLER
- STANDPIPE SYSTEM
- FIRE ALARM SYSTEM
- BUILDERS PAVEMENT PLAN
- SD 1 & 2 ELEVATORS
- FIRE PROTECTION PLAN (FPP)

Energy Compliance Note.

TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE.

Building Code Analysis

(for zoning analysis see sheets Z001.00 - Z003.00)

DESCRIPTION OF A NEW SELF STORAGE WAREHOUSE FACILITY
Three story new self storage facilty with cellar composed of bearing wall structure at 10'± centers supporting non composite metal floor deck with concrete fill and a TPO membrane roof. Exterior skin will be insulated metal panel with metal stud wall structure with corrugated metal siding at the parapet

APPLICABLE CODES
CITY OF NEW YORK 2008 BUILDING CODES
2011 NEW YORK CITY ENERGY CONSERVATION CODE

CONSTRUCTION TYPE: II-B

BUILDING CODE OCCUPANCY : S-1 (MODERATE-HAZARD STORAGE)
NONSEPARATED MIX USE GROUPS :
'B' - OFFICE (@ 1ST. FLOOR)

ZONING CODE OCCUPANCY : 16D - WAREHOUSE

BUILDING AREA: 22,258 SF F.A.R. AREA PROPOSED
45,500 SF TOTAL BUIDLING AREA PROPOSED
(Also see Zoning Area Calculations on Z-002)

BUILDING HEIGHT: 41'-0" / 3 STORIES PROPOSED

FIRE SUPPRESSION SYSTEM: **FULLY SPRINKLERED** PER NFPA 13 & LOCAL CODE

PROPOSED AREA	S-1 (STORAGE)	B (OFFICE)
BASEMENT STORAGE	90 SF	N/A
1ST. FLR. STORAGE	7,505 SF	947 SF
2ND. FLR. STORAGE	6,858 SF	N/A
3RD. FLR. STORAGE	6,858 SF	N/A
TOTAL AREA	21,311 SF	947 SF

TOTAL ZONING AREA (S-1 + B) = 22,258 SF
Loading Area (NIC) = 1,200 SF
Cellar Storage Area (NIC) = 22,042 SF
TOTAL BUILDING AREA = 45,500 SF

AREA AND HEIGHT PER TABLE 503
AREA ALLOWED FOR S-1 TYPE II-B CONSTRUCTION = 7,500 SF
+200% AREA INCREASE FOR SPRINKLER = 15,000 SF
TOTAL AREA AREA ALLOWED PER FLOOR = 22,500 SF X 3 = 67,500 SF MAX
45,500 SF PROPOSED - COMPLIES

HEIGHT ALLOWED FOR S-1 TYPE II-B CONSTRUCTION = 55' & 3 STORIES
3STORY BUILDING PROPOSED - COMPLIES
41' TALL BUILDING PROPOSED - COMPLIES

FOR EGRESS OCCUPANT LOAD CALCULATIONS SEE SHEET A-030.00

MAX. EXIT ACCESS DISTANCE: 200 FT. PER 1015.1

NUMBER OF EXITS REQUIRED: 2 FOR S-1

EXIT LOCATIONS: 1/3 OF THE MAX. OVERALL DIAGONAL DISTANCE

DEAD ENDS: 20'-00" OR NOT TO EXCEED 2.5 TIMES LEAST WIDTH OF DEAD END CORRIDOR (PER SECTION 1016.3 Exception #3)

FIRE RESISTANCE RATING REQUIREMENTS

	REQUIRED	PROPOSED
NON BEARING EXTERIOR WALLS (TABLE 601 & 602)		
Fire Separation Distance <5'	2 HR	2 HR
Fire Separation Distance > 5' to <10'	1HR	1 HR
Fire Separation Distance > 10' to <30'	1 HR	1HR
Fire Separation Distance >30'	0 HR	0 HR
STRUCTURAL FRAME (TABLE 601)		
Including Columns, Girders , trusses	0 HR	0 HR
BEARING WALLS (TABLE 601 & 602)		
Exterior (Fire Separation Distance > 10' to <30')	1 HR	1 HR
Interior	0 HR	0 HR
NONBEARING WALLS & PARTITIONS (TABLE 601)		
Interior	0 HR	0 HR
FLOOR CONSTRUCTION (TABLE 601)		
Including supporting beams and joists	0 HR	0 HR
ROOF CONSTRUCTION (TABLE 601)		
Including supporting beams and joists	0 HR	0 HR
SHAFT ENCLOSURES (SECTION 707.4)	2 HR	2 HR

WATER & SEWER
NEW CONNECTIONS TO WATER AND SEWER PER PLUMBING DRAWINGS

3

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	A-002.00	2	PLOT PLAN	•
	Z-001.00	3	ZONING ANALYSIS	•
	Z-002.00	4	ZONING ANALYSIS	•
	Z-003.00	5	ZONING ANALYSIS	•
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	A-040.00	7	SECURITY PLANS	•
	A-041.00	8	SECURITY PLANS	•
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	A-070.00	12	WALL TYPES	•
	A-080.00	13	DOOR, WINDOW & FINISH SCHEDULES	•
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	A-100.00	15	CELLAR PLAN	•
	A-101.00	16	FIRST FLOOR PLAN	•
	A-102.00	17	SECOND FLOOR PLAN	•
	A-103.00	18	THIRD FLOOR PLAN	•
	A-104.00	19	ROOF PLAN	•
ELEVATIONS	A-200.00	20	BUILDING ELEVATIONS	•
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	A-402.00	25	OFFICE INTERIOR ELEVATIONS	•
	A-403.00	26	OFFICE INTERIOR ELEVATIONS	•
	A-404.00	27	OFFICE INTERIOR ELEVATIONS	•
	A-410.00	28	STAIR BLOW UP PLANS & SECTION	•
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	A-412.00	30	TYPICAL STAIR DETAILS	•
	A-420.00	31	ELEVATOR BLOW UP PLANS	•
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	A-502.00	35	DETAILS	•
	A-503.00	36	DETAILS	•
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	A-505.00	38	DETAILS	•
	A-506.00	39	DETAILS	•
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PLANS	S-100.00	1	FOUNDATION / CELLAR PLAN	•
	S-101.00	2	FIRST FLOOR / LOWER ROOF FRAMING PLAN	•
	S-102.00	3	SECOND FLOOR FRAMING PLAN	•
	S-103.00	4	THIRD FLOOR FRAMING PLAN	•
	S-104.00	5	ROOF FRAMING PLAN	•
DETAILS	S-200.00	6	DETAILS	•
	S-201.00	7	TYPICAL DETAILS & SCHEDULES	•
	S-202.00	8	NOTES	•
	S-300.00	9	DETAILS	•
MECHANICAL				
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	M-101.00	3	FIRST FLOOR PLAN	•
	M-102.00	4	SECOND FLOOR PLAN	•
	M-103.00	5	THIRD FLOOR PLAN	•
	M-104.00	6	ROOF PLAN	•
	M-400.00	7	OFFICE PLAN	•
DETAILS	M-500.00	8	DETAILS	•
	M-600.00	9	SCHEDULES	•
	EN-001.00	10	ENERGY COMPLIANCE FORMS	•
ELECTRICAL				
	E-001.00	1	ELECTRICAL COVER SHEET	•
PLANS	E-100.00	2	CELLAR LEVEL PLAN	•
	E-101.00	3	FIRST FLOOR PLAN	•
	E-102.00	4	SECOND FLOOR PLAN	•
	E-103.00	5	THIRD FLOOR PLAN	•
	E-104.00	6	ROOF POWER PLAN	•
	E-400.00	7	PART PLAN SHEET	•
DETAILS	E-500.00	8	DETAIL SHEET	•
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PLUMBING				
	P-001.00	1	PLUMBING COVER SHEET	•
PLANS	P-100.00	2	CELLAR LEVEL PLAN	•
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	P-102.00	4	SECOND FLOOR PLAN	•
	P-103.00	5	THIRD FLOOR PLAN	•
	P-104.00	6	ROOF PLAN	•
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DETAILS	P-500.00	8	DETAIL SHEET	•
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	P-601.00	10	RISER SHEET	•
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	VM- 1	1	SUB SLAB VENTING SYSTEM GENERAL ARRANGEMENT	•
	VM- 2	2	DETAILS	•
	VM- 3	3	DETIALS	•

ISSUE DATE:
1 Permit Set 05/23/13

REVISION DATE:
2 Permit Comments #2 10/31/13
3 Permit Commens #3 12/13/13

Stillwell Avenue Self Storage - Bldg. A

Stillwell Self Storage LLC
1538 Stillwell Ave.
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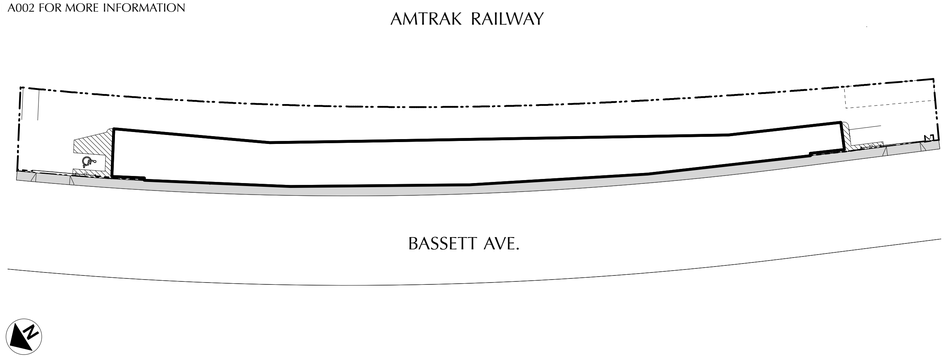
COVER SHEET

A-001.00

11041

Architectural Site Plan

SEE PLOT PLAN A002 FOR MORE INFORMATION



SCALE: 1" = 40'-0"

TR-1 Controlled Inspections

Y	N	SPECIAL INSPECTIONS		CODE SECTION
	X	Flood Zone Compliance		BC G105
X		Fire Alarm Test		BC 907, BC 1704.13
	X	Photoluminescent Exit Path Markings	_ TR7	BC 1026.11
	X	Emergency Power Systems (Generators)		BC 1704.13, BC 2702
	X	Structural Steel - Welding		BC 1704.3.1
	X	Structural Steel - Erection & Bolting		BC 1704.3.2, BC 1704.3.3
X		Structural Cold-Formed Steel		BC 1704.3.4
X		Concrete - Cast-In-Place		BC 1704.4
	X	Concrete - Precast		BC 1704.4
	X	Concrete - Prestressed		BC 1704.4
	X	Masonry		BC 1704.5
	X	Wood - Off-Site fabrication of Structural Elements		BC 1704.6
	X	Wood - Installation of High-Load Diaphragms		BC 1704.6.1
	X	Wood - Installation of Metal-Plate-Connected Trusses		BC 1704.6.3
	X	Wood - Installation of Prefabricated I-Joists		BC 1704.6.4
X		Soils - Site Preparation		BC 1704.7.1
	X	Soils - Fill placement & In-Place Density		BC 1704 .7.2, BC 1704.7.3
X		Soils - Investigations (Borings/Test Pits)	_ TR4	BC 1704.7.4
	X	Pile Foundations & Drilled Pier Installation	_ TR5	BC 1704.8
	X	Pier Foundations		BC 1704.9
X		Wall Panels, Curtain Walls, and Veneers		BC 1704.10
	X	Sprayed Fire-Resistant Materials		BC 1704.11
	X	Exterior Insulation Finish Systems (EIFS)		BC 1704.12
	X	Alternative Materials - OTCR Buildings Bulletin # _____		BC 1704.13
	X	Smoke Control Systems		BC 1704.14
	X	Mechanical Systems		BC 1704.15
	X	Fuel-Oil Storage and Fuel-Oil Piping Systems		BC 1704.16
	X	High-Pressure Steam Piping (Welding)		BC 1704.17
	X	Fuel-Gas Piping (Welding)		BC 1704.18
X		Structural Safety - Structural Stability		BC 1704.19
	X	Mechanical Demolition		BC 1704.19, BC 3306.6
	X	Excavation - Sheeting, Shoring, and Bracing		BC 1704.19, BC 3304.4.1
	X	Soil Percolation Test - Drywell		BC 1704.20.1
	X	Raising and Moving of a Building		BC 1704.19, BC 1704.27
	X	Soil Percolation Test - Septic		BC 1704.20.1
X		Site Storm Drainage Disposal and Detention System Installation		BC 1704.20
	X	Septic System Installation		BC 1704.20
X		Sprinkler Systems		BC 1704.21
	X	Standpipe Systems		BC 1704.22
	X	Heating Systems		BC 1704.23
	X	Firestop, Draftstop, and Fireblock systems		BC 1704.25
	X	Aluminum Welding		BC 1704.26
	X	Seismic Isolation Systems		BC 1707.8
X		Concrete Test Cylinders	_ TR2	BC 1905.6
X		Concrete Design Mix	_ TR3	BC 1905.3

Y	N	PROGRESS INSPECTIONS ITEMS		CODE SECTION
X		Preliminary		28-116.2.1, BC 109.2
X		Footing and Foundation		BC 109.3.1
	X	Lowest Floor Elevation (attach FEMA form)		BC 109.3.2
X		Frame Inspection		BC 109.3.3
	X	Energy Code Compliance Inspections	_ TR8	BC 109.3.5
	X	Fire-Resistance Rated Construction		BC 109.3.4
	X	Public Assembly Emergency Lighting		28-116.2.2
X		Final		28-116.2.4.2, BC 109.5, Directive 14 of 1975, and 1 RCNY §101-10

Responsibilities

OWNER
STILLWELL SELF STORAGE LLC.
20 Church Street 9th Floor
Hartford, CT 06103
CONTACT: Dean Conrad
860-525-1666 phone

CIVIL ENGINEER
LANGAN ENGINEERING
21 Penn Plaza
New York, NY 10001-2727
CONTACT: Michael Nilson, PE
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212-479-5444 Fax

E, M & P ENGINEER
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CONTACT: James Hansen
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Philadelphia, PA 19106
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215-925-3788 phone

PERMIT EXPEDITOR
JAM CONSULTANTS
104 West 29th Street 9th Flr.
New York, NY 10001
CONTACT: Muriel Henriquez
212-244-4427 phone
212-244-4497 fax

TR-8 Energy Code Progress Inspections

Y	N	ENERGY CODE PROGRESS INSPECTIONS	Table Reference in 1RCNY 5000-01 (h) (1) and (2)
	X	Protection of foundation insulation	(IA1),(IIA1)
	X	Insulation placement and R values	(IA2),(IIA2)
	X	Fenestration thermal values and ratings	(IA3),(IIA3)
	X	Fenestration ratings for air leakage	(IA4),(IIA4)
	X	Fenestration areas	(IA5),(IIA5)
	X	Air sealing and insulation - Visual	(IA6),(IIA6)
	X	Air sealing and insulation - Testing	(IA7)
	X	Projection factors	(IIA7)
	X	Loading deck weather seals	(IIA8)
	X	Vestibules	(IIA9)
	X	Fireplaces	(IB1),(IIB1)
	X	Dampers integral to building envelope	(IB2),(IIB2)
	X	HVAC and service water heating equipment	(IB3),(IIB3)
	X	HVAC and service water heating system controls	(IB4),(IIB4)
	X	Duct plenum and piping insulation and sealing	(IB5),(IIB5)
	X	Duct leakage testing	(IB6),(IIB6)
X		Electrical metering	(IC1),(IIC1)
	X	Lighting in dwelling units	(IC2),(IIC2)
X		Interior lighting power	(IIC3)
X		Exterior lighting power	(IIC4)
X		Lighting controls	(IIC5)
X		Exit signs	(IIC6)
	X	Tandem wiring	(IIC7)
X		Electrical motors	(IIC8)
	X	Maintenance information	(ID1),(IID1)
X		Permanent certificate	(ID2)

Energy Compliance Note.

THIS IS A NON-HEATED STORAGE BUILDING THUS IT IS NOT FULLY INSULATED THEREFORE ENERGY CODE COMPLIANCE IS NOT APPLICABLE.

Building Code Analysis

(for zoning analysis see sheets Z001.00 - Z003.00)

DESCRIPTION OF A NEW SELF STORAGE FACILITY
One story new self storage facilty composed of bearing wall structure at
10'± centers supporting non composite metal floor deck
with concrete fill and a TPO membrane roof. Exterior skin will be insulated metal panel

APPLICABLE CODES
CITY OF NEW YORK 2008 BUILDING CODES
2011 NEW YORK CITY ENERGY CONSERVATION CODE

CONSTRUCTION TYPE: II-B

BUILDING CODE OCCUPANCY : S-1 (MODERATE-HAZARD STORAGE)

BUILDING CODE OCCUPANCY : 16D WAREHOUSE

BUILDING AREA: 9,271 SF F.A.R. AREA PROPOSED
9,271 SF TOTAL BUIDLING AREA PROPOSED
(Also see Zoning Area Calculations on Z-002)

BUILDING HEIGHT: 15'-6" / 1 STORY PROPOSED

FIRE SUPPRESSION SYSTEM: **FULLY SPRINKLERED** PER NFPA 13 & LOCAL CODE

PROPOSED AREA	S-1 (STORAGE)
1ST. FLR. STORAGE	9,271 SF
TOTAL AREA	9,271 SF

AREA AND HEIGHT PER TABLE 503
AREA ALLOWED FOR S-1 TYPE II-B CONSTRUCTION = 7,500 SF
+200% AREA INCREASE FOR SPRINKLER = 15,000 SF
TOTAL AREA AREA ALLOWED PER FLOOR = 22,500 SF X 2 = 45,000 SF MAX
9,271 SF PROPOSED

HEIGHT ALLOWED FOR S-1 TYPE II-B CONSTRUCTION = 55' & 3 STORIES
1 STORY BUILDING PROPOSED - COMPLIES
15'-6" TALL BUILDING - COMPLIES

FIRE RESISTANCE RATING REQUIREMENTS

	REQUIRED	PROPOSED
NON BEARING EXTERIOR WALLS (TABLE 601 & 602)		
Fire Separation Distance <5'	2 HR	N/A
Fire Separation Distance > 5' to <10'	1HR	N/A
Fire Separation Distance > 10' to <30'	1 HR	N/A
Fire Separation Distance >30'	0 HR	0 HR
STRUCTURAL FRAME (TABLE 601)		
Including Columns, Girders , trusses	0 HR	0 HR
BEARING WALLS (TABLE 601 & 602)		
Exterior (Fire Separation Distance > 10' to <30')	1 HR	N/A
Interior	0 HR	0 HR
NONBEARING WALLS & PARTITIONS (TABLE 601)		
Interior	0 HR	0 HR
FLOOR CONSTRUCTION (TABLE 601)		
Including supporting beams and joists	0 HR	0 HR
ROOF CONSTRUCTION (TABLE 601)		
Including supporting beams and joists	0 HR	0 HR
SHAFT ENCLOSURES (SECTION 707.4)	1 HR	N/A

WATER & SEWER
NEW CONNECTIONS TO WATER AND SEWER PER PLUMBING DRAWINGS

Vicinity Map

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	A-002.00	2	PLOT PLAN	•	•
	Z-001.00	3	ZONING ANALYSIS	•	•
	Z-002.00	4	ZONING ANALYSIS	•	•
	Z-003.00	5	ZONING ANALYSIS	•	•
	A-040.00	6	SECURITY PLAN	•	•
	A-070.00	7	WALL TYPES	•	•
	A-080.00	8	DOOR & FINISH SCHEDULES	•	•
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	A-101.00	10	SLAB/1ST FLOOR/ROOF PLANS	•	•
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DETAILS	A-500.00	13	DETAILS	•	•
STRUCTURAL					
PLANS	S-100.00		FOUNDATION PLAN	•	•
	S-101.00		ROOF FRAMING PLAN	•	•
DETAILS	S-200.00		DETAILS	•	•
	S-201.00		TYPICAL DETAILS & SCHEDULES	•	•
	S-202.00		GENERAL NOTES	•	•
	S-300.00		DETAILS	•	•
ELECTRICAL					
	E-001.00	1	ELECTRICAL COVER SHEET	•	•
PLANS	E-101.00	2	FLOOR PLANS	•	•
	E-400.00	3	PARTIAL PLANS	•	•
DETAILS	E-500.00	4	DETAILS	•	•
	E-600.00	5	RISER DIAGRAMS	•	•
PLUMBING					
	P-001.00	1	PLUMBING COVER SHEET	•	•
PLANS	P-101.00	2	FLOOR PLANS	•	•
DETAILS	P-500.00	3	DETAILS & RISER DIAGRAM	•	•

Symbols

- REFERENCE ELEVATION
- REVISION NUMBER AREA REVISED
- AREA SHOWN IN DETAIL
- DOOR SYMBOL
- WALL TYPE
- END OF PARTIAL SECTION
- INTERIOR ELEVATION MARK (SHEET DRAWN ON INTERIOR ELEVATION NUMBER)
- (SHEET DRAWN ON SHEET KEYED FROM)
- BEGIN/END SECTION (SHEET DRAWN ON SHEET KEYED FROM)
- PROPERTY LINE
- CENTER LINE
- STEP DOWN
- ROOM/SPACE NUMBER
- EXIT LIGHT

List Of Separate App.

- CURB CUT
- EXTERIOR SIGNS ILLUMINATED & NON-ILLUMINATED
- SPRINKLER
- BUILDERS PAVEMENT PLAN
- SD 1 & 2
- FIRE PROTECTION PLAN (FPP)

ISSUE DATE:

1	Permit Set	05/23/13
2	Permit Set 1 Story	02/03/14

REVISION DATE:

Stillwell Avenue Self Storage - Bldg. B

Stillwell Self Storage LLC
1540 Bassett Ave.
Bronx, NY

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Planning | Architecture
Interiors | Property Visioning
800 W. Broad St. Suite 363
Falls Church, Virginia 22046
703-356-6771 fax: 356-7010

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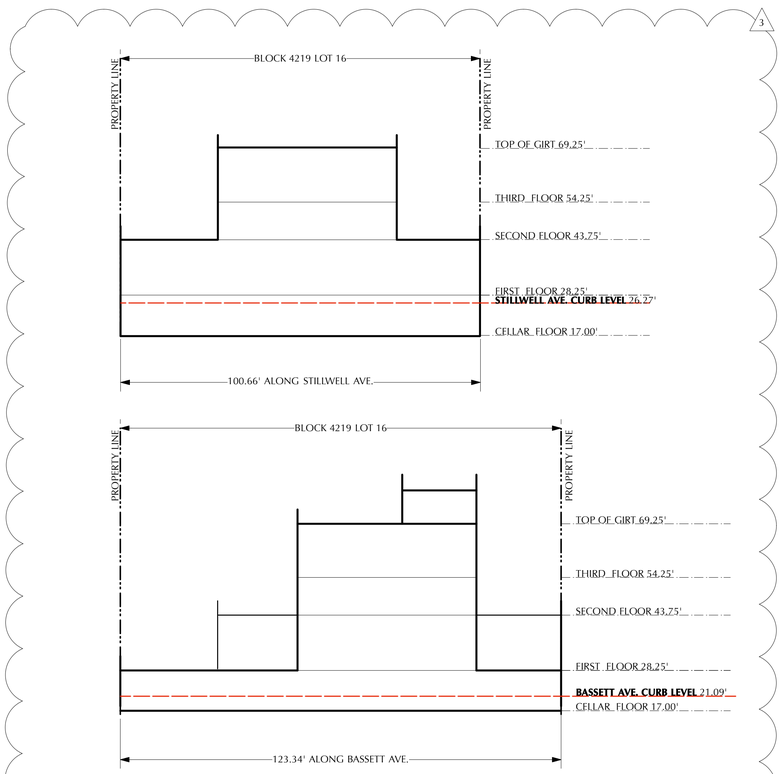
COVER SHEET

A-001.00

11041

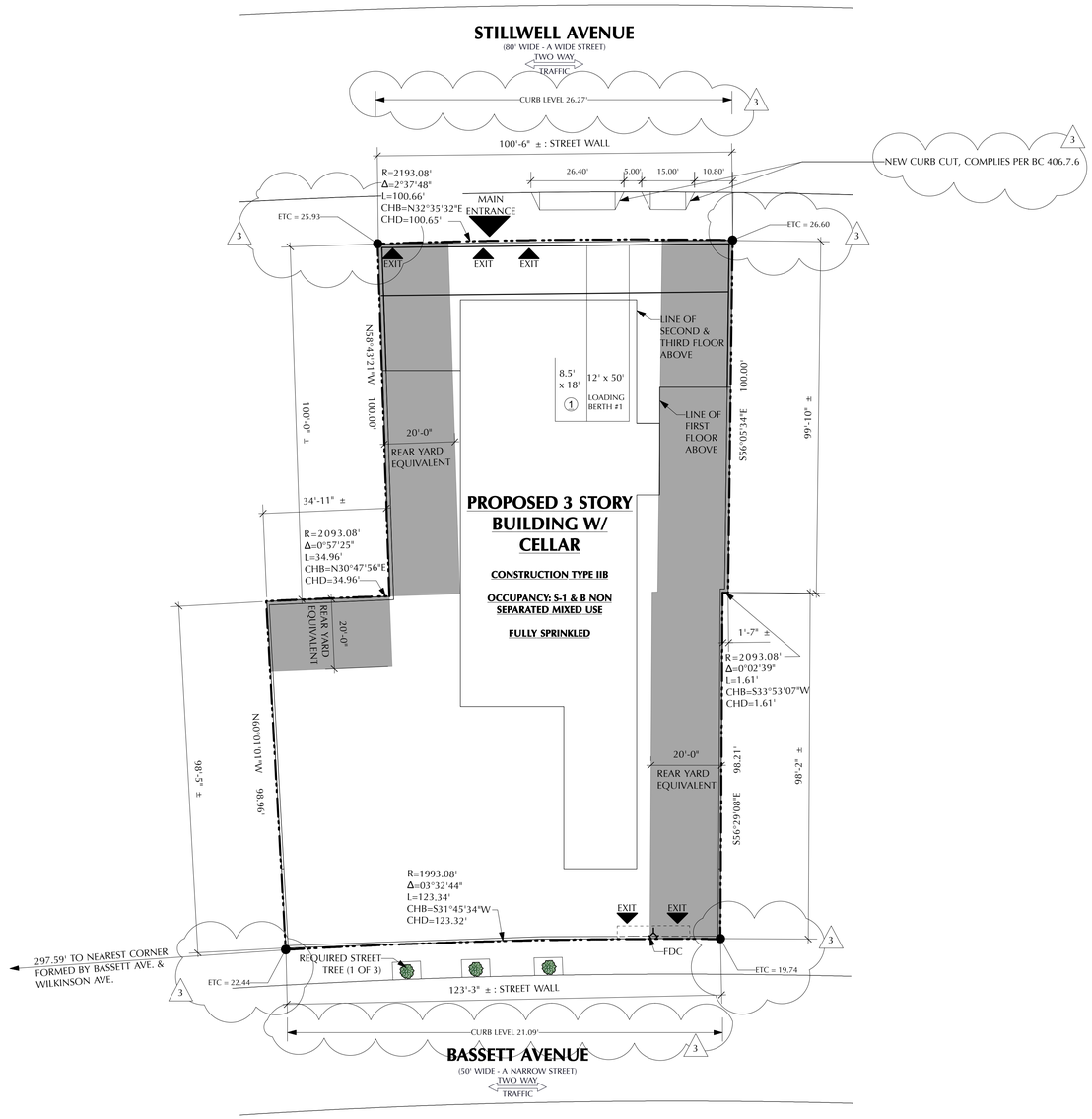


STREET FRONTAGE	CURB LEVEL (PER ZR 12_10)	FRONTAGE LENGTH
STILLWELL AVENUE	(25.93'+26.60')/2 = 26.27'	100.66'
BASSETT AVENUE	(22.44'+19.74')/2 = 21.09'	123.34'
*SEE PROVIDED SURVEY FOR VERIFICATION OF EXISTING TOP OF CURB ELEVATIONS		

2
A-002

CURB LEVEL CALCULATIONS

Scale: 1" = 20 ft



1
A-002

PLOT PLAN BLOCK 4219, LOT 16 (22,295 SF)

Scale: 1" = 20 ft

ISSUE DATE:	
1 Permit Set	05/23/13

REVISION DATE:	
1 Permit Comments	10/01/13
2 Permit Comments #2	10/31/13
3 Permit Comments #3	12/13/13

Stillwell Avenue Self Storage - Bldg. A

Stillwell Self Storage LLC
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PLOT PLAN

A-002.00

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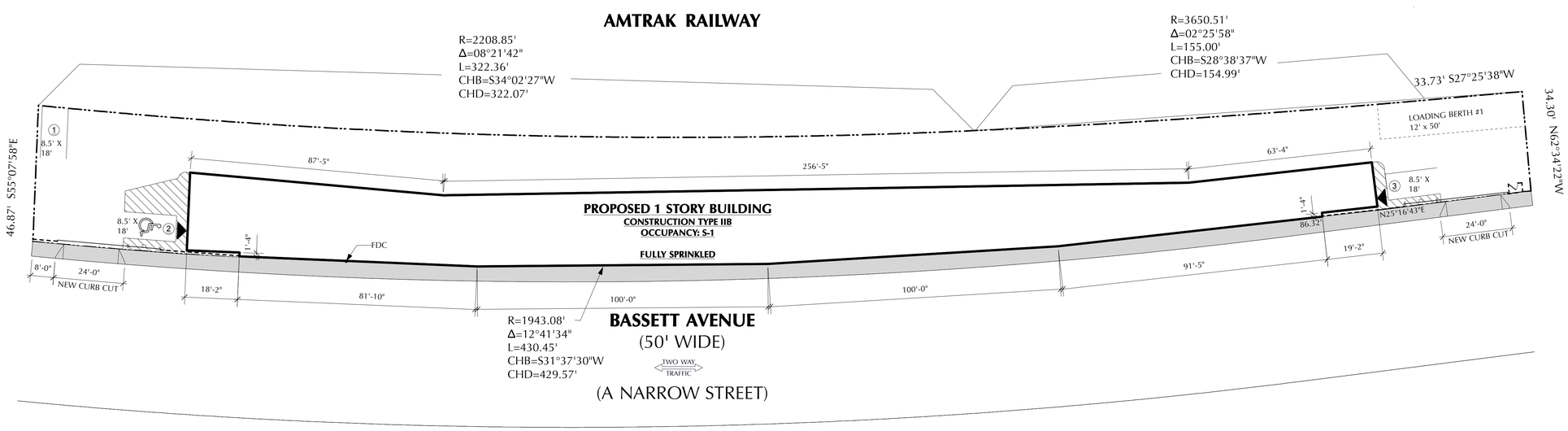

1
A-002

PLOT PLAN BLOCK 4226, LOT 290 (21,854 SF)

Scale: 1" = 20 ft

ISSUE DATE:

1	Permit Set	05/23/13
2	Permit Set 1 Story	02/03/14

REVISION DATE:

Stillwell Avenue Self Storage - Bldg. B

Stillwell Self Storage LLC
1540 Bassett Ave.
Bronx, NY

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PLOT PLAN

A-002.00

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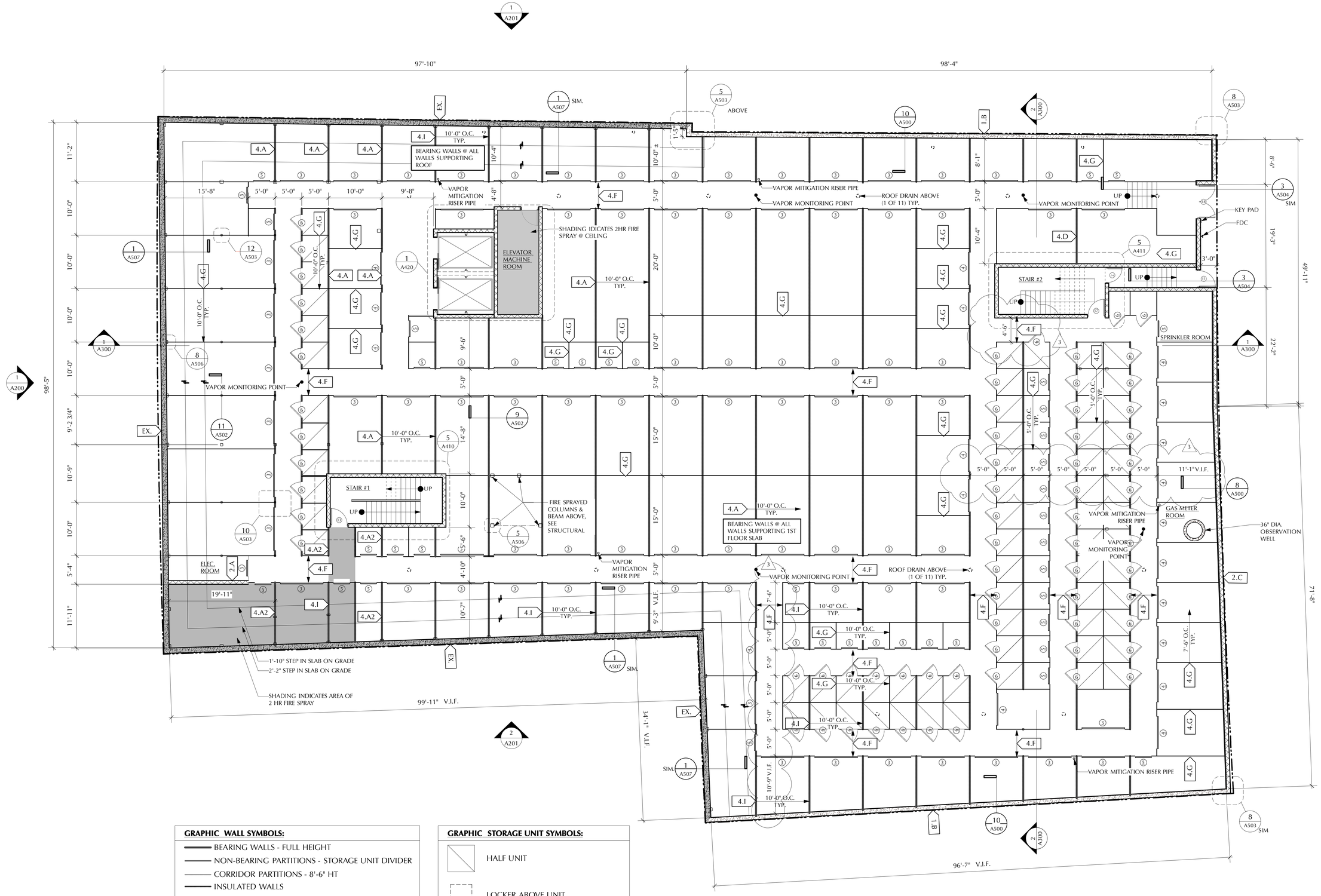

GRAPHIC WALL SYMBOLS:

- BEARING WALLS - FULL HEIGHT
- NON-BEARING PARTITIONS - STORAGE UNIT DIVIDER
- CORRIDOR PARTITIONS - 8'-6" HT
- INSULATED WALLS

PARTITION LOCATION MAY VARY SUBJECT TO DESIGN

GRAPHIC STORAGE UNIT SYMBOLS:

- HALF UNIT
- LOCKER ABOVE UNIT
- HALF UNIT WITH LOCKER ABOVE

1 / A-100 **Cellar Floor Plan**
Scale: 1/8" = 1'-0"

ISSUE DATE:

1 Permit Set 05/23/13

REVISION DATE:

2 Permit Comments #2 10/31/13
3 Permti Comments #3 12/13/13

Stillwell Avenue Self Storage - Bldg. A

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CELLAR PLAN

A-100.00

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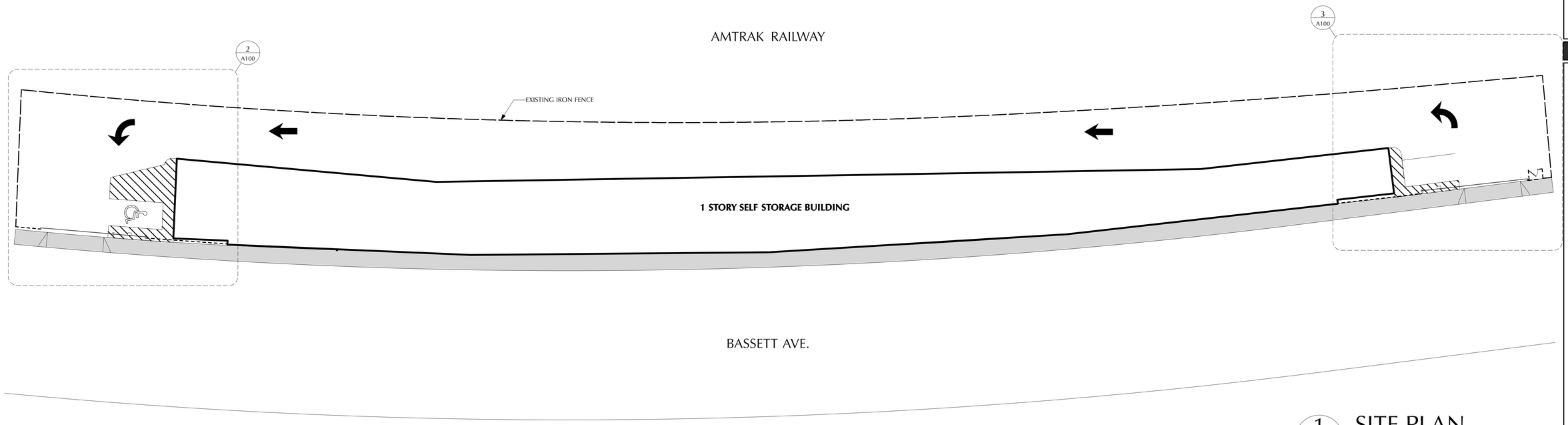
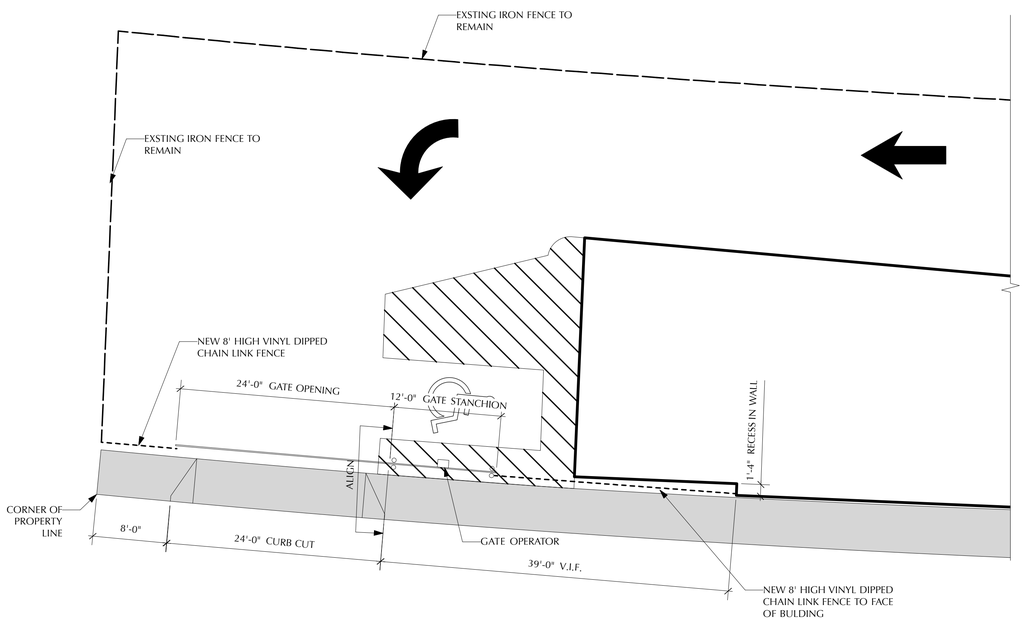
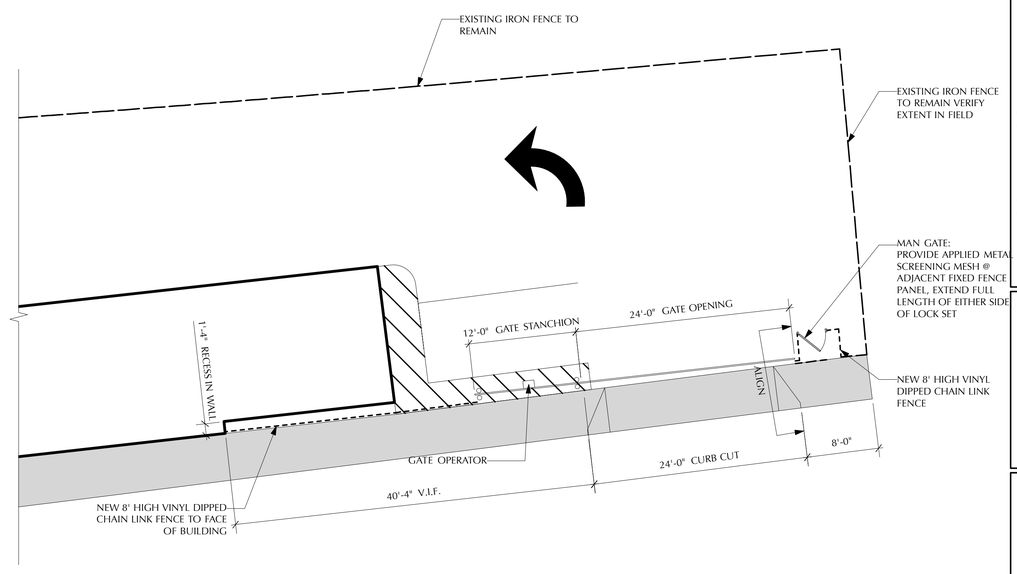


1 A-100 SITE PLAN
Scale: 1/16" = 1'-0"



2 A-100 GATE PLAN
Scale: 1/8" = 1'-0"



3 A-100 GATE PLAN
Scale: 1/8" = 1'-0"

ISSUE DATE:

1	Permit Set	05/23/13
2	Permit Set 1 Story	02/03/14

REVISION DATE:

Stillwell Avenue Self Storage - Bldg. B

Stillwell Self Storage LLC
1540 Bassett Ave.
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SITE & GATE PLANS

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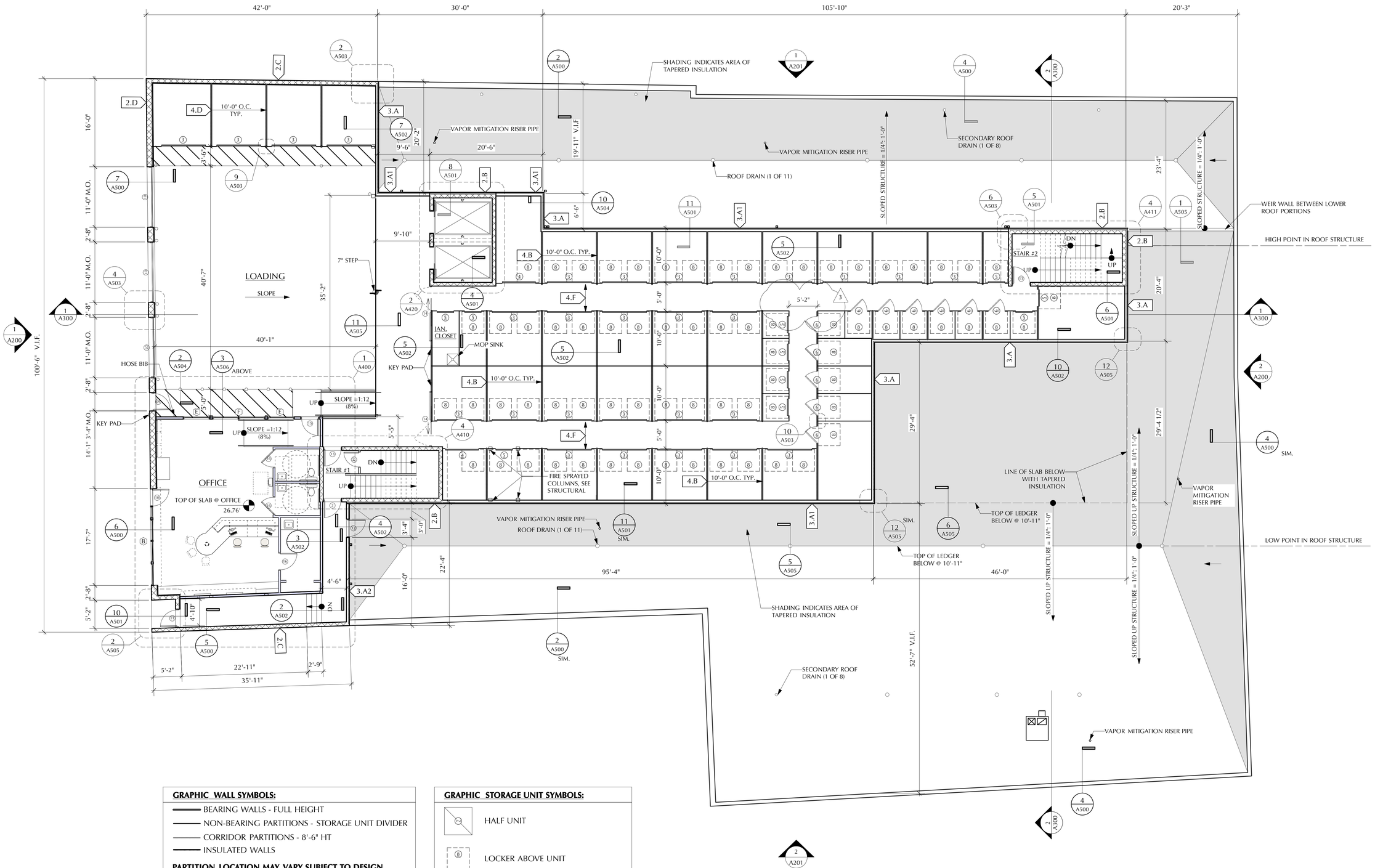

GRAPHIC WALL SYMBOLS:

- BEARING WALLS - FULL HEIGHT
- NON-BEARING PARTITIONS - STORAGE UNIT DIVIDER
- CORRIDOR PARTITIONS - 8'-6" HT
- INSULATED WALLS

PARTITION LOCATION MAY VARY SUBJECT TO DESIGN

GRAPHIC STORAGE UNIT SYMBOLS:

- HALF UNIT
- LOCKER ABOVE UNIT
- HALF UNIT WITH LOCKER ABOVE

1 A-101 **First Floor Plan**
Scale: 1/8" = 1'-0"

ISSUE DATE:

1 Permit Set 05/23/13

REVISION DATE:

2 Permit Comments #2 10/31/13
3 Permit Comments #3 12/13/13

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FIRST FLOOR PLAN

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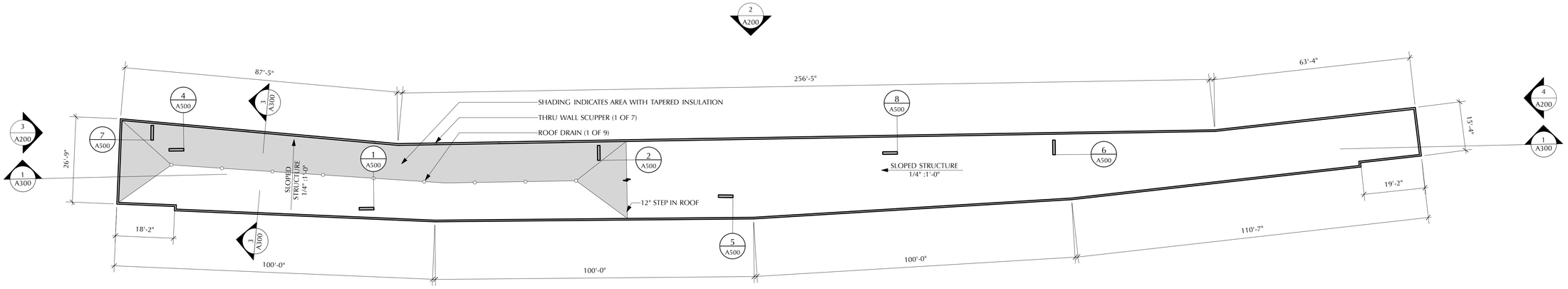
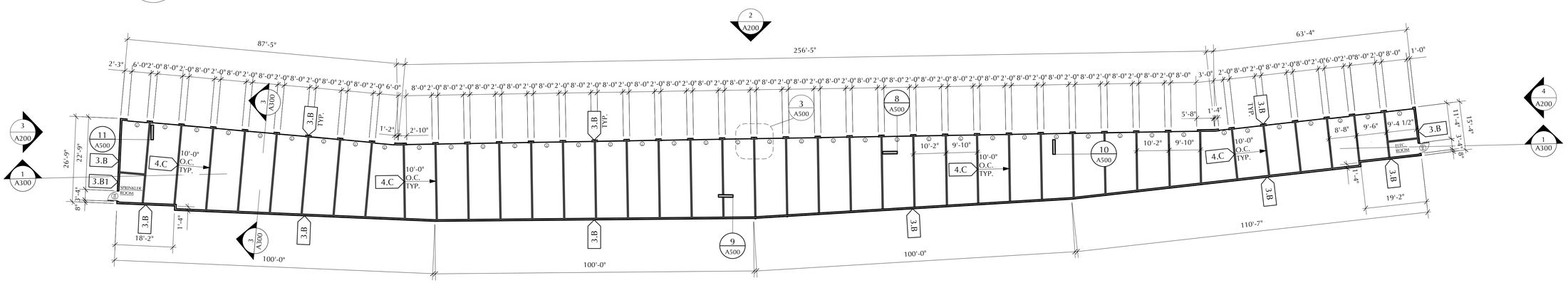


1 BUILDING B ROOF PLAN

A-102

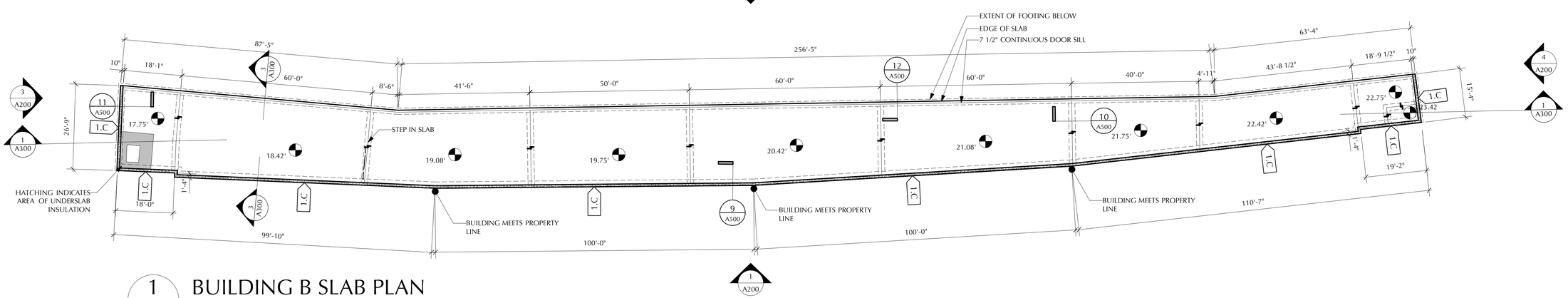
Scale: 1/16" = 1'-0"



2 BUILDING B FIRST FLOOR PLAN

A-101

Scale: 1/16" = 1'-0"



1 BUILDING B SLAB PLAN

A-101

Scale: 1/16" = 1'-0"

ISSUE DATE:

1 Permit Set 05/23/13
2 Permit Set 1 Story 02/03/14

REVISION DATE:

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SLAB/1ST FLR./ ROOF PLANS

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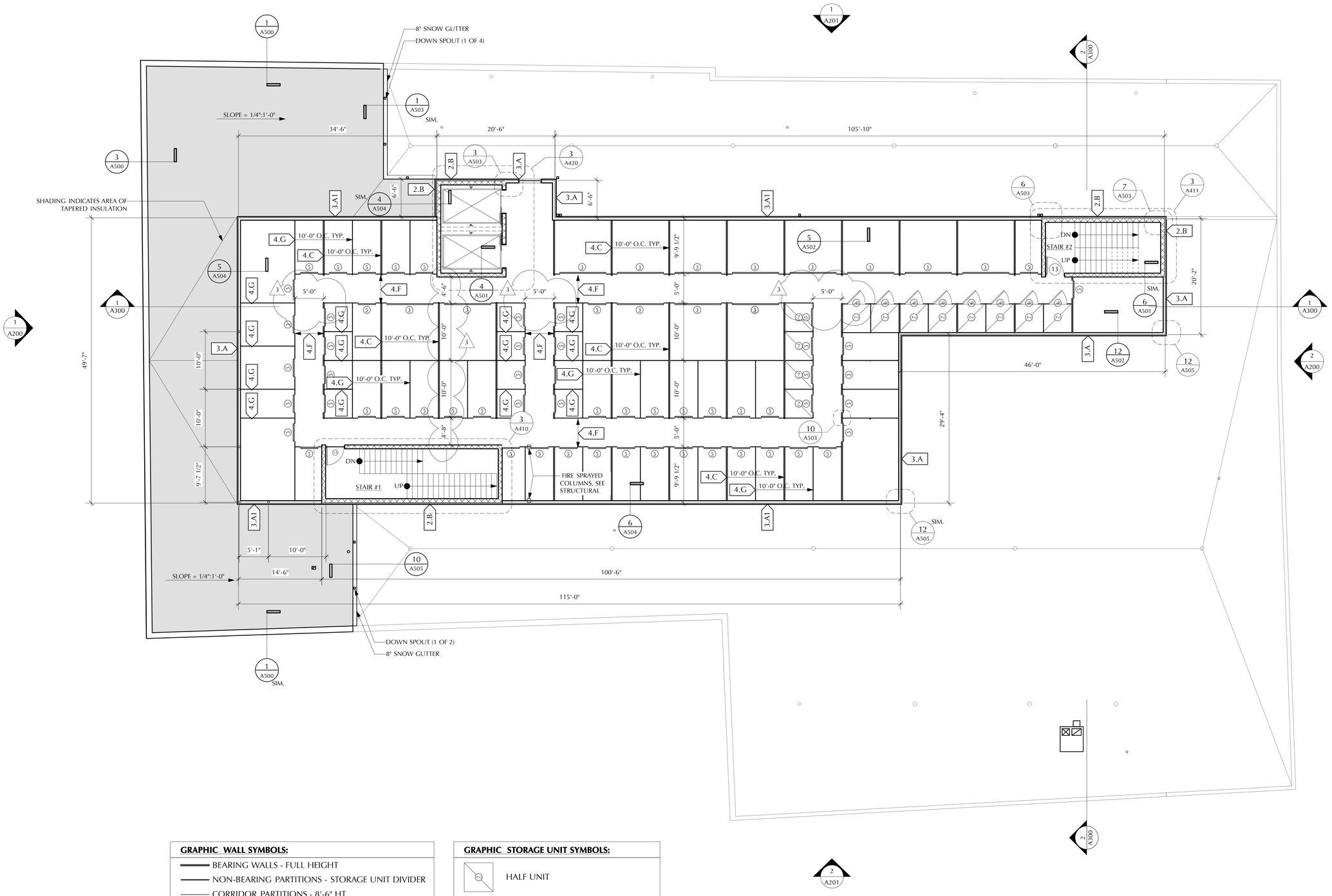

GRAPHIC WALL SYMBOLS:

- BEARING WALLS - FULL HEIGHT
- NON-BEARING PARTITIONS - STORAGE UNIT DIVIDER
- CORRIDOR PARTITIONS - 8'-6" HT
- INSULATED WALLS

PARTITION LOCATION MAY VARY SUBJECT TO DESIGN

GRAPHIC STORAGE UNIT SYMBOLS:

- HALF UNIT
- LOCKER ABOVE UNIT
- HALF UNIT WITH LOCKER ABOVE

1 / A-102 **2nd Floor Plan**
Scale: 1/8" = 1'-0"

ISSUE DATE:

1 Permit Set 05/23/13

REVISION DATE:

2 Permit Comments #2 10/31/13
3 Permit Comments #3 12/13/13

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SECOND FLOOR PLAN

A-102.00

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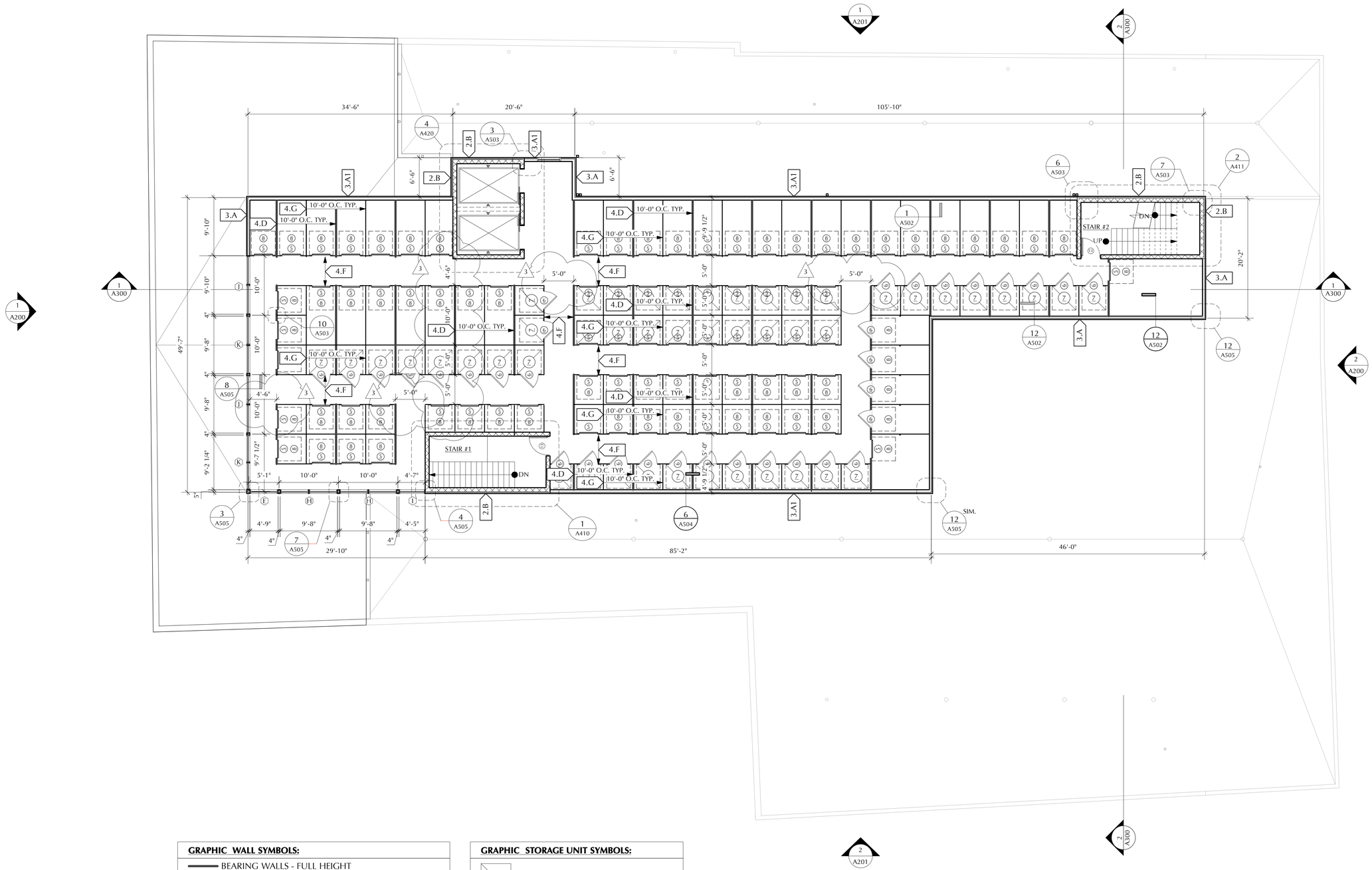

GRAPHIC WALL SYMBOLS:

- BEARING WALLS - FULL HEIGHT
- NON-BEARING PARTITIONS - STORAGE UNIT DIVIDER
- CORRIDOR PARTITIONS - 8'-6" HT
- INSULATED WALLS

PARTITION LOCATION MAY VARY SUBJECT TO DESIGN

GRAPHIC STORAGE UNIT SYMBOLS:

- HALF UNIT
- LOCKER ABOVE UNIT
- HALF UNIT WITH LOCKER ABOVE

1 / A-103 — 3rd Floor Plan

Scale: 1/8" = 1'-0"

ISSUE DATE:

1 Permit Set 05/23/13

REVISION DATE:

2 Permit Comments #2 10/31/13

3 Permit Comments #3 12/13/13

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THIRD FLOOR PLAN

A-103.00

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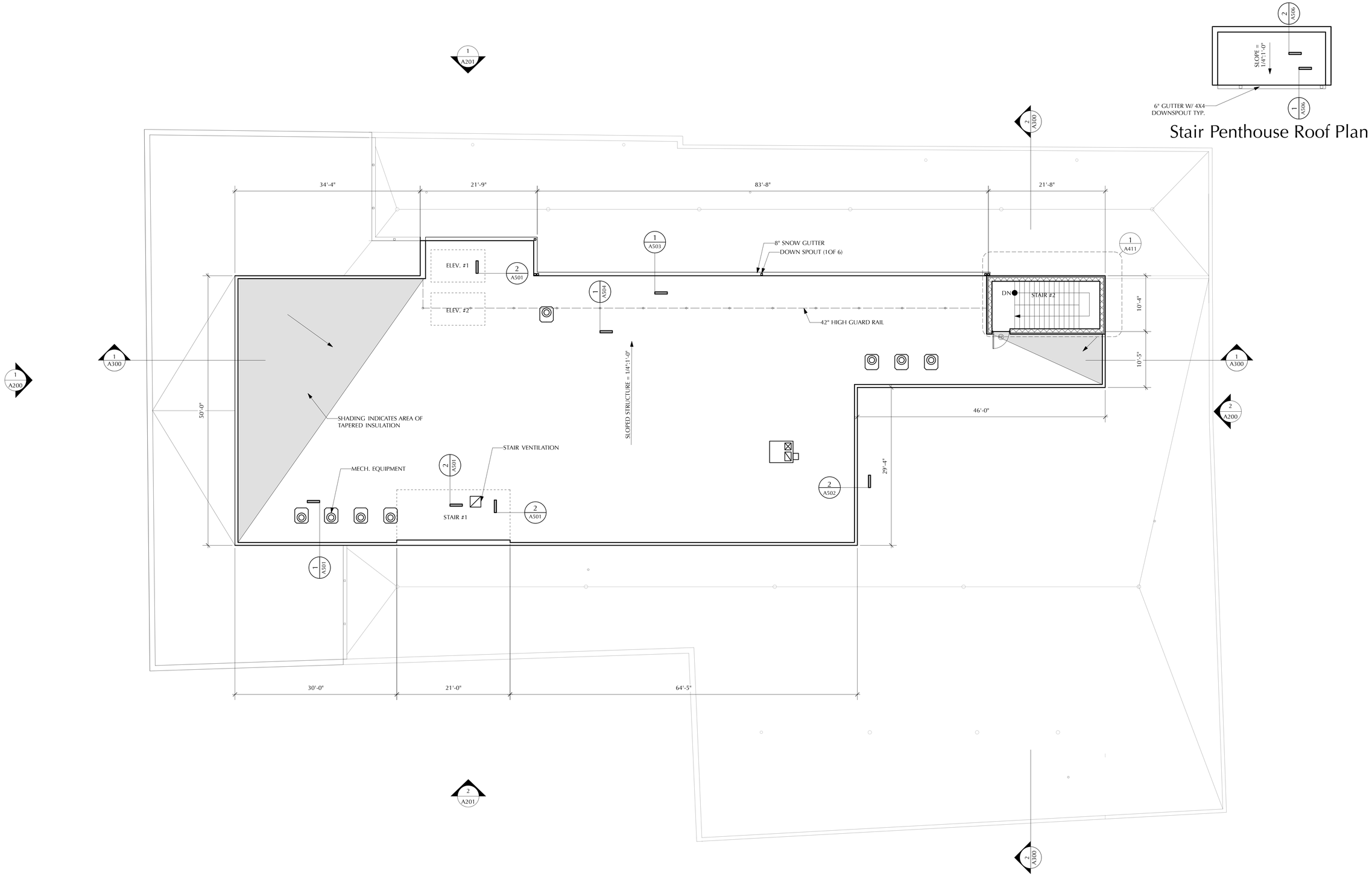

Stair Penthouse Roof Plan

1 Roof Plan
A-104
Scale: 1/8" = 1'-0"

ISSUE DATE:

1 Permit Set 05/23/13

REVISION DATE:

2 Permit Comments #2 10/31/13

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ROOF PLAN

A-104.00

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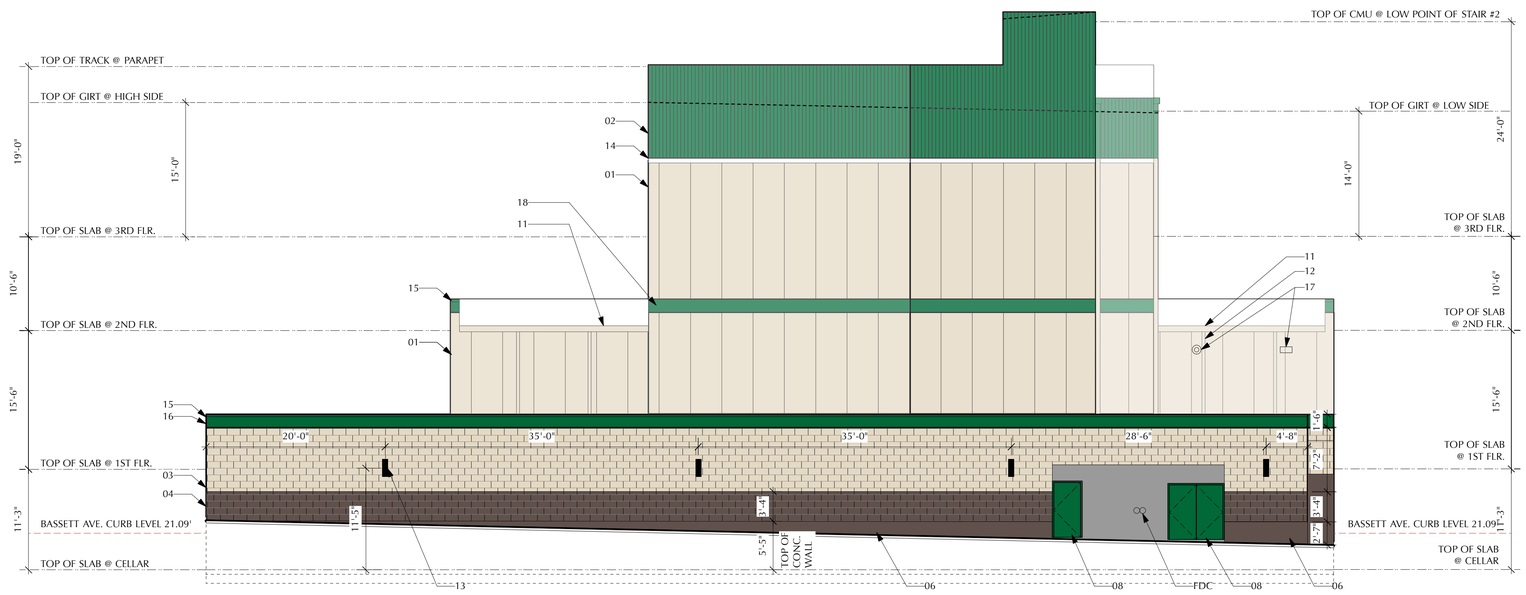
EXTERIOR FINISH SCHEDULE						
#	Item	Finish	Material	Color	Manufacturer	Remarks
01	INSULATED METAL PANEL	AZTECO EMBOSSED	METAL	SURREY BEIGE	KINGSPAN	
02	INSULATED METAL PANEL	INVERTED RIB	METAL	EVERGREEN	KINGSPAN	
03	CMU-1	PAINTED		MATCH SURREY BEIGE	BETCO	
04	CMU-2	PAINTED		BROWN	BETCO	
05	CMU SOLDIER COURSE	PAINTED		BROWN	BETCO	
06	CONCRETE WALL	POINTED & PAINTED		BROWN		
07	STORE FRONT ASSEMBLY	PREFINISHED	ALUMINUM	INTERSTATE GREEN	VISTA WALL	
08	EGRESS DOOR	PAINT		MATCH EVERGREEN		
09	OVERHEAD DOOR	PREFINISHED		MATCH EVERGREEN		
10	WINDOW ASSEMBLY	PREFINISHED	ALUMINUM	INTERSTATE GREEN		
11	GUTTER	PREFINISHED	METAL	MATCH COLOR OF ADJACENT MATERIAL		
12	DOWNSPOUT	PREFINISHED	METAL	MATCH COLOR OF ADJACENT MATERIAL		
13	EXTERIOR LIGHT FIXTURE	PREFINISHED				
14	6" Z FLASHING	PREFINISHED	METAL	WHITE		
15	CAP FLASHING	PREFINISHED	METAL	MATCH EVERGREEN		
16	CMU-3	PAINTED		MATCH EVERGREEN	BETCO	
17	MECHANICAL EQUIP.	PAINTED	METAL	SEE NOTE #1		
18	18" PAINTED STRIPE	PAINTED	METAL	MATCH EVERGREEN		
19	METAL FENCE	PREFINISHED	METAL			
NOTES:						
	1. Color of downspouts and mechanical louvers to match adjacent material.					
	2. Painters do samples on site to be approved prior to commencement of painting					
	3. All mortar to match adjacent block unless noted otherwise					

1 A-200 NORTH ELEVATION
Scale: 1/8" = 1'-0"



2 A-200 SOUTH ELEVATION
Scale: 1/8" = 1'-0"

ISSUE DATE:

1 Permit Set 05/23/13

REVISION DATE:

1 Permit Comments 10/01/13
2 Permit Comments #2 10/31/13

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BUILDING ELEVATIONS

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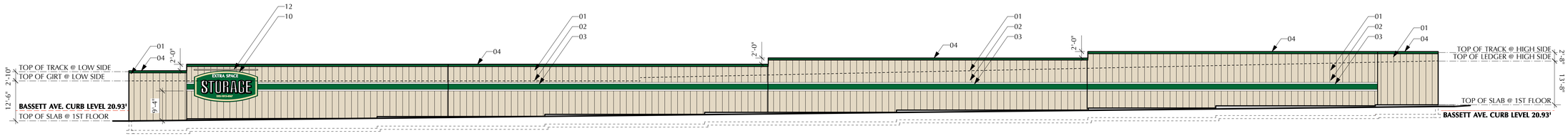
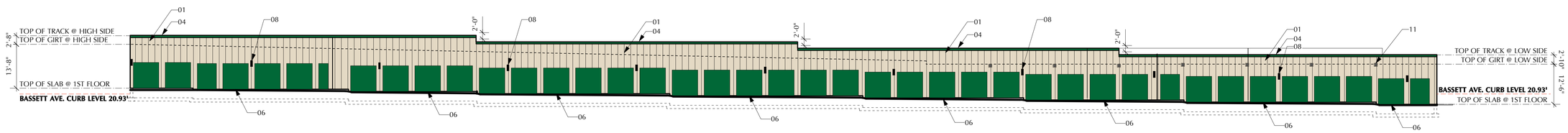


1 NORTH ELEVATION

A-200

Scale: 1/16" = 1'-0"

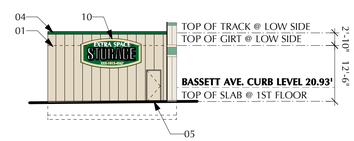


2 SOUTH ELEVATION

A-200

Scale: 1/16" = 1'-0"

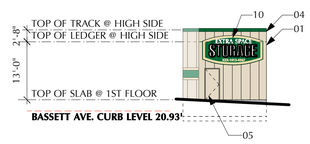
EXTERIOR FINISH SCHEDULE						
#	Item	Finish	Material	Color	Manufacturer	Remarks
01	INSULATED METAL PANEL	AZTECO EMBOSSED	METAL	SURREY BEIGE	KINGSPAN	
02	6" ACCENT STRIPE 1	PAINTED		(WHITE) MATCH EXTRASPACE STANDARD SIGNAGE		
03	20" ACCENT STRIPE 2	PAINTED		(GREEN) MATCH EXTRASPACE STANDARD SIGNAGE		
04	CAP FLASHING	PREFINISHED	METAL	MATCH EVERGREEN		
05	UTILITY ROOM DOOR	PAINT		MATCH SURREY BEIGE		
06	ROLLUP DOOR	PREFINISHED	METAL	MATCH EVERGREEN		
08	EXTERIOR LIGHT FIXTURE	PREFINISHED				
10	EXTRASPACE SIGN	--	--			SIGN BY OTHERS, PROVIDE BLOCKING AS NEEDED FOR FUTURE SIGN
11	THRU WALL SCUPPER	PREFINISHED	--	MATCH SURRY BEIGE		
12	SIGN DOWN LIGHT	PREFINISHED	--	MATCH SURRY BEIGE		



3 EAST ELEVATION

A-200

Scale: 1/16" = 1'-0"



4 WEST ELEVATION

A-200

Scale: 1/16" = 1'-0"

ISSUE DATE:

1	Permit Set	05/23/13
2	Permit Set 1 Story	02/03/14

REVISION DATE:

1	Permit Comments	10/14/13

Stillwell Avenue Self Storage - Bldg. B

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BUILDING ELEVATIONS

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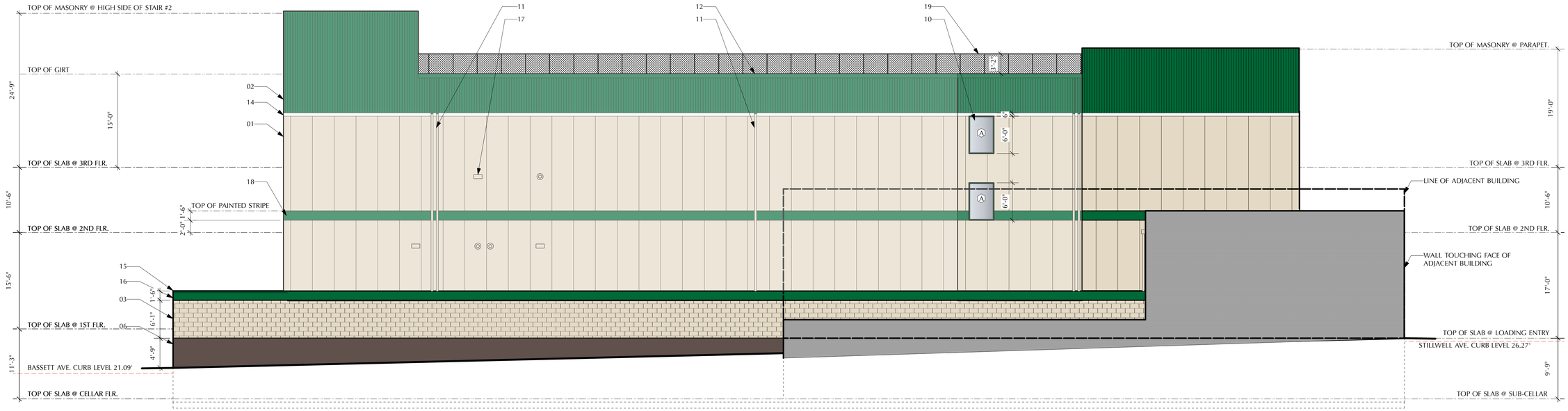
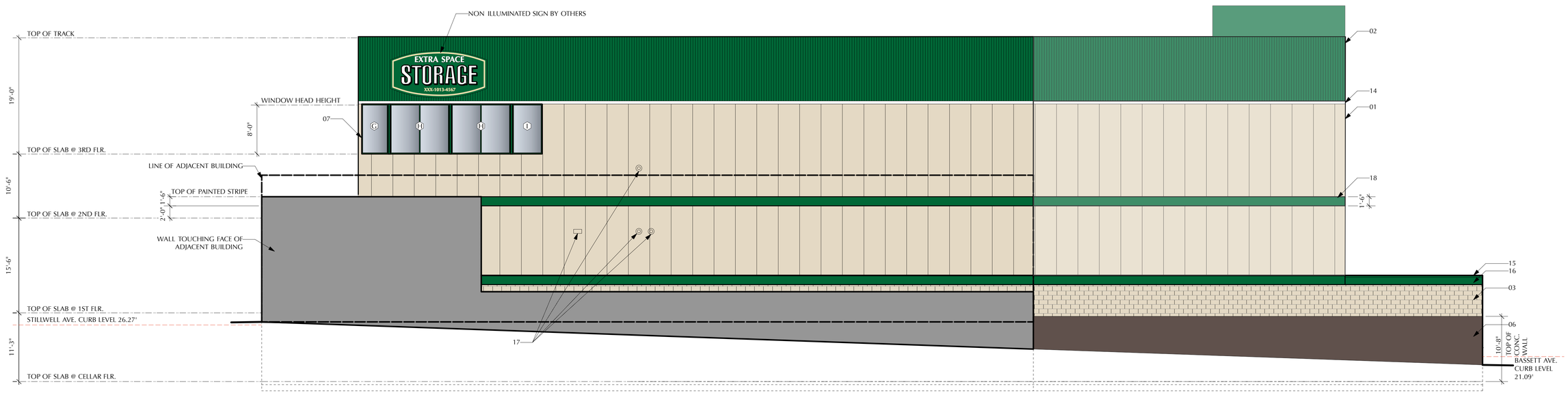


1 A-201

EAST ELEVATION

Scale: 1/8" = 1'-0"



2 A-201

WEST ELEVATION

Scale: 1/8" = 1'-0"

EXTERIOR FINISH SCHEDULE						
#	Item	Finish	Material	Color	Manufacturer	Remarks
01	INSULATED METAL PANEL	AZTECO EMBOSSED	METAL	SURREY BEIGE	KINGSPAN	
02	INSULATED METAL PANEL	INVERTED RIB	METAL	EVERGREEN	KINGSPAN	
03	CMU-1	PAINTED		MATCH SURREY BEIGE	BETCO	
04	CMU-2	PAINTED		BROWN	BETCO	
05	CMU SOLDIER COURSE	PAINTED		BROWN	BETCO	
06	CONCRETE WALL	POINTED & PAINTED		BROWN		
07	STORE FRONT ASSEMBLY	PREFINISHED	ALUMINUM	INTERSTATE GREEN	VISTA WALL	
08	EGRESS DOOR	PAINT		MATCH EVERGREEN		
09	OVERHEAD DOOR	PREFINISHED		MATCH EVERGREEN		
10	WINDOW ASSEMBLY	PREFINISHED	ALUMINUM	INTERSTATE GREEN		
11	GUTTER	PREFINISHED	METAL	MATCH COLOR OF ADJACENT MATERIAL		
12	DOWNSPOUT	PREFINISHED	METAL	MATCH COLOR OF ADJACENT MATERIAL		
13	EXTERIOR LIGHT FIXTURE	PREFINISHED				
14	6" Z FLASHING	PREFINISHED	METAL	WHITE		
15	CAP FLASHING	PREFINISHED	METAL	MATCH EVERGREEN		
16	CMU-3	PAINTED		MATCH EVERGREEN	BETCO	
17	MECHANICAL EQUIP.	PAINTED	METAL	SEE NOTE #1		
18	18" PAINTED STRIPE	PAINTED	METAL	MATCH EVERGREEN		
19	METAL FENCE	PREFINISHED	METAL			
NOTES:						
	1. Color of downspouts and mechanical louvers to match adjacent material.					
	2. Painters do samples on site to be approved prior to commencement of painting					
	3. All mortar to match adjacent block unless noted otherwise					

ISSUE DATE:

1	Permit Set	05/23/13

REVISION DATE:

1	Permit Comments	10/01/13
2	Permit Comments #2	10/31/13

Stillwell Avenue Self Storage - Bldg. A

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BUILDING ELEVATIONS

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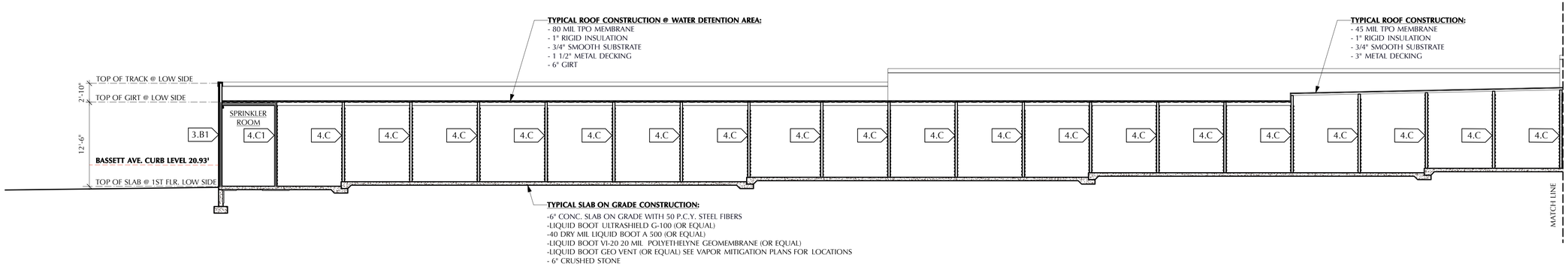
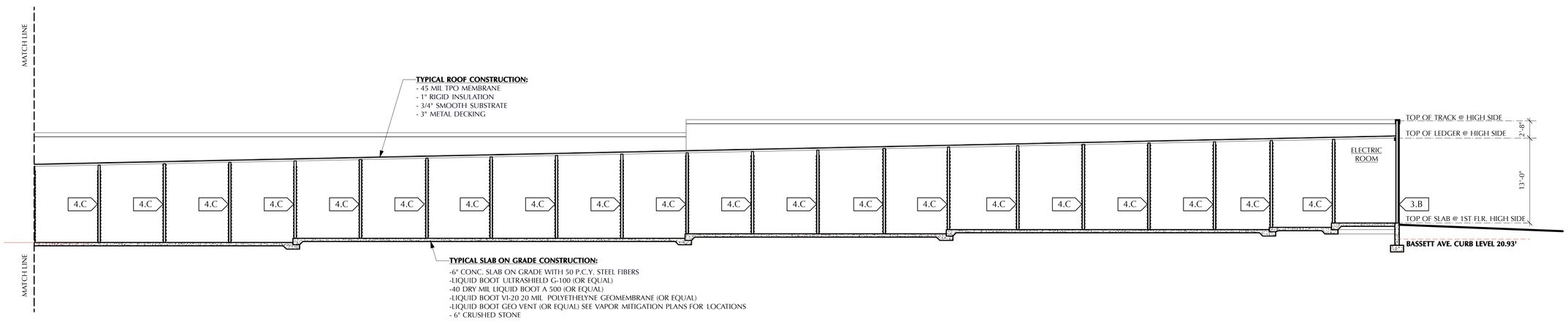


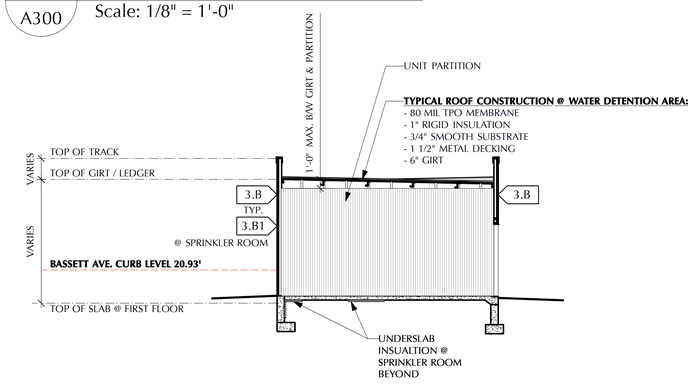
1 / A300 BUILDING SECTION

Scale: 1/8" = 1'-0"



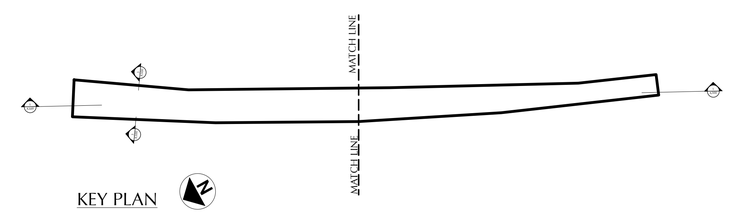
2 / A300 BUILDING SECTION

Scale: 1/8" = 1'-0"



3 / A300 BUILDING CROSS SECTION

Scale: 1/8" = 1'-0"



ISSUE DATE:

1	Permit Set	05/23/13
2	Permit Set 1 Story	02/03/14

REVISION DATE:

1	Permit Comments	10/14/13

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BUILDING SECTIONS

A-300.00

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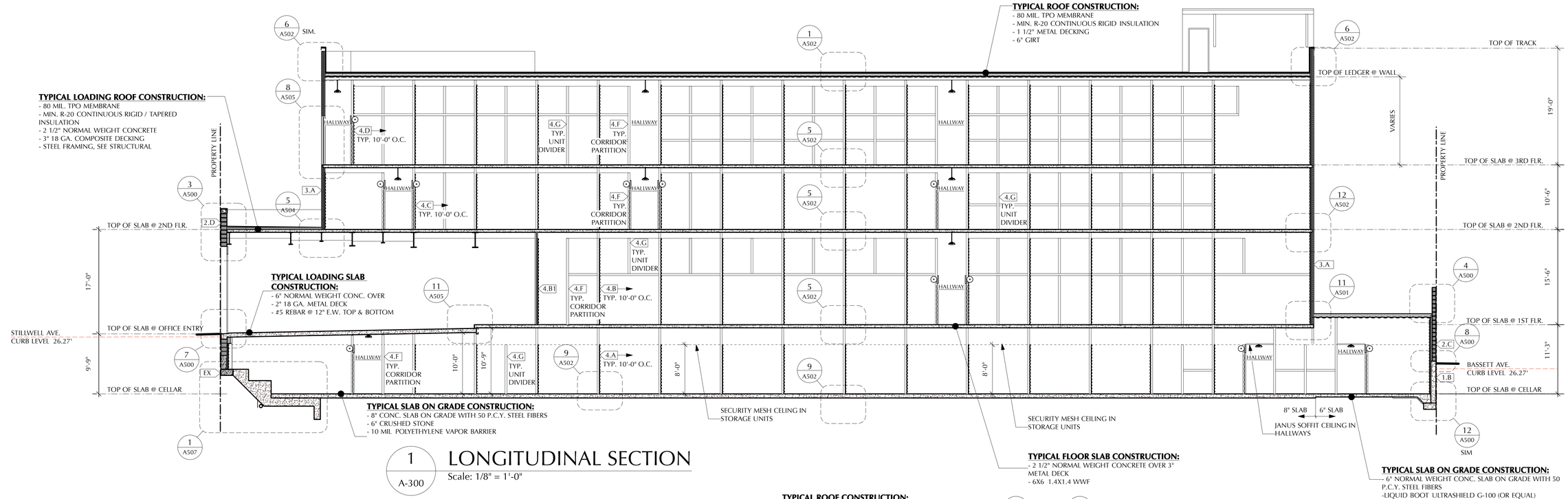
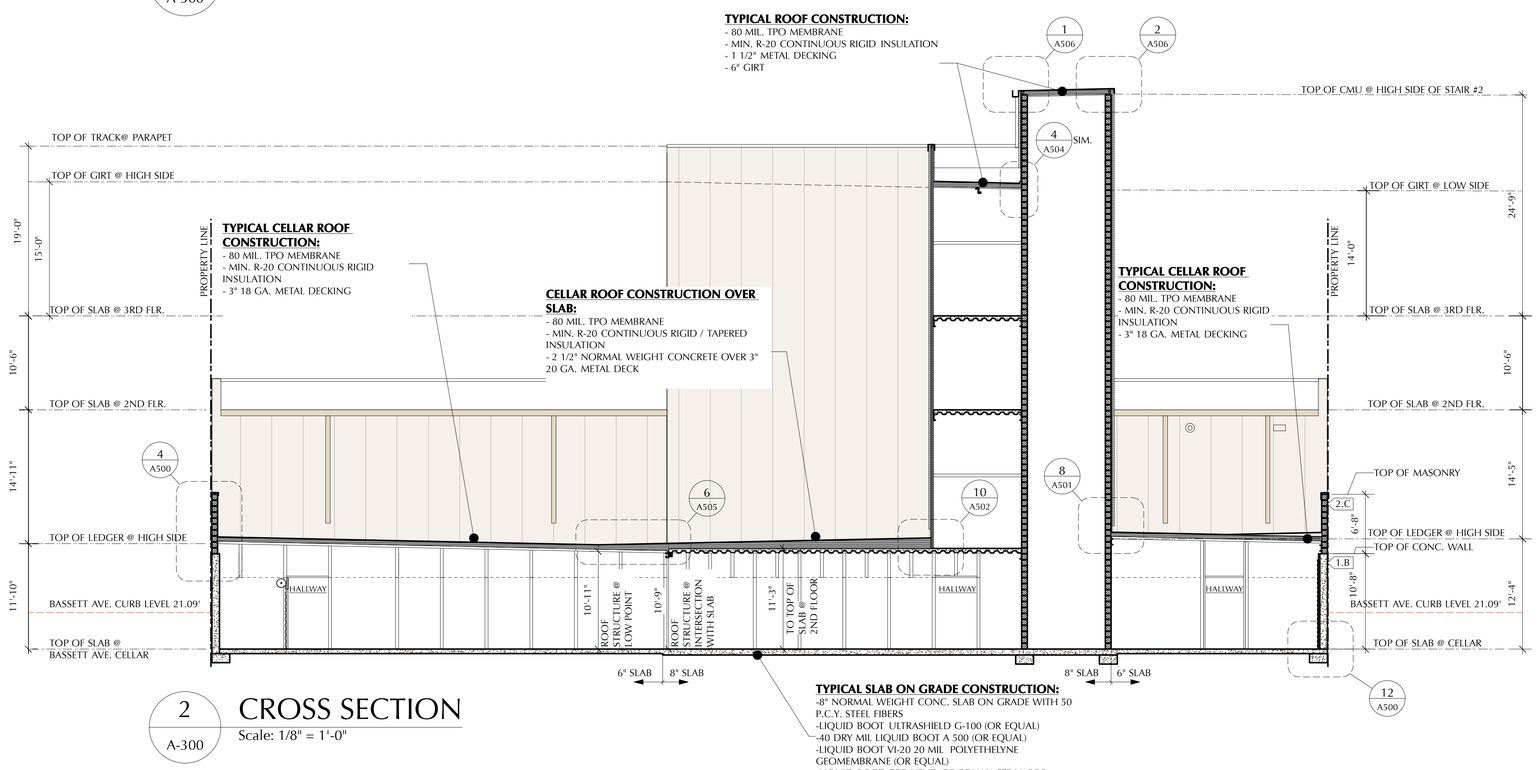


1 A-300

LONGITUDINAL SECTION

Scale: 1/8" = 1'-0"



2 A-300

CROSS SECTION

Scale: 1/8" = 1'-0"

ISSUE DATE:

1 Permit Set 05/2

REVISION DATE:

1 Permit Comments 10.
2 Permit Comments #2 10.

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BUILDING SECTIONS

A-300.0

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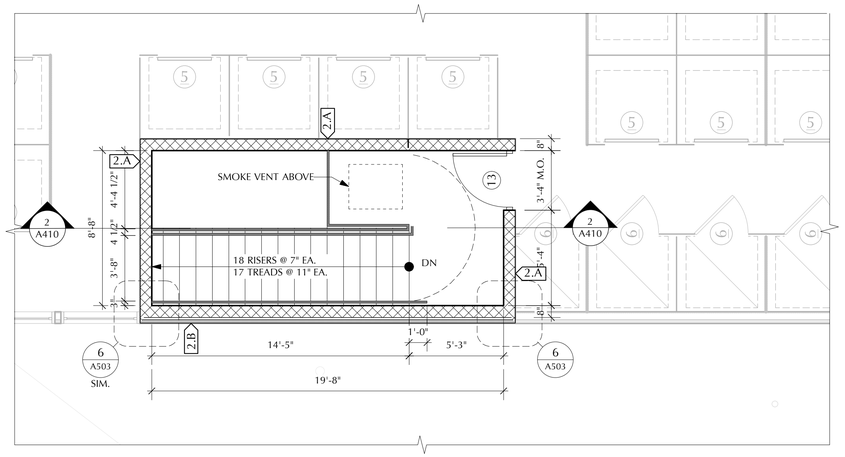
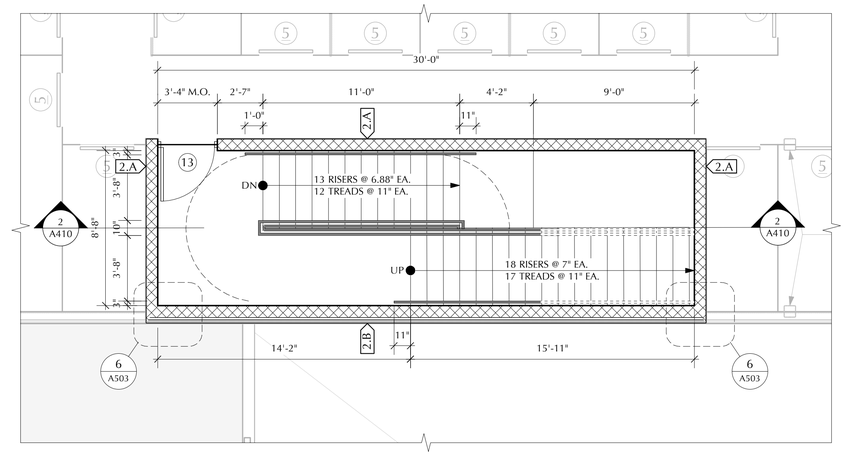
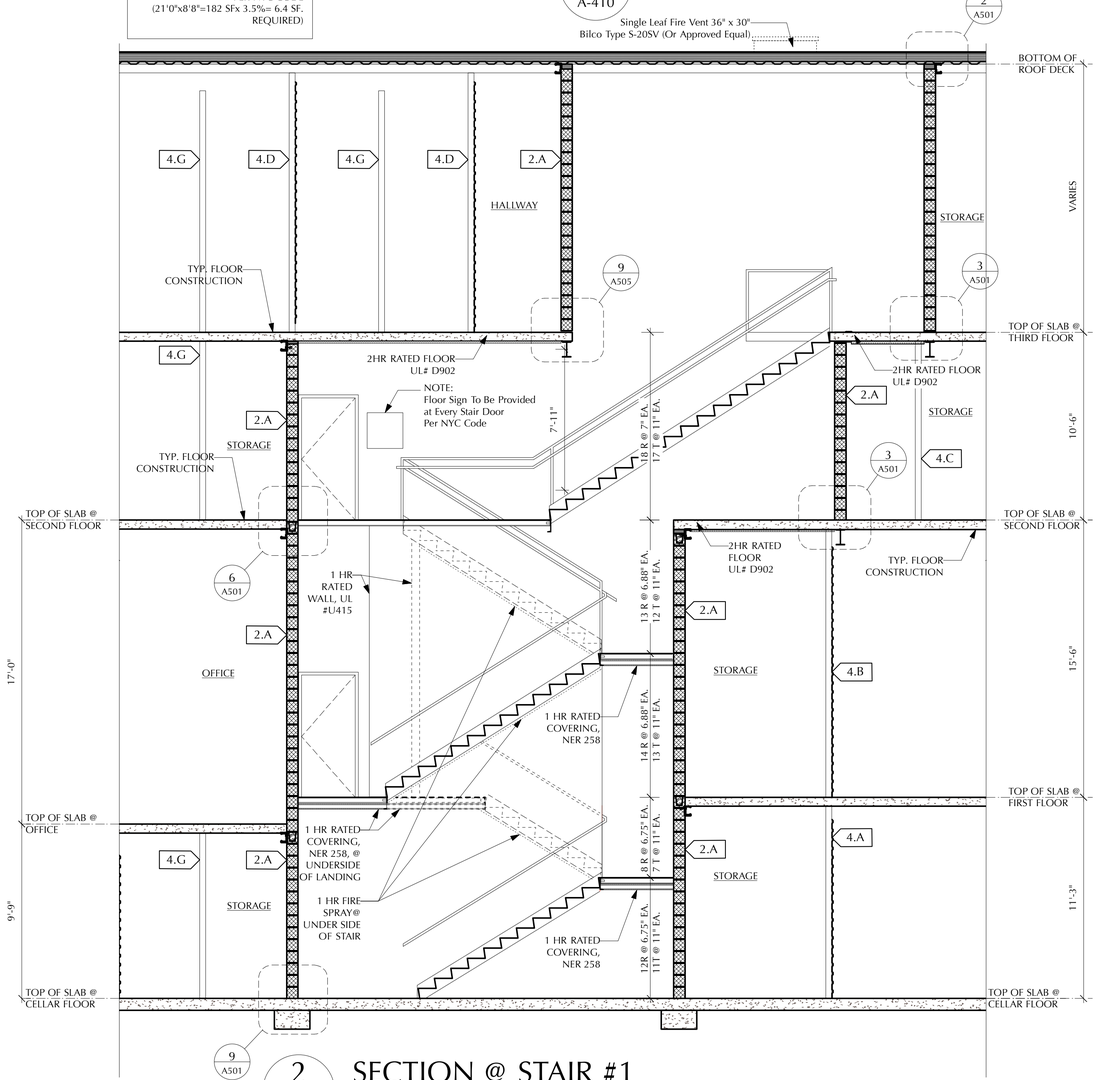


1 STAIR #1 @ THIRD FLOOR
A-410
Scale: 1/4" = 1'-0"

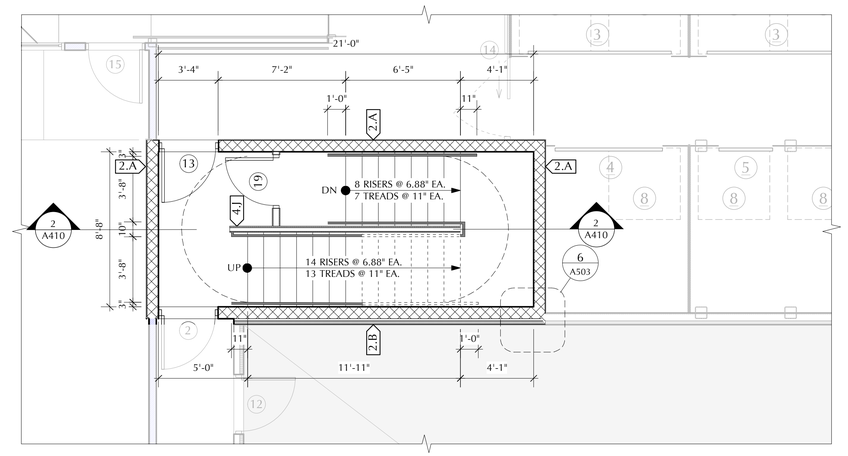


3 STAIR #1 @ SECOND FLOOR
A-410
Scale: 1/4" = 1'-0"

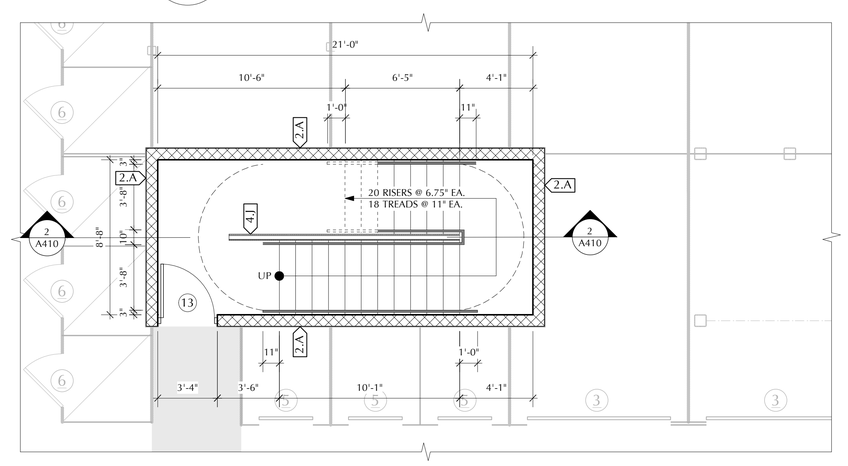
SMOKE VENT
30" x 36"= 7.5 SF MIN. PROVIDED
PER NYC CODE
(21'0"x8'8"=182 SFx 3.5%= 6.4 SF.
REQUIRED)



2 SECTION @ STAIR #1
A-410
Scale: 1/4" = 1'-0"



4 STAIR #1 @ FIRST FLOOR
A-410
Scale: 1/4" = 1'-0"



5 STAIR # 1 @ CELLAR FLOOR
A-410
Scale: 1/4" = 1'-0"

ISSUE DATE:

1 Permit Set 05/23/13

REVISION DATE:

2 Permit Comments #2 10/31/13

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Falls Church, Virginia 22046
703-356-6771 fax: 356-7010

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STAIR BLOW UP PLANS & SEC.

A-410.00

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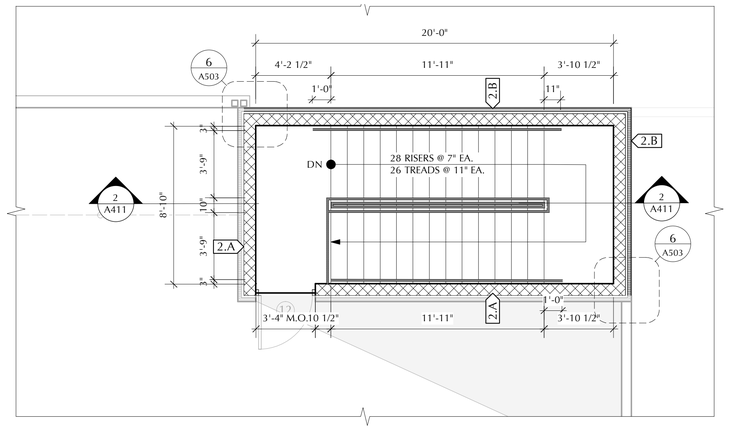
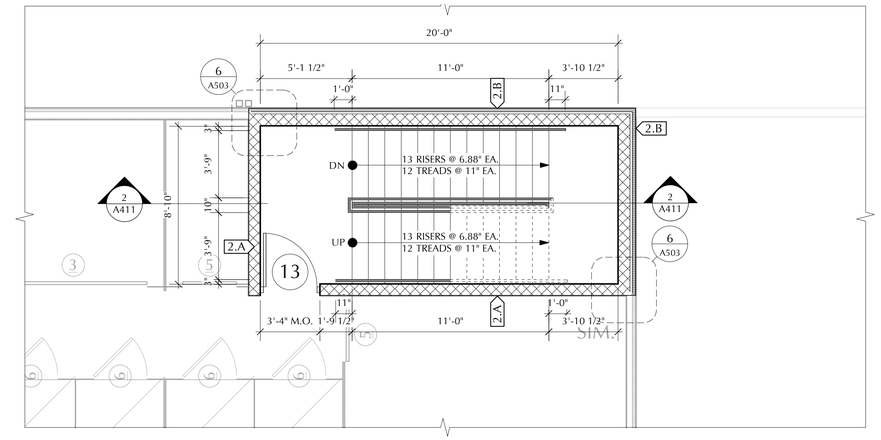
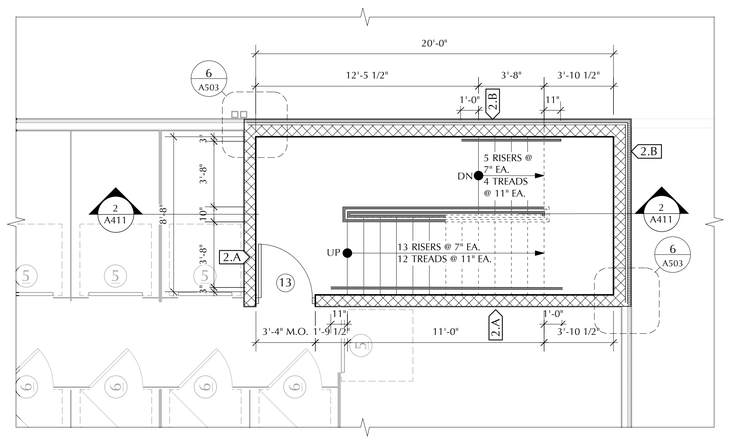


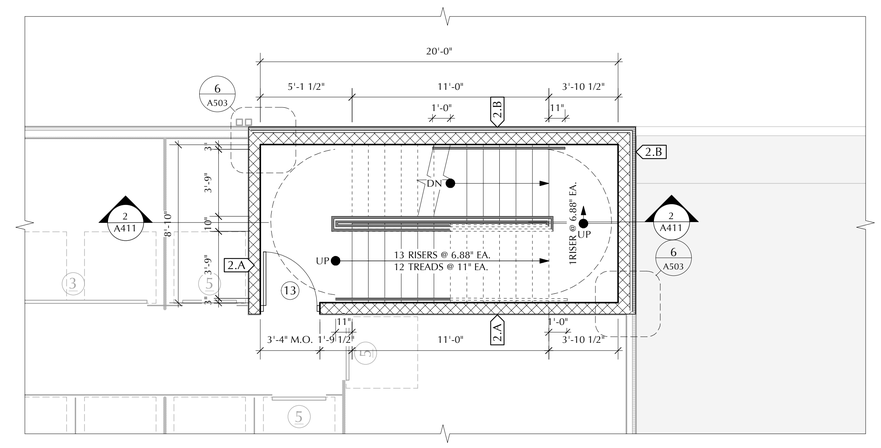
1 A-411 STAIR #2 @ ROOF
Scale: 1/4" = 1'-0"



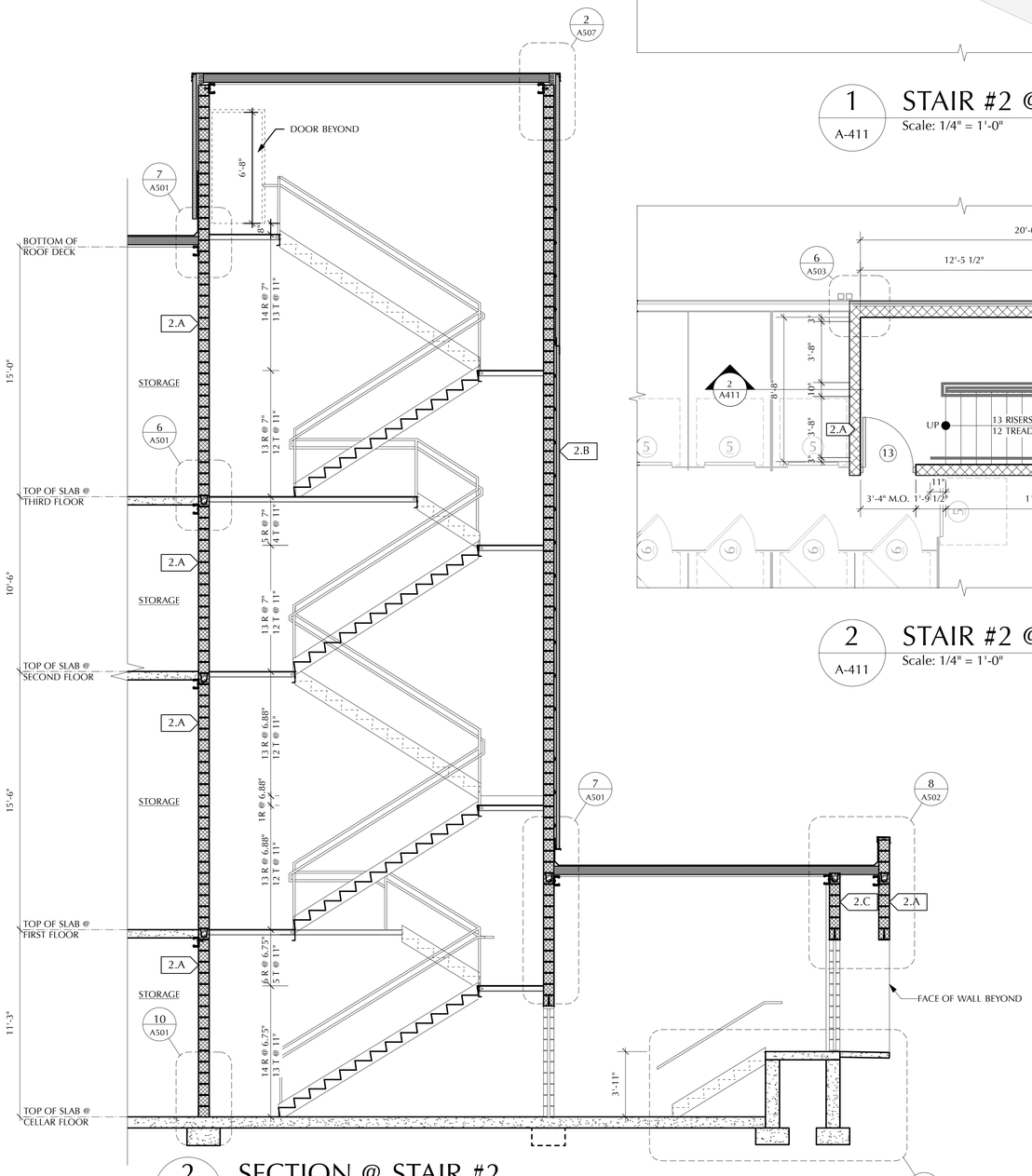
3 A-411 STAIR #2 @ SECOND FLOOR
Scale: 1/4" = 1'-0"



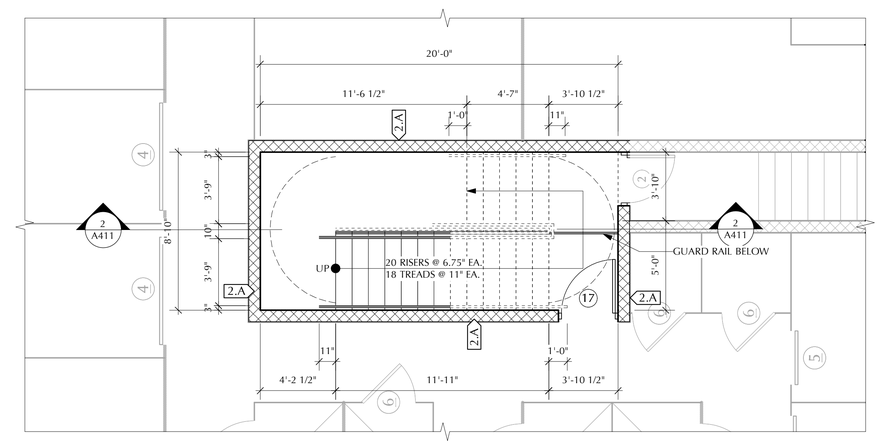
2 A-411 STAIR #2 @ THIRD FLOOR
Scale: 1/4" = 1'-0"



4 A-411 STAIR #2 @ FIRST FLOOR
Scale: 1/4" = 1'-0"



2 A-411 SECTION @ STAIR #2
Scale: 1/4" = 1'-0"



5 A-411 STAIR #2 @ CELLAR FLOOR
Scale: 1/4" = 1'-0"

ISSUE DATE:

1 Permit Set 05/23/13

REVISION DATE:

2 Permit Comments #2 10/31/13

Stillwell Avenue Self Storage - Bldg. A

Stillwell Self Storage LLC
1538 Stillwell Ave.
Bronx, NY

BUTZ•WILBERN LTD
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Falls Church, Virginia 22046
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ELEVATOR

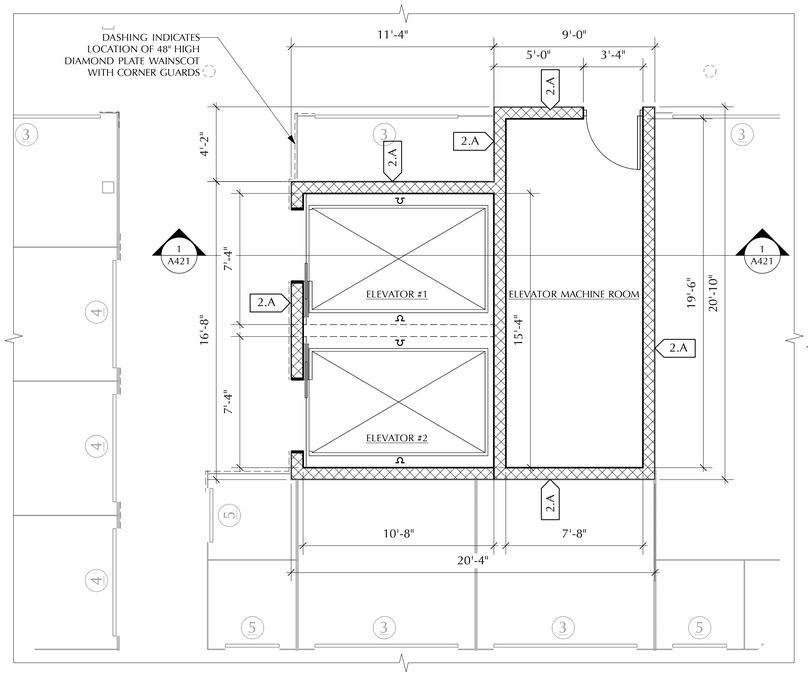
SPECIFICATION & DATA		
ELEVATOR NO	#1	#2
BASIS OF DESIGN	SCHINDLER 330A HOSPITAL SERVICE	SCHINDLER 330A HOSPITAL SERVICE
TYPE	HYDRAULIC	HYDRAULIC
CAPACITY	4500 LB	4500 LB
SPEED	100 FPM	100 FPM
NUMBER OF OPENINGS	2 AT FRONT & 2 AT REAR	2 AT FRONT & 2 AT REAR
NET TRAVEL	37'3"	37'3"
MINIMUM CAR INSIDE	68" WIDE x 94" DEEP	68" WIDE x 94" DEEP
CLEAR CAB HEIGHT UNDER CEILING	96" MIN.	96" MIN.
DOOR SIZE	4'0"WIDE x 7'0" TALL	4'0"WIDE x 7'0" TALL
DOOR TYPE	2SSO	2SSO
DOOR PROTECTION	INFRARED DETECTOR	INFRARED DETECTOR
DOOR FIRE RATING	1 1/2 HRS	1 1/2 HRS
LOBBY & ALTERNATE FLOOR	1 & 2	1 & 2
CAR OPERATING FEATURES	SEE NOTE 3	SEE NOTE 3
TECHNICAL DATA		
POWER SUPPLY	208V - 3Ph - 60Hz	208V - 3Ph - 60Hz
MOTOR H.P.	40 HP	40 HP
TYPE OF START	SOLID STATE-SEE NOTE 1	SOLID STATE-SEE NOTE 1

NOTE:
1- PROVISION FOR KEYPAD IN CAR (PROVIDED AND INSTALLED BY SECURITY CONTRACTOR)
2- FOR CAB ENCLOSURE FINISHES SEE CAB SCHEDULE
3- SIMPLEX COLLECTIVE OPERATIONS, SINGLE SPEED FAN, ON/OFF LIGHT SWITCH, REMOTE ELEVATOR MONITORING REM, CAR-STALL PROTECTION, FIREFIGHTERS' SERVICE PHASE I AND PHASE II, TOP OF CAR INSPECTION
4- CONTRACTOR TO PROVICE PRICE INFO FOR BOTH HOLES & HOLELESS ELEVATOR

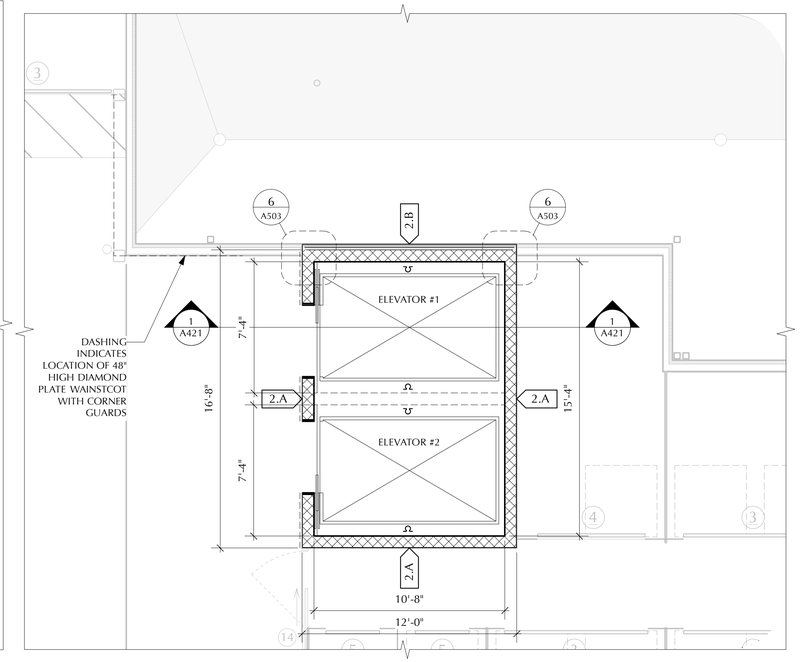
ELEVATOR CAB SCHEDULE

CAB #	FLOOR	WALLS	DOOR	CEILING	REMARKS
ELEV CAB #1	DIAMOND PLATE	SEE NOTE #2 & #3	SEE NOTE #5	SEE NOTE #4	8' CLEAR CEILING HEIGHT
ELEV CAB #2	DIAMOND PLATE	SEE NOTE #2 & #3	SEE NOTE #5	SEE NOTE #4	8' CLEAR CEILING HEIGHT

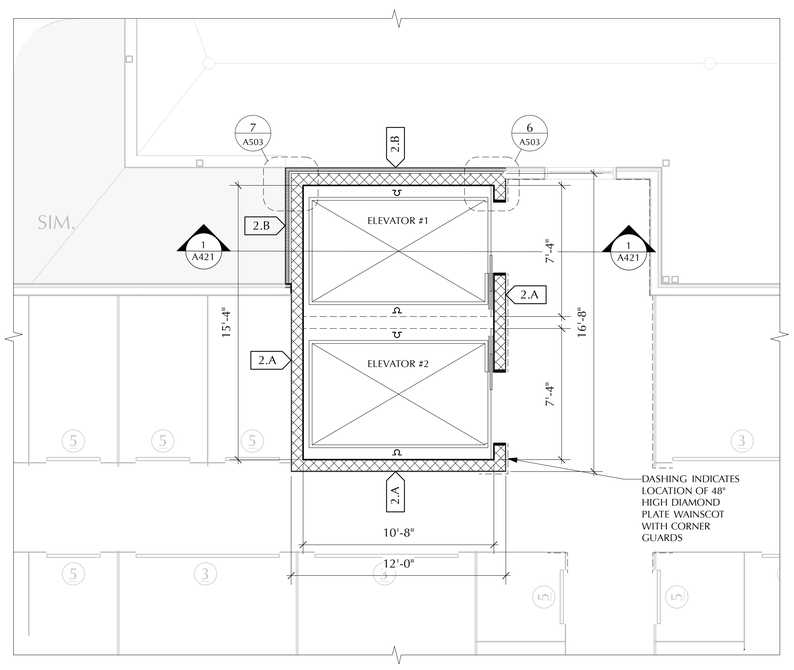
NOTE:
1. NOT USED
2. WOOD CORE WITH ALUM. DIAMOND PLATE FINISH FULL HEIGHT
3. 2" x 3/8" #4 SATIN FINISH HANDRAILS ON SIDES W/O DOOR @ 32" A.F.F.
4. RECESSED FLUORESCENT LIGHTING IN WHITE ENAMEL CANOPY W/ VANDAL RESISTANT GUARD
5. #4 STAINLESS STEEL RETURN/DOORS



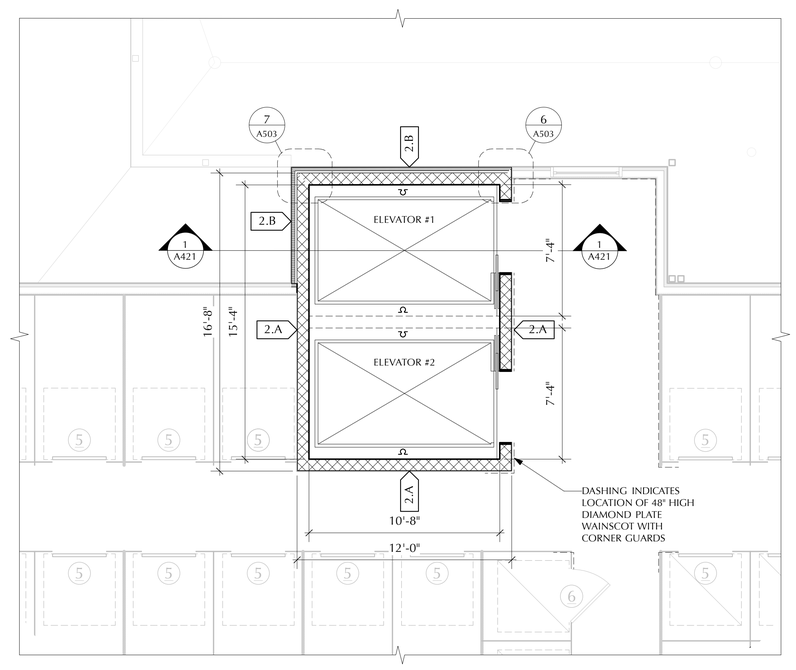
1 A-420 ELEVATOR @ CELLAR FLOOR
Scale: 1/4" = 1'-0"



2 A-420 ELEVATOR @ FIRST FLOOR
Scale: 1/4" = 1'-0"



3 A-420 ELEVATOR @ SECOND FLOOR
Scale: 1/4" = 1'-0"



4 A-420 ELEVATOR @ THIRD FLOOR
Scale: 1/4" = 1'-0"

ISSUE DATE:

1 Permit Set 05/23/13

REVISION DATE:

2 Permit Comments #2 10/31/13

Stillwell Avenue Self Storage - Bldg. A

Stillwell Self Storage LLC
1538 Stillwell Ave.
Bronx, NY

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ELEVATOR BLOW UP PLANS

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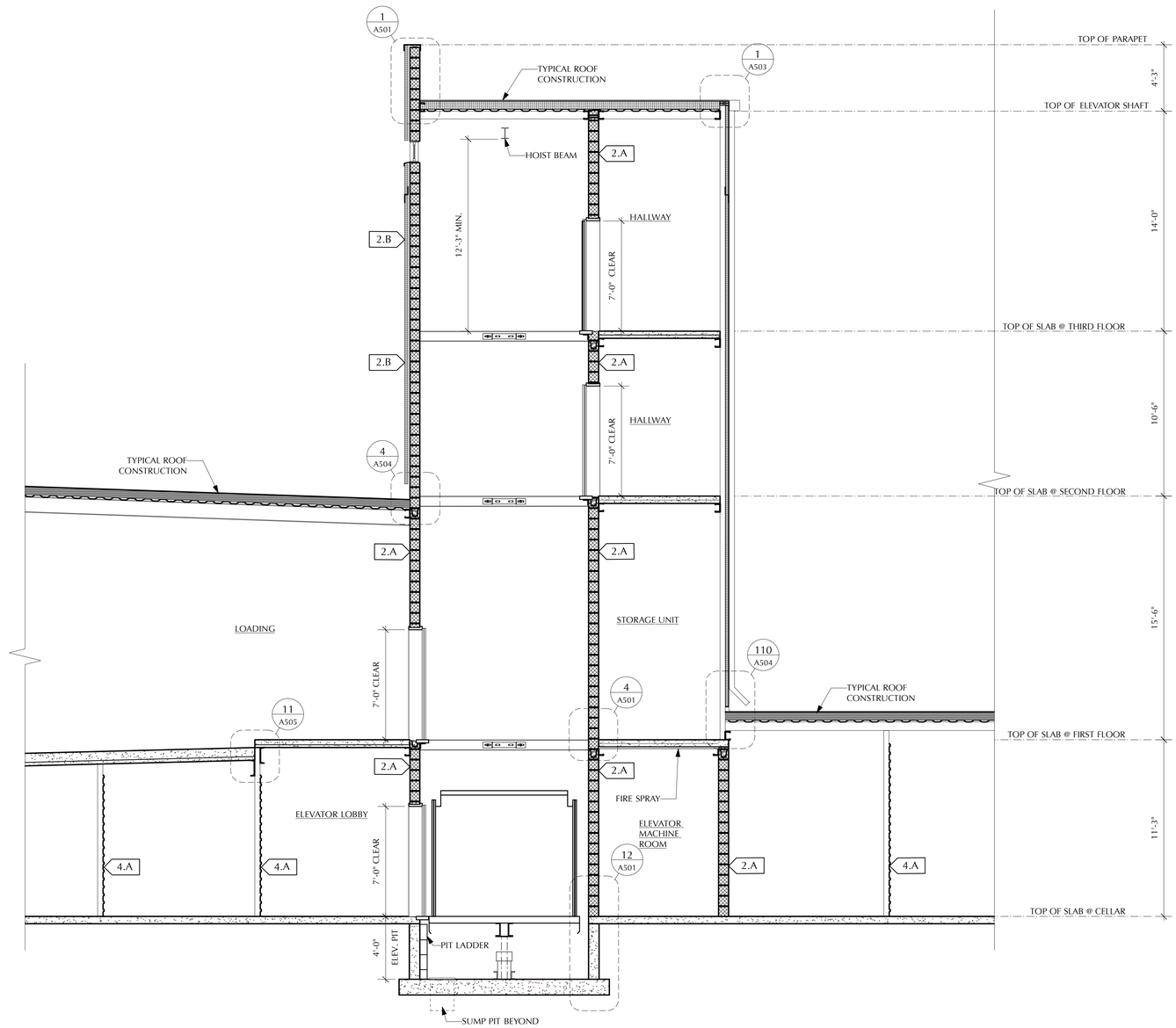

1 / A-421 **Elevator Section**

Scale: 1/4" = 1'-0"

ISSUE DATE:

1 Permit Set 05/23/13

REVISION DATE:

2 Permit Comments #2 10/31/13

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ELEVATOR BLOW UP SECTIONS

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ELEVATOR BLOW UP SECTIONS

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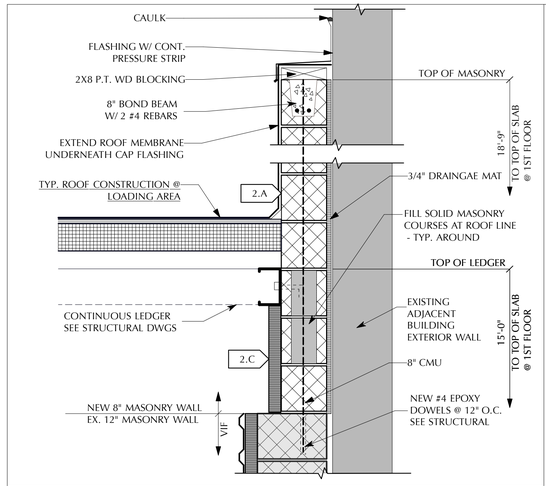
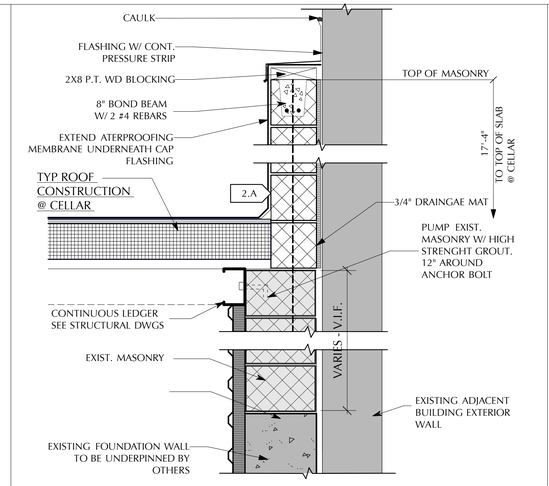


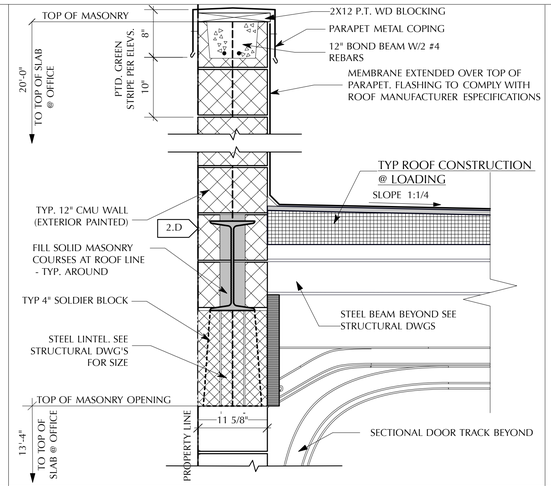
1 PARAPET @ 1ST FLOOR ROOF

SCALE: 1" = 1'-0"



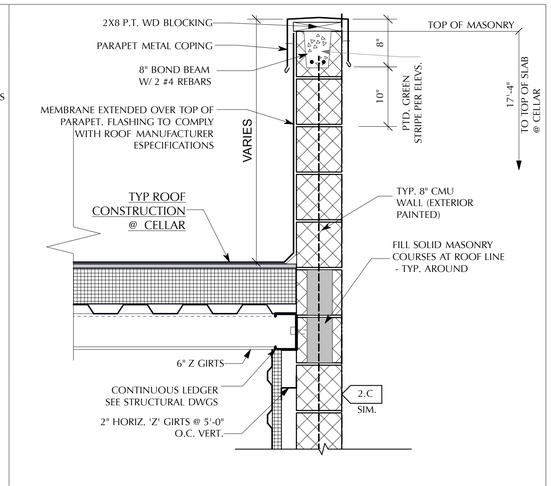
2 PARAPET @ CELLAR ROOF

SCALE: 1" = 1'-0"



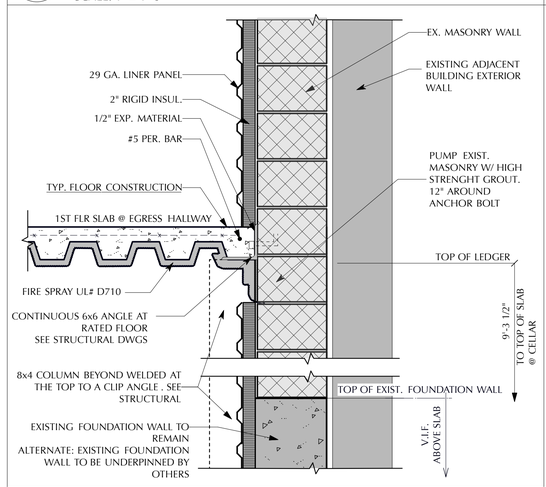
3 SECT. DOOR HEAD @ LOADING

SCALE: 1" = 1'-0"



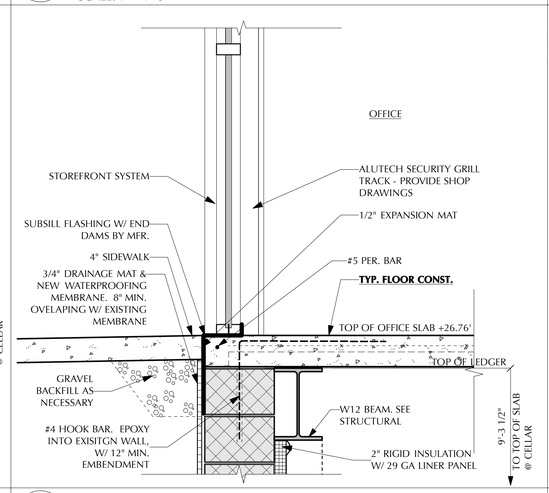
4 TYP. PARAPET @ BASSET AV.

SCALE: 1" = 1'-0"



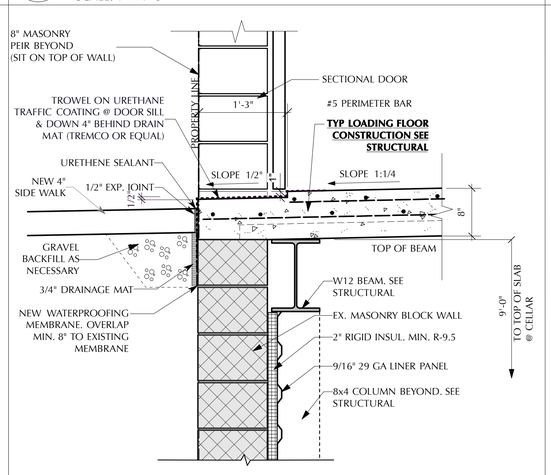
5 WALL SECTION @ 1ST FLOOR PLAN

SCALE: 1" = 1'-0"



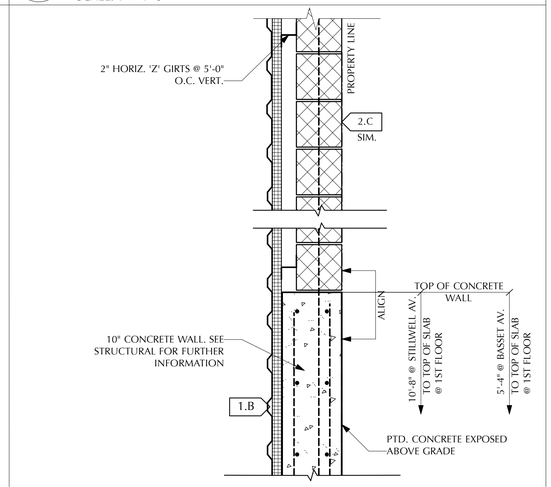
6 WINDOW SILL @ OFFICE

SCALE: 1" = 1'-0"



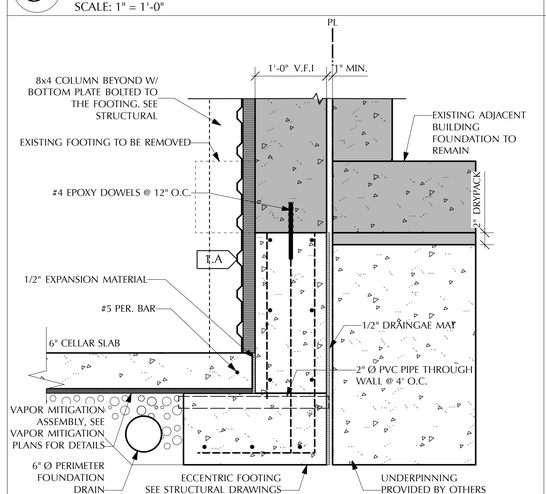
7 SECTIONAL DOOR SILL @ LOADING

SCALE: 1" = 1'-0"



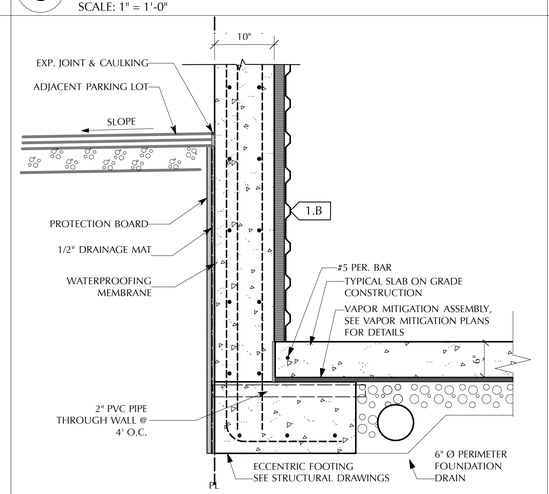
8 TYP. EXTERIOR WALL @ BASSET AVE.

SCALE: 1" = 1'-0"



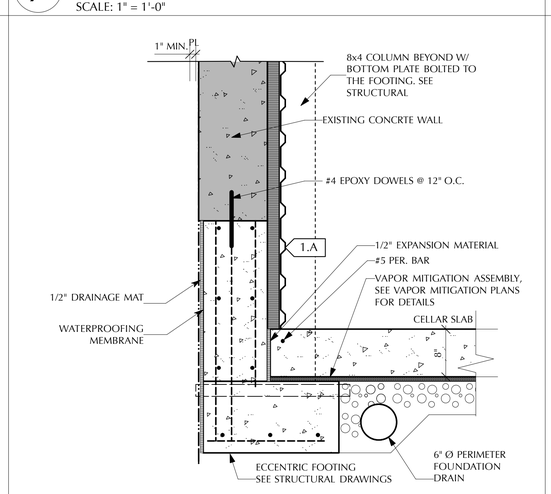
9 ALTERNATE:UNDERPINING DETAIL

SCALE: 1" = 1'-0"



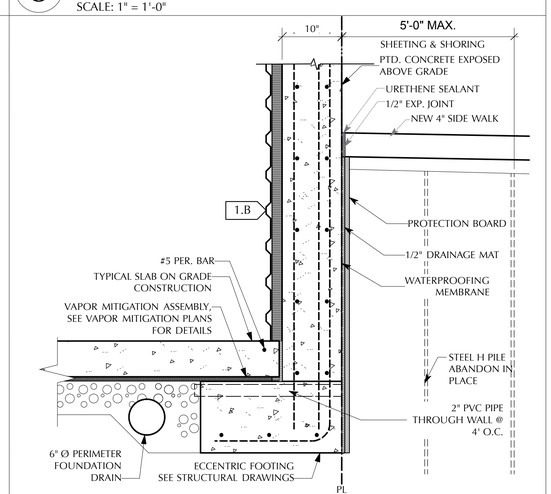
10 TYP. FOUNDATION DETAIL

SCALE: 1" = 1'-0"



11 ALTERNATE FOUNDATION @ STILLWELL AVE.

SCALE: 1" = 1'-0"



12 TYP. FOUNDATION @ BASSET AVE.

SCALE: 1" = 1'-0"

ISSUE DATE:	
1 Permit Set	05/23/13

REVISION DATE:	
2 Permit Comments #2	10/31/13

Stillwell Avenue Self Storage - Bldg. A

Stillwell Self Storage LLC
1538 Stillwell Ave.
Bronx, NY

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Falls Church, Virginia 22046
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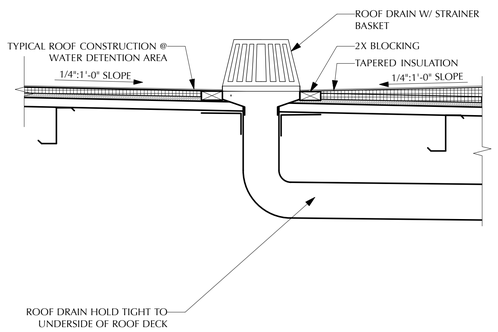
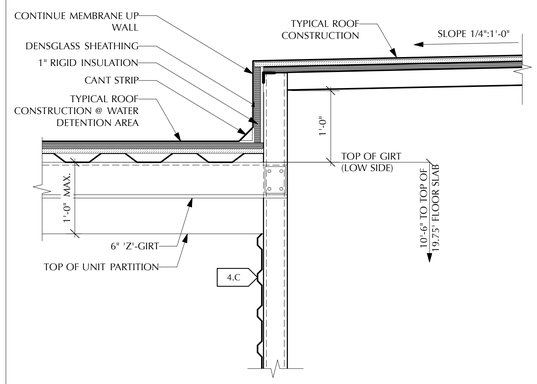
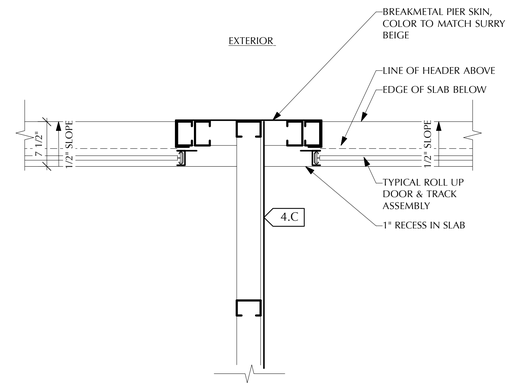


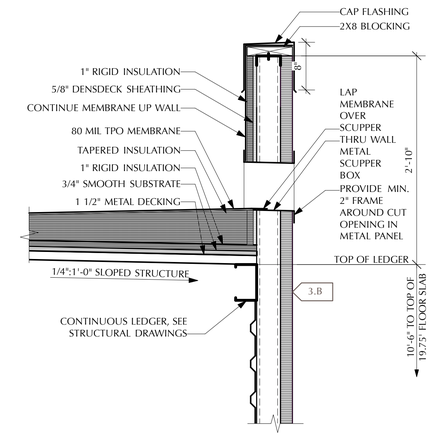
1 TYPICAL ROOF DRAIN
SCALE: 1" = 1'-0"



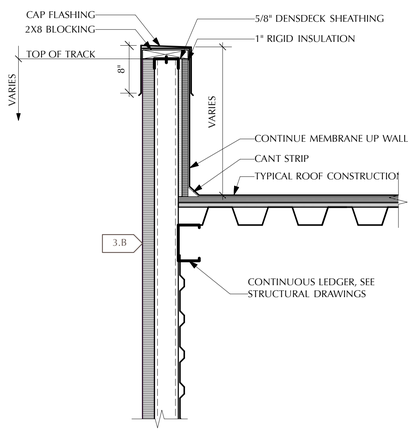
2 STEP IN ROOF
SCALE: 1" = 1'-0"



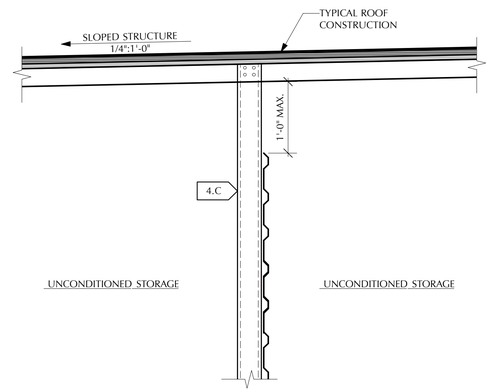
3 TYPICAL PIER @ ROLL UP DOOR
SCALE: 1" = 1'-0"



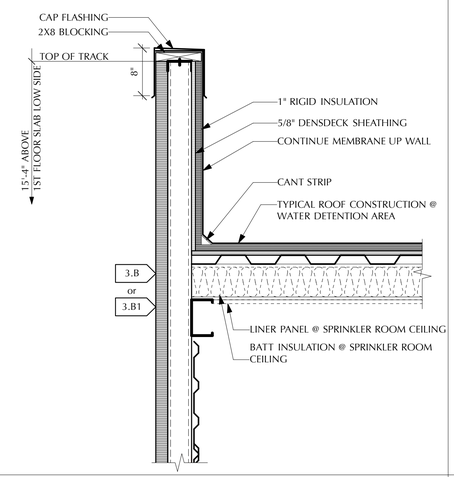
4 THRU WALL SCUPPER BOX
SCALE: 1" = 1'-0"



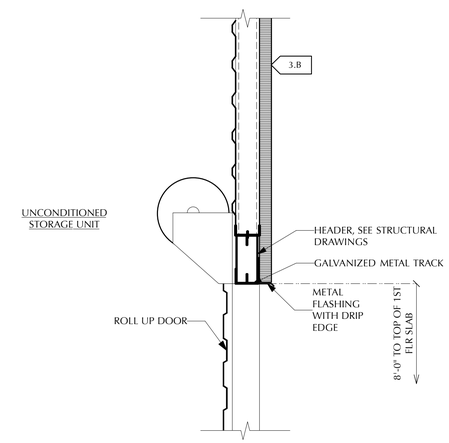
5 PARAPET @ TYPICAL ROOF CONST.
SCALE: 1" = 1'-0"



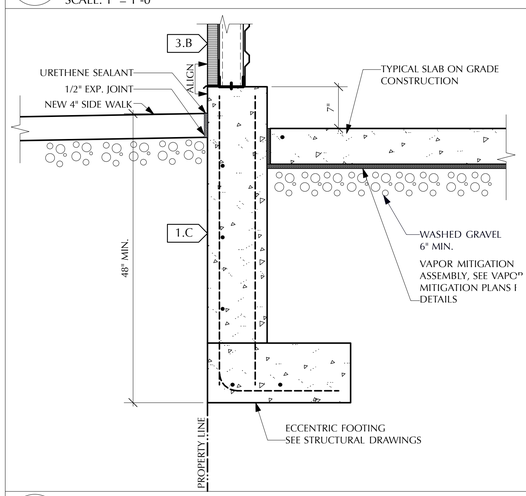
6 BEARING WALL @ TYPICAL ROOF
SCALE: 1" = 1'-0"



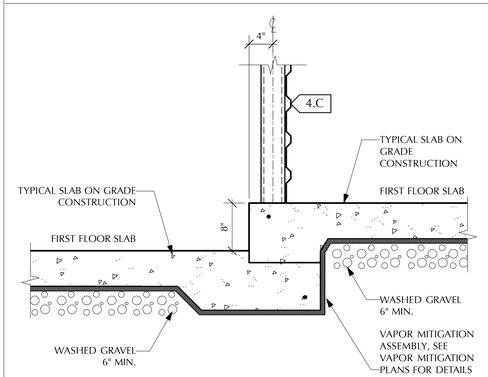
7 PARAPET @ WATER DETENTION AREA
SCALE: 1" = 1'-0"



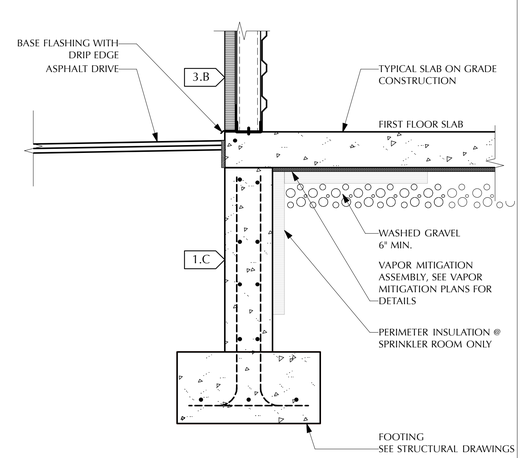
8 HEAD CONDITION @ ROLL UP DOOR
SCALE: 1" = 1'-0"



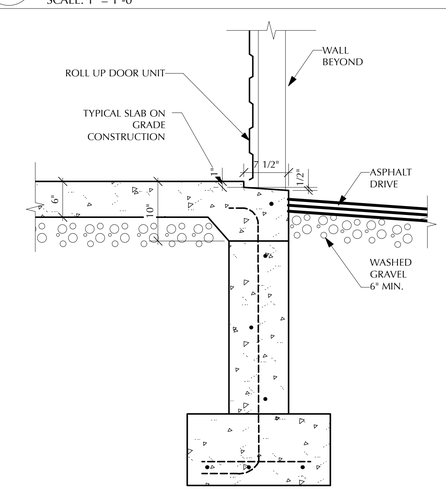
9 FOUNDATION @ STREET WALL
SCALE: 1" = 1'-0"



10 STEP IN FLOOR SLAB
SCALE: 1" = 1'-0"



11 FOUNDATION @ EAST ELEVATION
SCALE: 1" = 1'-0"



12 FOUNDATION @ ROLL UP DOOR
SCALE: 1" = 1'-0"

ISSUE DATE:

1	Permit Set	05/23/13
2	Permit Set 1 Story	02/03/14

REVISION DATE:

Stillwell Avenue Self Storage - Bldg. B

Stillwell Self Storage LLC
1540 Bassett Ave.
Bronx, NY

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800 W. Broad St. Suite 363
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13 OF 13

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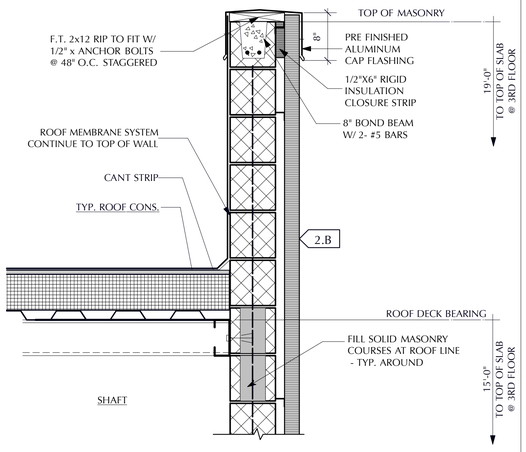
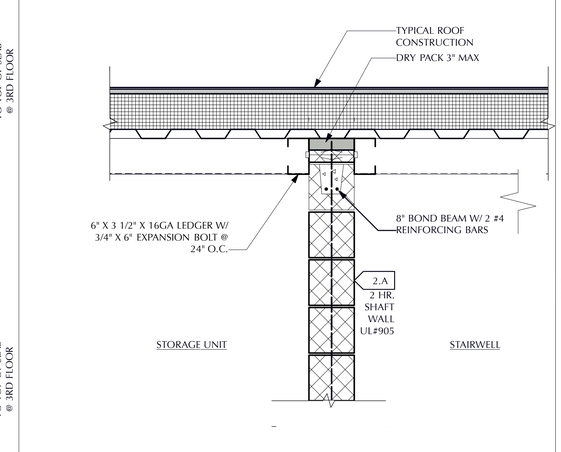


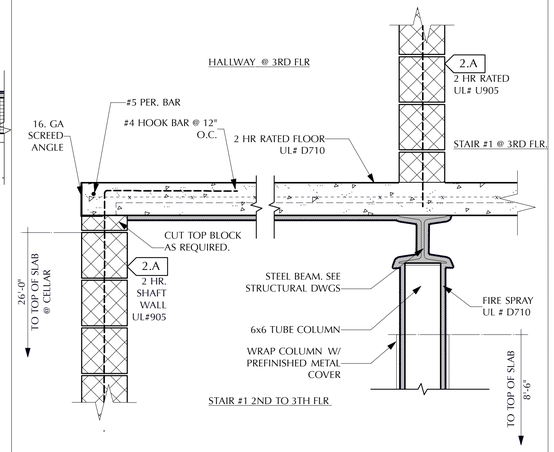
1 TYP. PARAPET @ STAIRWELL

SCALE: 1" = 1'-0"



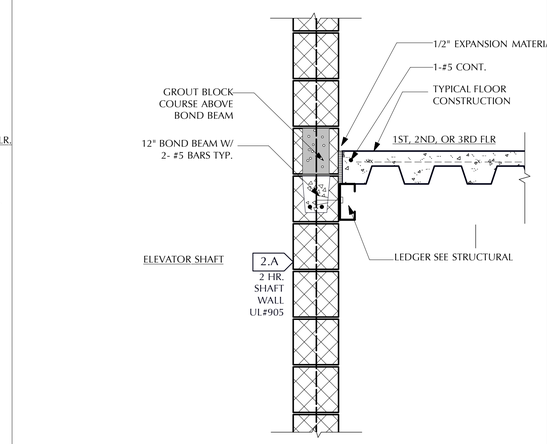
2 STAIRWELL / ELEVATOR ROOF CONECTION

SCALE: 1" = 1'-0"



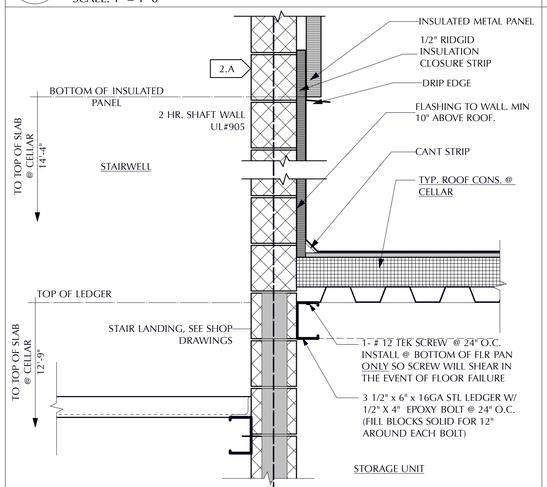
3 STAIR #1 PARTIAL SECTION @ 3TH FLR

SCALE: 1" = 1'-0"



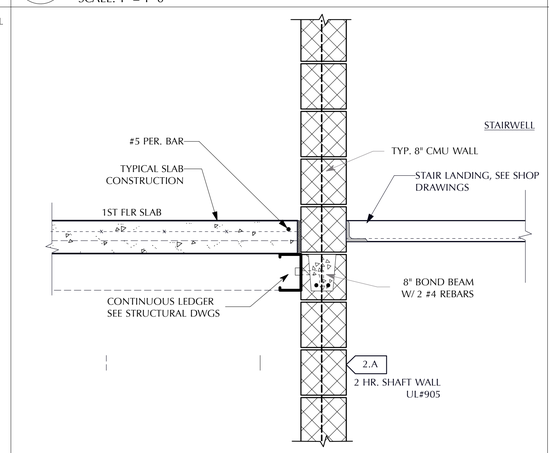
4 ELEVATOR SHAFT @ TYP. FLR CONSTRUCTION

SCALE: 1" = 1'-0"



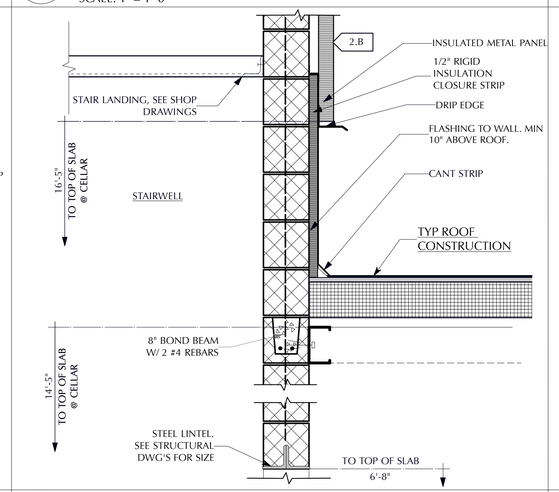
5 TYP. STAIRWELL WALL @ LOWER ROOF

SCALE: 1" = 1'-0"



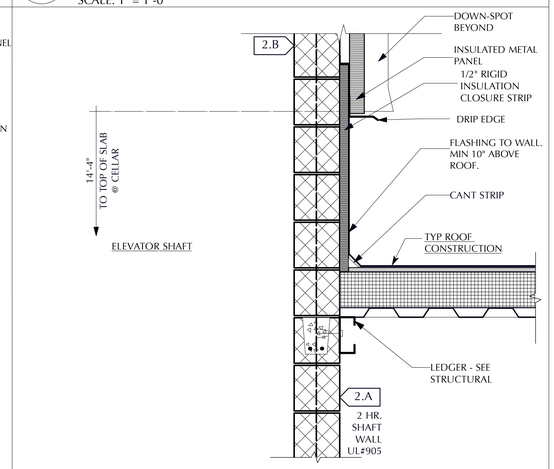
6 TYP. STAIRWELL WALL @ 1ST FLR SLAB

SCALE: 1" = 1'-0"



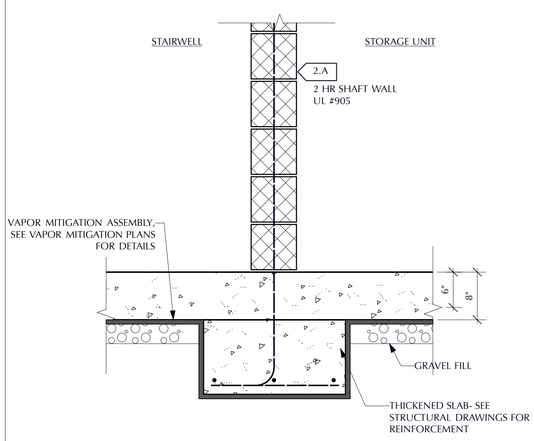
7 STAIRWELL WALL @ LOWER EGRESS CORRIDOR

SCALE: 1" = 1'-0"



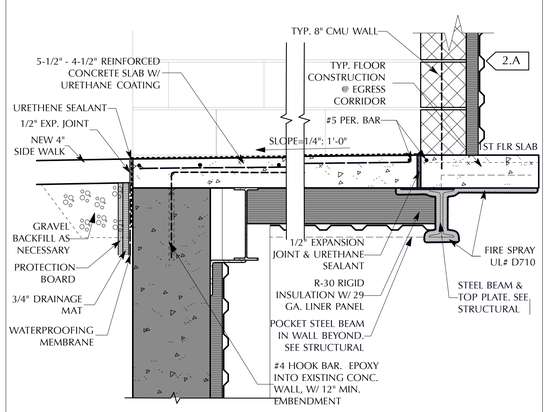
8 ELEVATOR SHAFT @ LOWER ROOF

SCALE: 1" = 1'-0"



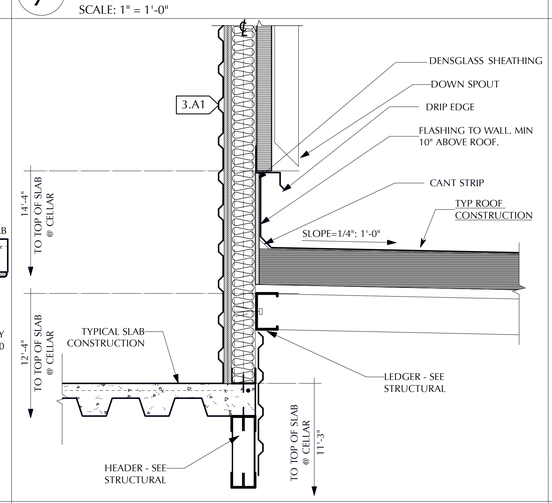
9 TYP. STAIRWELL WALL @ SLAB ON GRADE

SCALE: 1" = 1'-0"



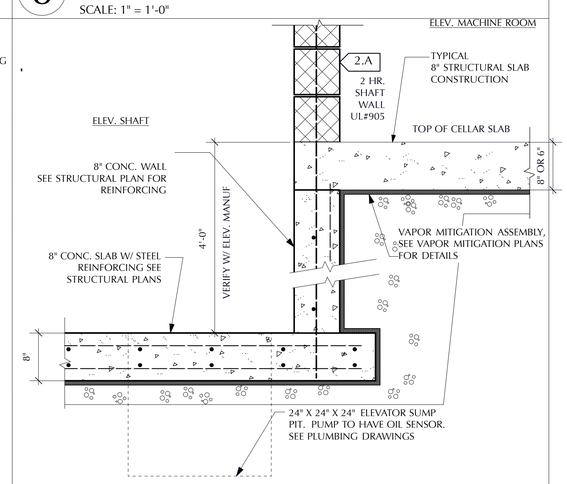
10 EGRESS EXIT @ STILLWELL AVE. DETAIL

SCALE: 1" = 1'-0"



11 EXTERIOR WALL @ LOWER ROOF DETAIL

SCALE: 1" = 1'-0"



12 TYP. ELEVATOR PIT FOUNDATION

SCALE: 1" = 1'-0"

Thursday, September 9, 2004
New Detail Master

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Stillwell Avenue Self Storage - Bldg. A

Stillwell Self Storage LLC
1538 Stillwell Ave.
Bronx, NY

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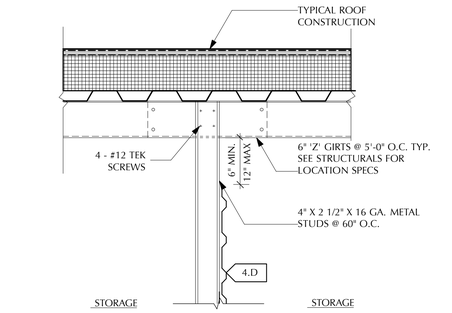
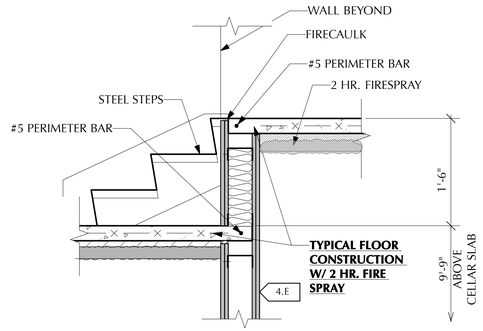


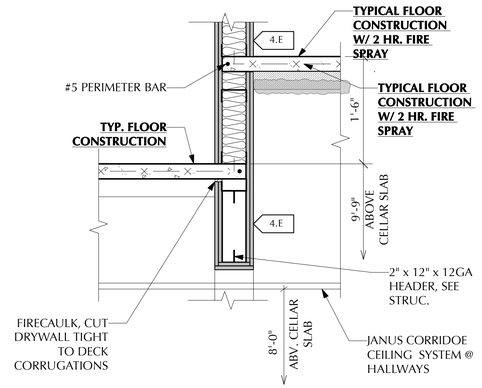
1 TYP. BEARING WALL @ ROOF

SCALE: 1" = 1'-0"



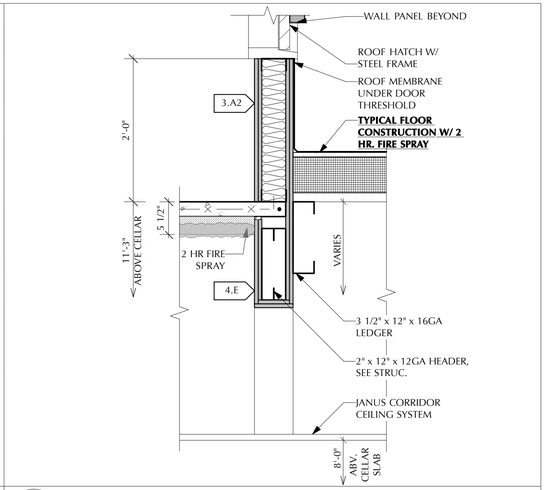
2 METAL STAIR @ EGRESS CORRIDOR

SCALE: 1" = 1'-0"



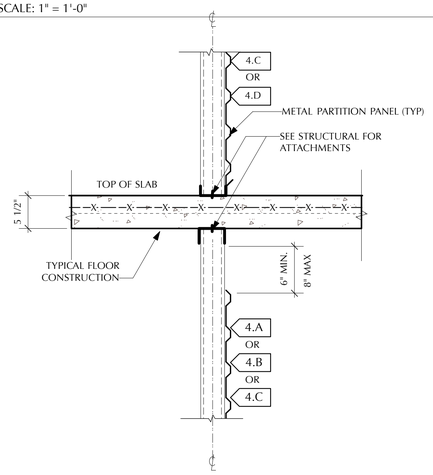
3 EGRESS CORRIDOR WALL DETAIL

SCALE: 1" = 1'-0"



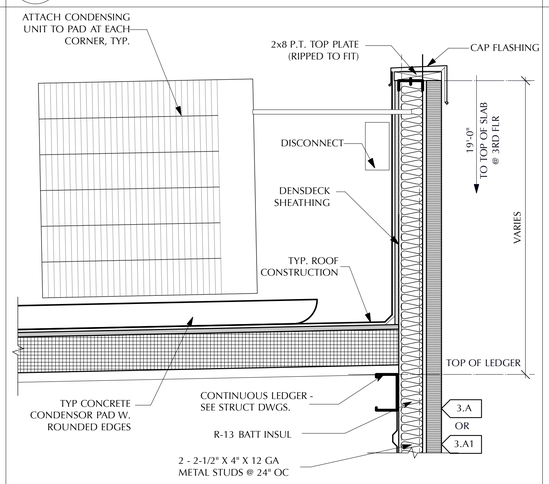
4 EGRESS CORRIDOR @ LOWER ROOF

SCALE: 1" = 1'-0"



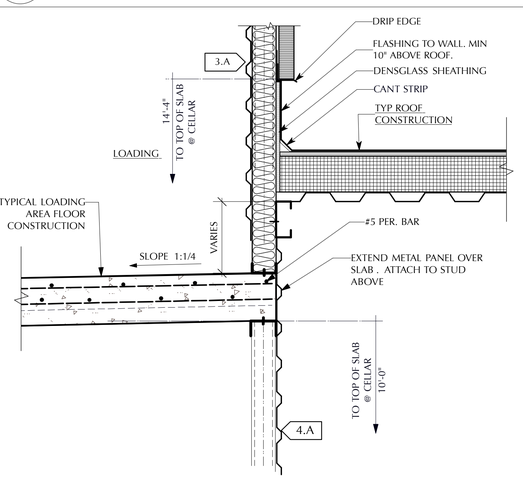
5 TYP. BEARING WALL @ INTERMEDIATE FLR.

SCALE: 1" = 1'-0"



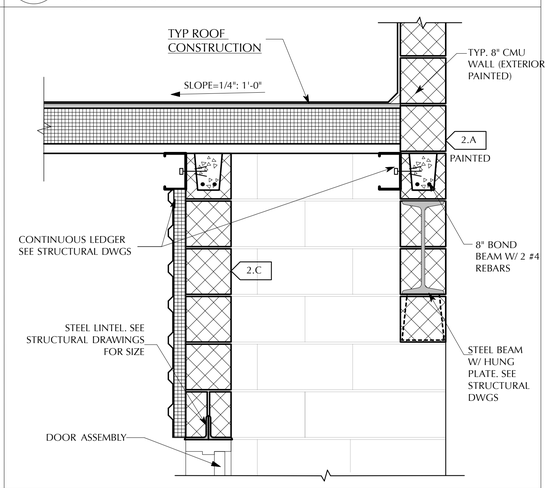
6 TYP. PARPET @ UPPER ROOF

SCALE: 1" = 1'-0"



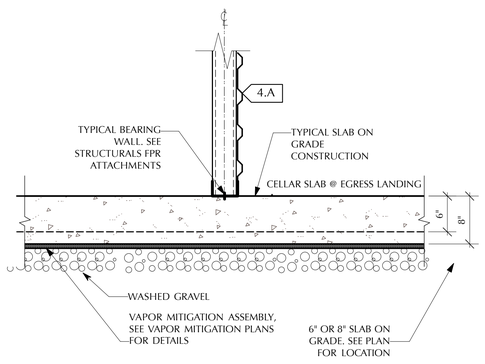
7 LOADING AREA WALL @ LOWER ROOF

SCALE: 1" = 1'-0"



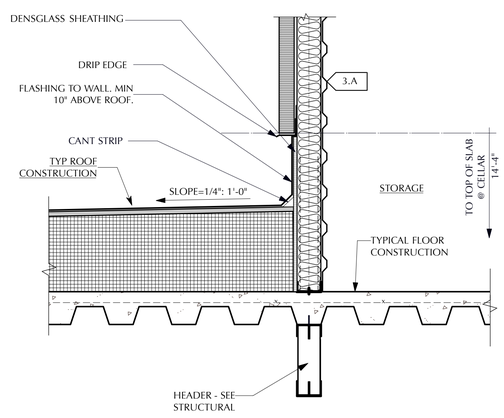
8 TYP. CELLAR EGRESS DOOR HEADER

SCALE: 1" = 1'-0"



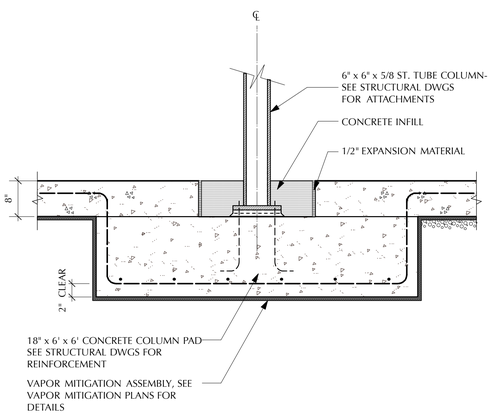
9 TYP. STEP @ THE CELLAR SLAB

SCALE: 1" = 1'-0"



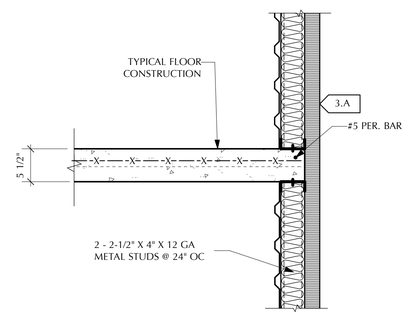
10 EXTERIOR WALL @ LOWER ROOF

SCALE: 1" = 1'-0"



11 COLUMN BASE DETAIL

SCALE: 3/4" = 1'-0"



12 TYP. EXTERIOR WALL @ UPPER FLOORS

SCALE: 1" = 1'-0"

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Stillwell Avenue Self Storage - Bldg. A

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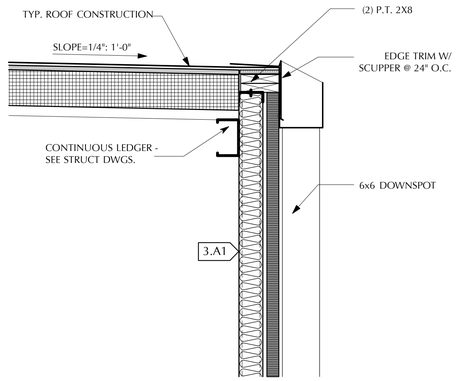
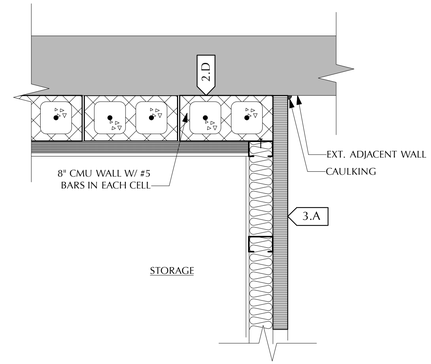
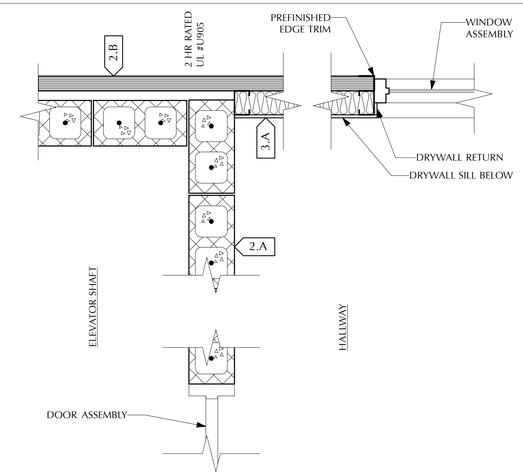


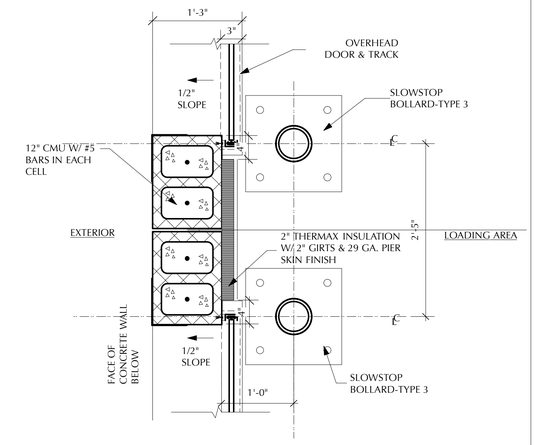
1 TYP. SCUPPER DETAIL
SCALE: 1" = 1'-0"



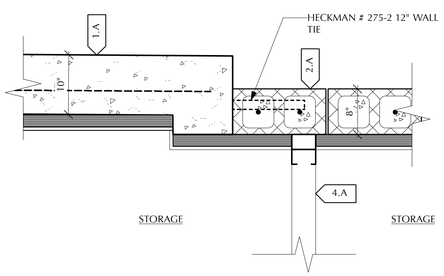
2 CMU WALL TO STUD WALL @ LOADING
SCALE: 1" = 1'-0"



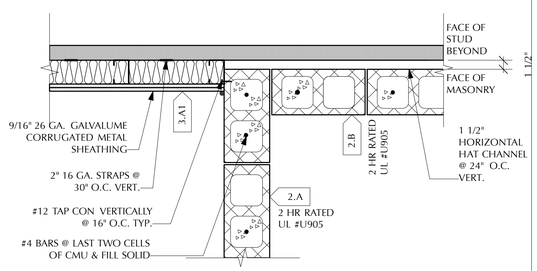
3 CMU WALL PLAN @ ELEVATOR SHAFT
SCALE: 1" = 1'-0"



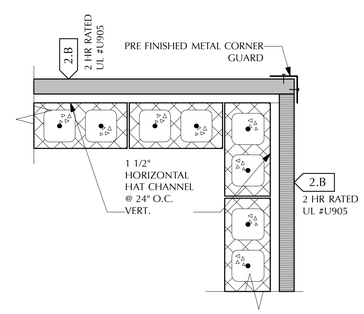
4 TYP. CMU PIER DETAIL @ LOADING
SCALE: 1" = 1'-0"



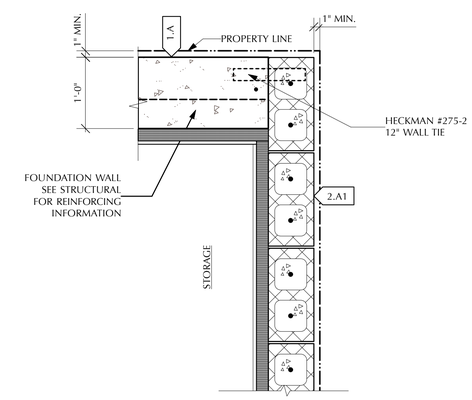
5 FOUNDATION TO CMU WALL @ CELLAR
SCALE: 1" = 1'-0"



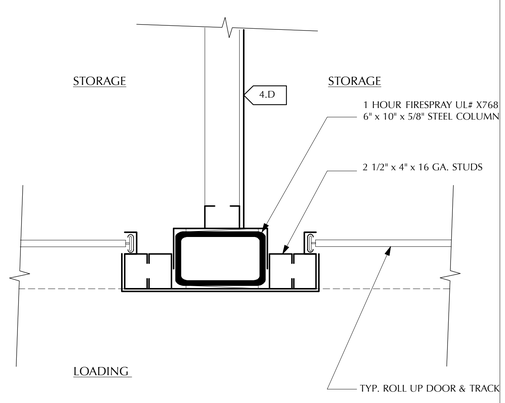
6 EXTERIOR 2HR RATED CMU WALL
SCALE: 1" = 1'-0"



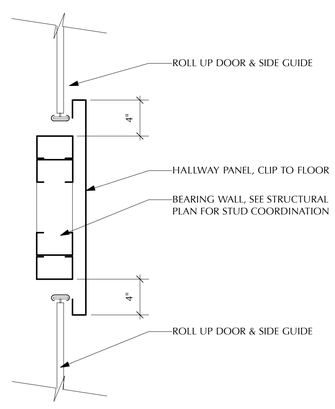
7 STAIR EXTERIOR CORNER PLAN
SCALE: 1" = 1'-0"



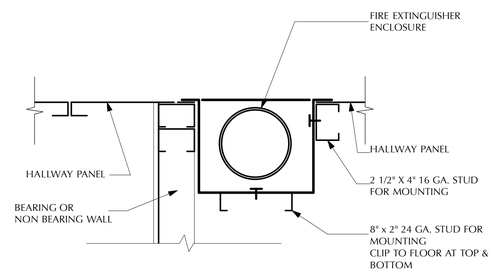
8 FOUNDATION TO CMU WALL @ BASSET AV
SCALE: 1" = 1'-0"



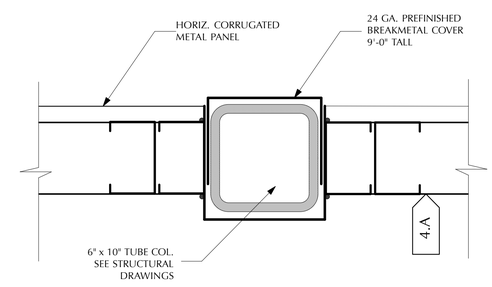
9 TYP. STEEL COLUMN @ STORAGE UNIT
SCALE: 1-1/2" = 1'-0"



10 ROLL UP DOOR @ BEARING WALL
SCALE: 1-1/2" = 1'-0"



11 FIRE EXTINGUISHER PLAN DETAIL
SCALE: 1-1/2" = 1'-0"



12 TYP. COLUMN @ CELLAR
SCALE: 3" = 1'-0"

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Stillwell Avenue Self Storage - Bldg. A

Stillwell Self Storage LLC
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Bronx, NY

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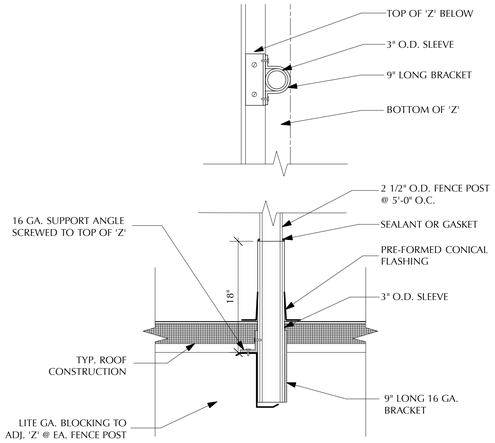
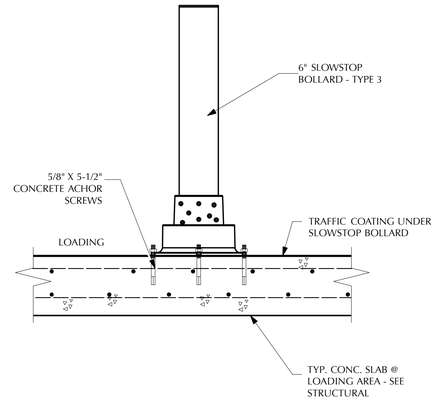


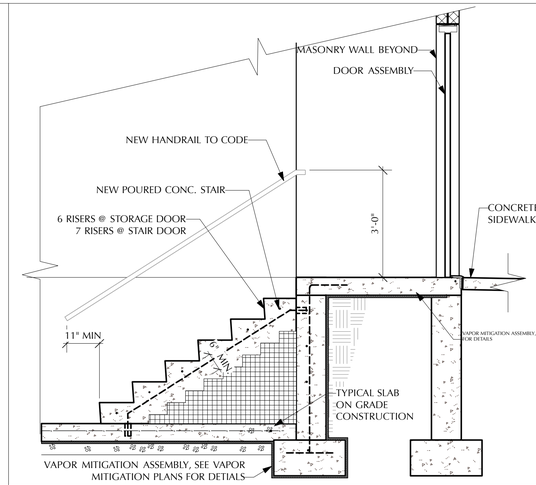
1 ROOF POST DETAIL

SCALE: 1 1/2" = 1'-0"



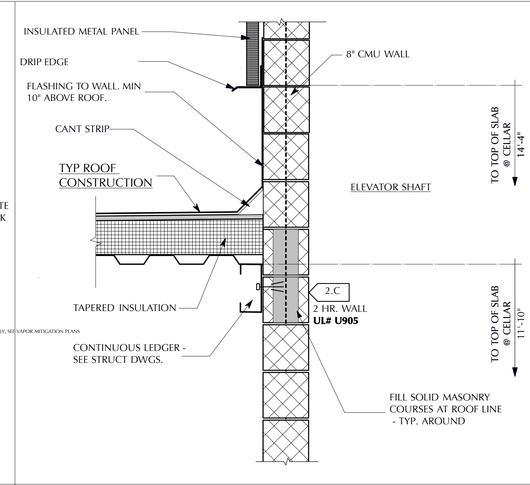
2 INTERIOR BOLLARD DETAIL

SCALE: 1" = 1'-0"



3 CELLAR EGRESS STAIR DETAIL

SCALE: 1/2" = 1'-0"

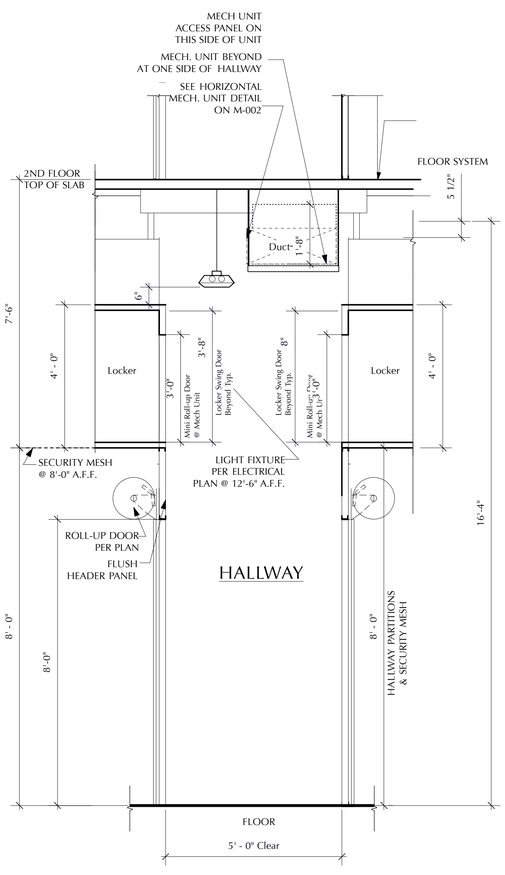


4 ELEVATOR SHAFT @ LOADING ROOF

SCALE: 1" = 1'-0"

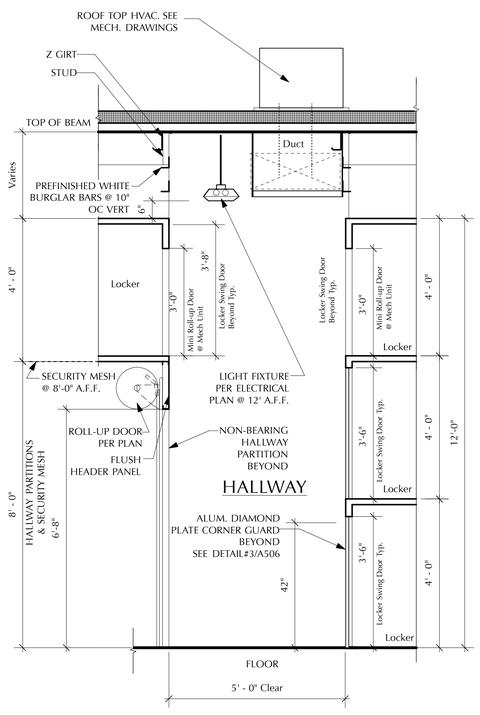
NOTES:

- MECHANICAL UNITS MUST BE SET AS CLOSE TO THE UNDERSIDE OF FLOOR DECK TO ELIMINATE ANY CONFLICTS WITH LOCKER DOORS
- CONTRACTOR IS TO MOUNT MECH. UNITS WITH 1'-8" DIMENSION AS HEIGHT OF UNIT.
- CONTRACTOR IS TO MOUNT MECH UNIT CLOSE TO ONE SIDE OF HALLWAY FOR UNIT ACCESS PANEL AND CENTERED BETWEEN BEAMS (TO AVOID BEAMS)



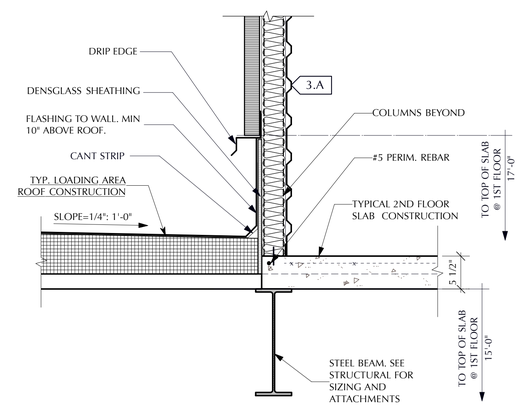
7 TYP. HALLWAY SECTION @ 1ST FLOOR

SCALE: 1/2" = 1'-0"



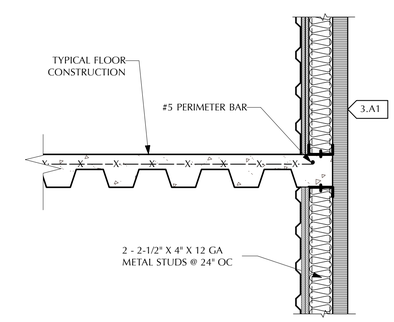
8 TYP. HALLWAY SECTION @ 3TH FLOOR

SCALE: 1/2" = 1'-0"



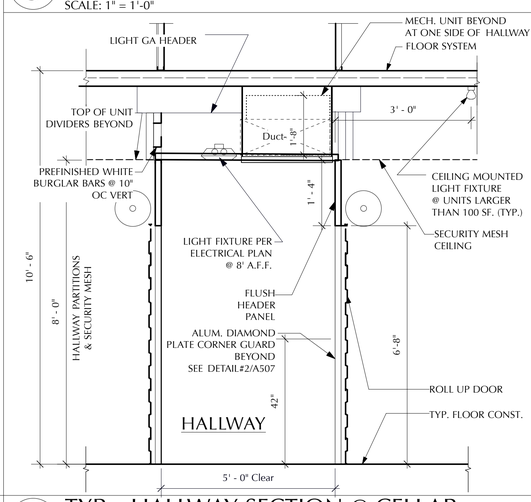
5 EXTERIOR WALL @ LOADING ROOF

SCALE: 1" = 1'-0"



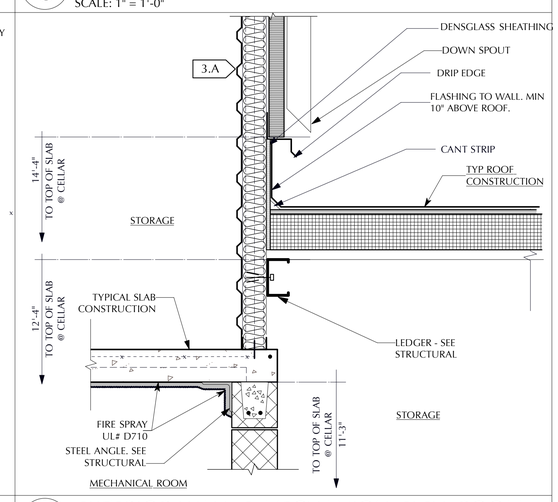
6 1HR RATED WALL DETAIL

SCALE: 1" = 1'-0"



9 TYP. HALLWAY SECTION @ CELLAR

SCALE: 1/2" = 1'-0"



10 EXTERIOR WALL @ MECHANICAL ELEV. ROOM

SCALE:1" = 1'-0"

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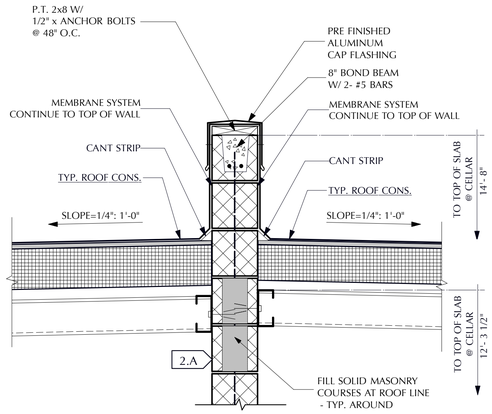
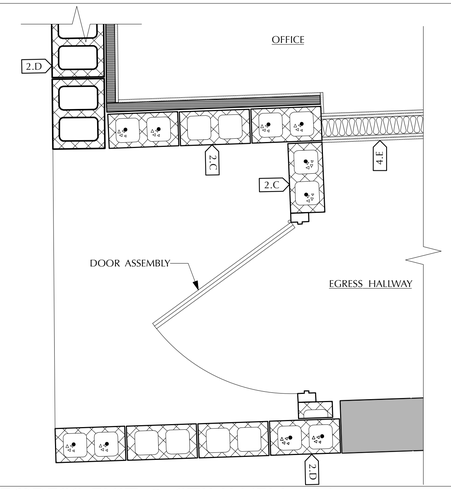


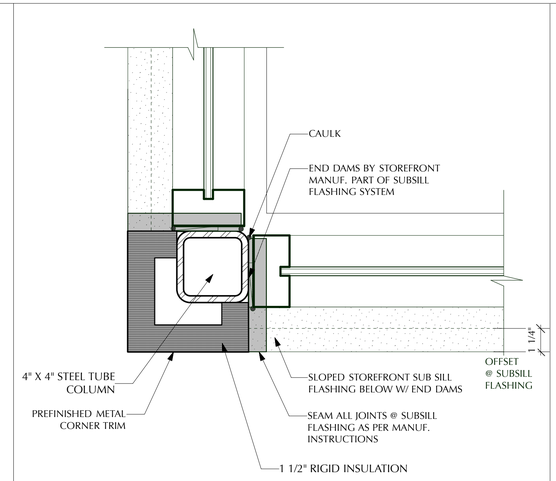
1 WEIR WALL @ LOWER ROOF DETAIL

SCALE: 1" = 1'-0"



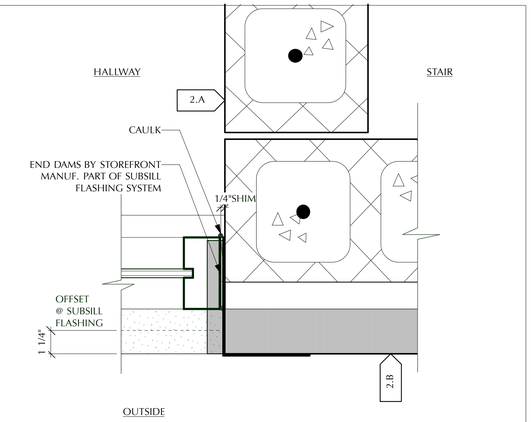
2 EGRESS EXIT @ STILLWELL AV

SCALE: 3/4" = 1'-0"



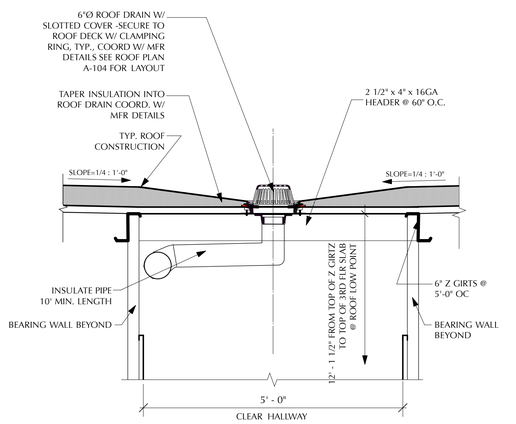
3 STOREFRONT SYSTEM CORNER DETAIL

SCALE: 3" = 1'-0"



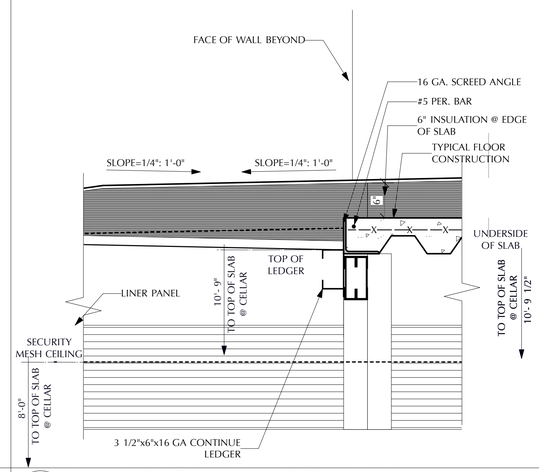
4 HALLWAY STOREFRONT @ STAIR

SCALE: 3" = 1'-0"



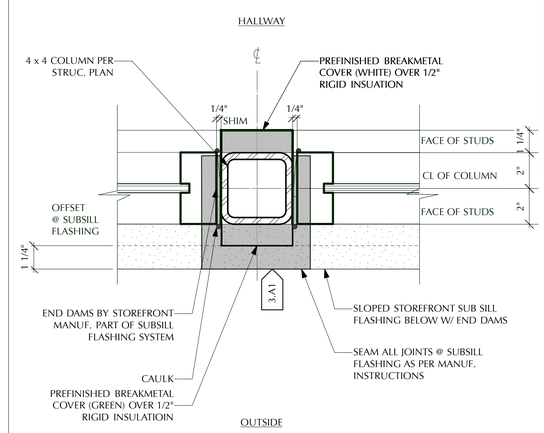
5 TYP. ROOF DRAIN DETAIL

SCALE: 3/4" = 1'-0"



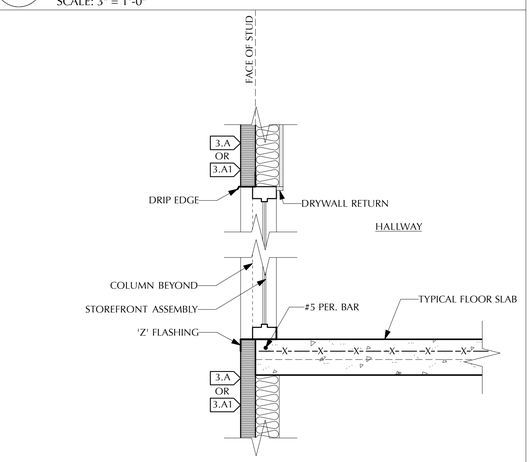
6 1 FLR DECK EXTENSION DETAIL

SCALE: 1" = 1'-0"



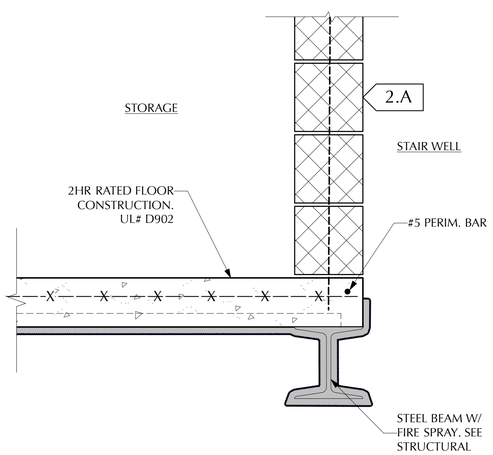
7 COLUMN @ HALLWAY STORE FRONT

SCALE: 3" = 1'-0"



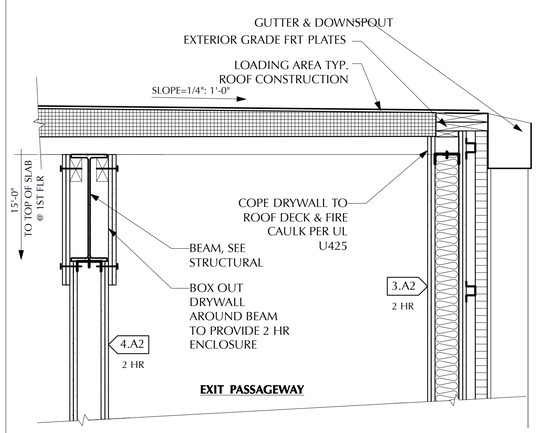
8 3TH FLOOR WINDOWS SECTION DETAIL

SCALE: 1" = 1'-0"



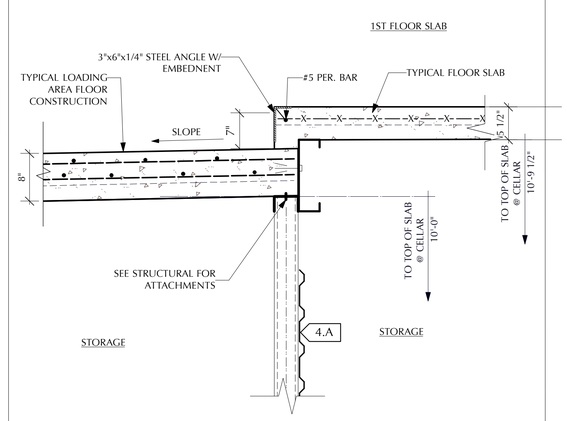
9 RATED FLOOR @ STAIR #2 DETAIL

SCALE: 1 1/2" = 1'-0"



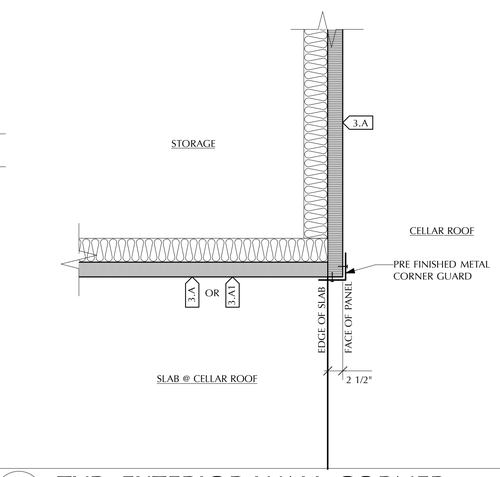
10 ROOF @ EGRESS HALLWAY DETAIL

SCALE: 1" = 1'-0"



11 STEP @ LOADING AREA SLAB

SCALE: 1" = 1'-0"



12 TYP. EXTERIOR WALL CORNER

SCALE: 1" = 1'-0"

ISSUE DATE:	
1 Permit Set	05/23/13

REVISION DATE:	
2 Permit Comments #2	10/31/13

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Bronx, NY

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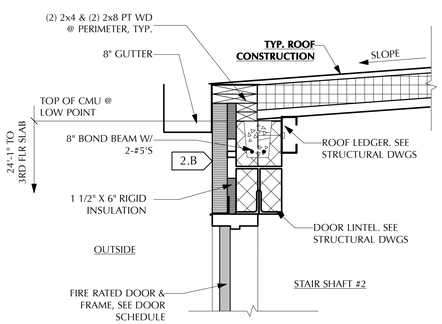
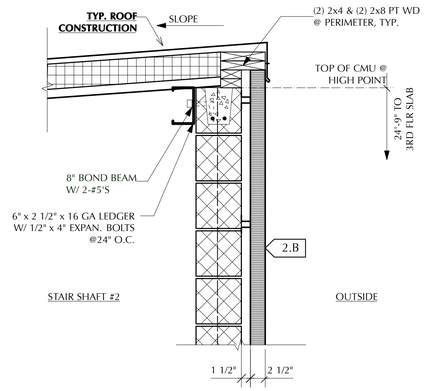
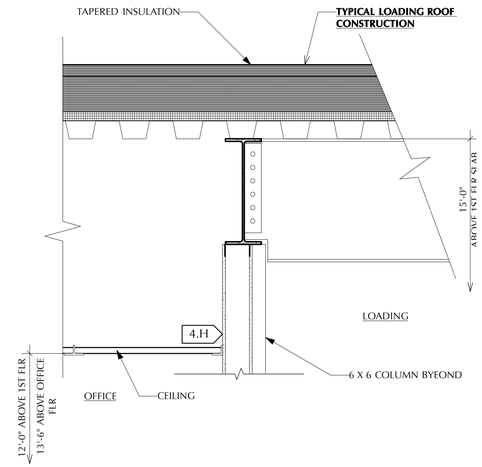


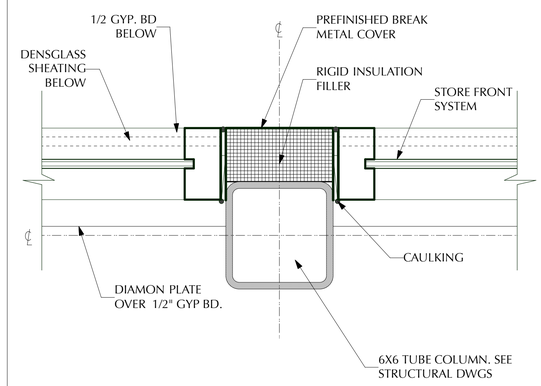
1 LOW POINT ROOF DETAIL @ STAIR #2
SCALE: 1" = 1'-0"



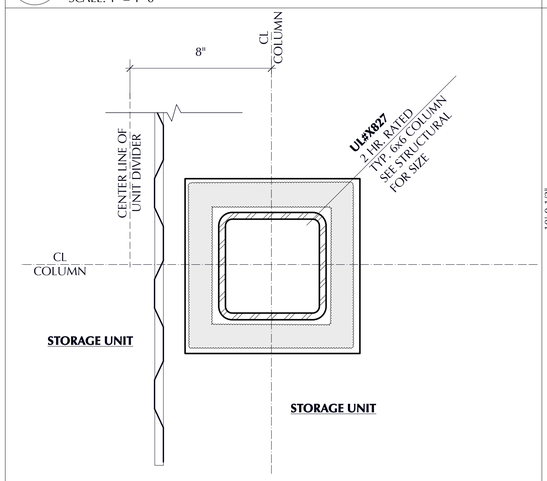
2 HIGH POINT ROOF DETAIL @ STAIR #2
SCALE: 1" = 1'-0"



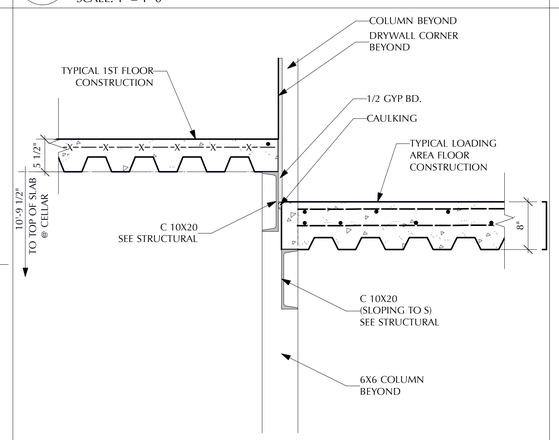
3 POST & BEAM DETAIL @ OFFICE WALL
SCALE: 1" = 1'-0"



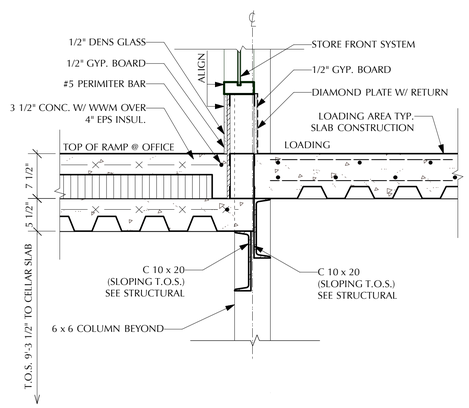
4 COLUMN @ OFFICE STORE FRONT
SCALE: 3" = 1'-0"



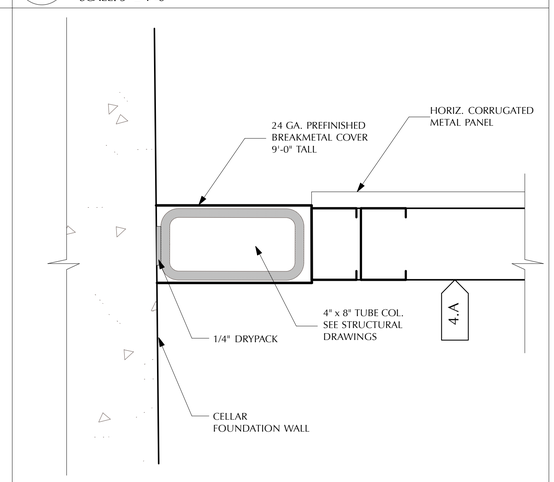
5 TYP. 2HR RATEED COLUMN PLAN
SCALE: 3" = 1'-0"



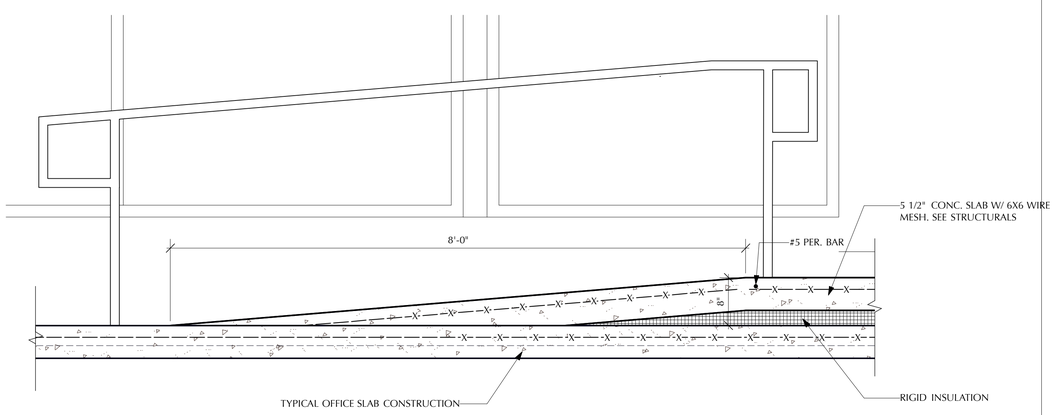
6 LOADING & 1ST FLR. SLAB DETAIL
SCALE: 1" = 1'-0"



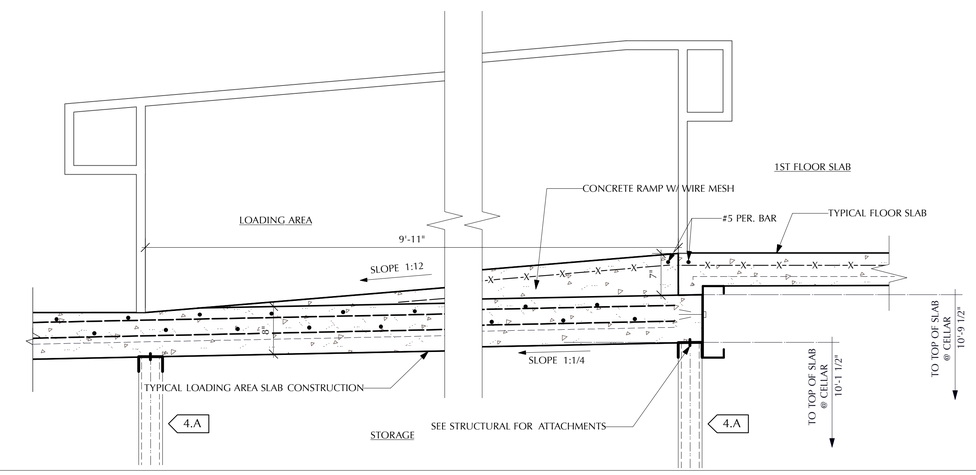
7 OFFICE RAMP & LOADING SLAB DETAIL
SCALE: 1" = 1'-0"



8 TYP. COLUMN DETAIL @ UNDERPINING
SCALE: 3" = 1'-0"



9 RAMP @ OFFICE
SCALE: 1" = 1'-0"



10 RAMP @ LOADING
SCALE:1" = 1'-0"

ISSUE DATE:	
1 Permit Set	05/23/13

REVISION DATE:	
2 Permit Comments #2	10/31/13

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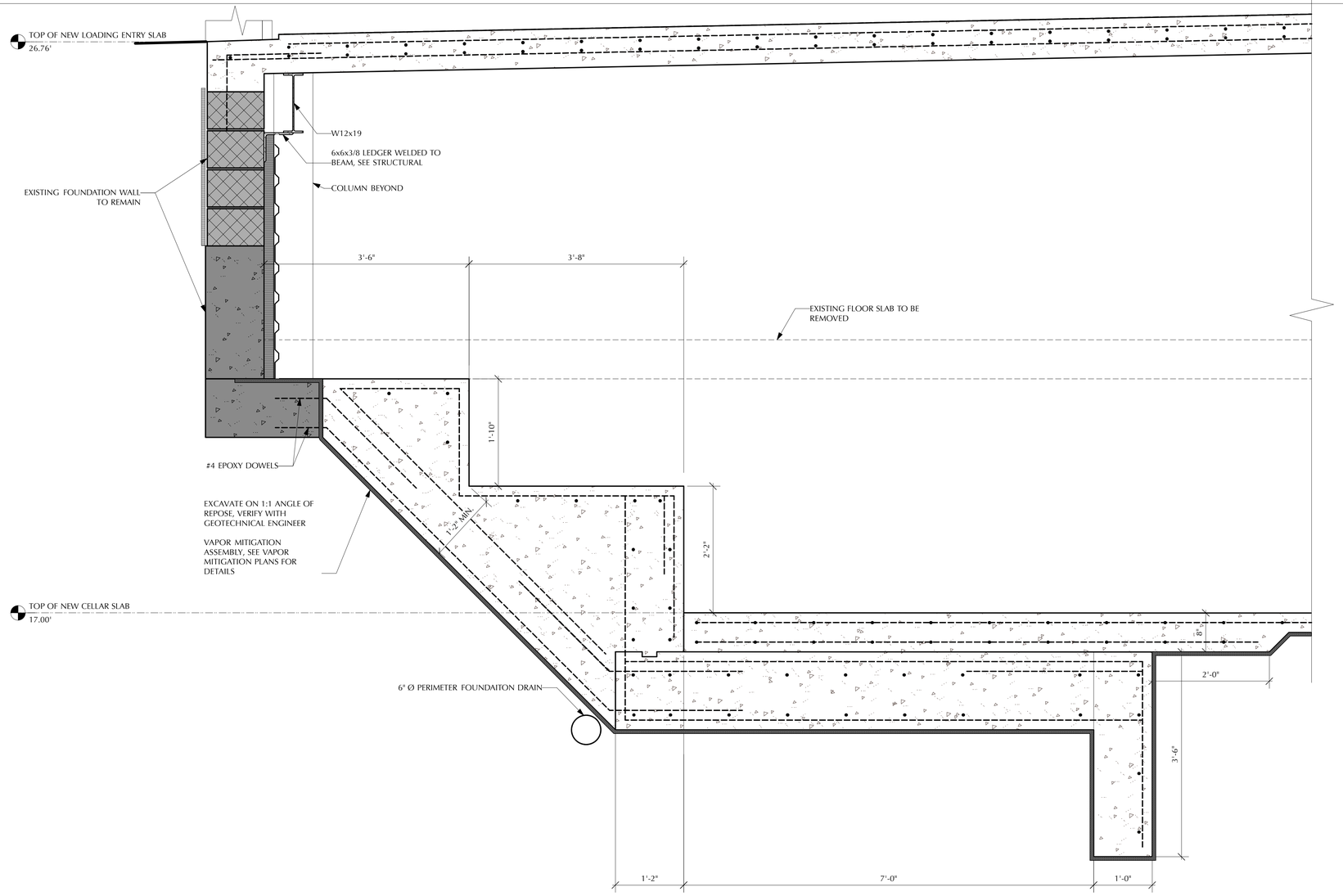

1 FOUNDATION @ STILLWELL AVE.

SCALE: 1" = 1'-0"

2 NOT USED

SCALE:

3 NOT USED

SCALE:

4 NOT USED

SCALE:

5 NOT USED

SCALE:

ISSUE DATE:

1 Permit Set 05/23/13

REVISION DATE:

2 Permit Comments #2 10/31/13

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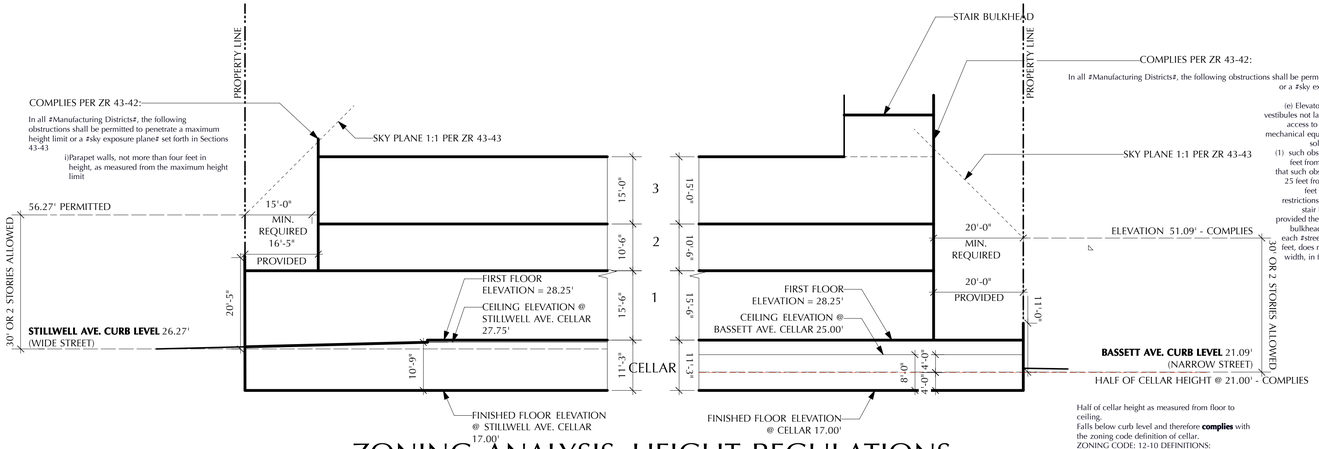


ZONING ANALYSIS: HEIGHT REGULATIONS

Scale: 1/16" = 1'-0"

ZONING SUMARY				MAY 20TH, 2013
ZONE:	M1-1			PREPARED BY JACK WILBERN RA
BLOCK:	4219			
LOT:	16			
ZONING MAP NUMBER:	4A			
TOTAL SITE AREA BLOCK 4219 LOT 16:	22,295 SF	* SEE PROVIDED SURVEY FOR VERIFICATION OF ZONING LOT AREA		
BUILDING AREAS:				
CELLAR FLOOR AREA	22,132 SF			
1ST FLOOR AREA	9,652 SF			
2ND FLOOR AREA	6,858 SF			
3RD FLOOR AREA	+ 6,858 SF			
TOTAL BUILT AREA:	45,500 SF			
BUILDING AREA DEDUCTIONS:				
LOADING AREA	1,200 SF	*ALLOWED ACCESORY OFF-STREET LOADING BERTHS FAR EXCLUSION SEE NOTE #4		
CELLAR AREA	+ 22,132 SF	*ALLOWED CELLAR FAR EXCLUSION PER ZR12_10 #FLOOR AREA# (1)		
TOTAL BUILDING AREA DEDUCTIONS:	23,332 SF			
	45,500 SF	TOTAL BUILT AREA		
	- 23,332 SF	TOTAL BUILDING AREA DEDUCTIONS		
TOTAL FLOOR AREA BASED ON FAR	22,168 SF			
ZONING REGULATION	**PERMITTED/REQUIRED**	**PROPOSED**	**COMPLIES**	**APPLICABLE ZR SECTION**
ZONING USE GROUP		16D	YES	32_25 & 42_12
MAX FLOOR AREA BASED ON FAR	22,295 SF	22,168 SF	YES	12_10 SEE NOTE #1
MAX FLOOR AREA RATIO (FAR)	1	.994	YES	43_12
MIN. REAR YARD EQUIVALENT	20 FT	20 FT	YES	43_28
MIN SIDE YARD	0 FT	0 FT	YES	43_25
FRONT YARD	0 FT	0 FT	YES	43_43
MAX BUILDING HEIGHT AT STREET	30 FT	20 FT	YES	43_43
MAX BUILDING HEIGHT (STORIES) AT STREET	2	1	YES	43_43
INITIAL SETBACK & SKYPLANE @ STILLWELL AVE.	15 / 1:1	15 / 1:1	YES	43_43
INITIAL SETBACK & SKYPLANE @BASSETT AVE.	15 / 1:1	15 / 1:1	YES	43_43
NO. PARKING SPACES	1	1	YES	44_21 & 32_25 SEE NOTE #2
NO. OF LOADING BERTHS	1	1	YES	44_52 SEE NOTE #3
SIZE OF LOADING BERTHS	50' X 12' X 14'	50' X 12' X 14'	YES	44_52

NOTES:

1) MAX FLOOR AREA BASED ON FAR OF 1 FOR ENTIRE SITE

MAX FAR ALLOWED = 1		PER ZR 43_12		
TOTAL ZONING LOT AREA = 22,295SF		PER PROVIDED SURVEY		
TOTAL FLOOR AREA BASED ON FAR = 22,258SF				
FAR = TOTAL FLOOR AREA / TOTAL ZONING LOT AREA		**MAX FAR ALLOWED**	**FAR PROPOSED**	**COMPLIES**
22,168 SF / 22,295 SF = .994 FAR		1	0.994	YES

2) ACCESSORY OFF STREET PARKING SPACES REQUIRED FOR DISTRICT M1-1 USE GROUP 16D PARKING REQUIREMENT CATEGORY G PER ZR 44_21 & ZR 32_25

1 PER 2,000SF OF #FLOOR AREA#, OR 1 PER 3 EMPLOYEES, WHICHEVER WILL REQUIRE A LESSER NUMBER OF SPACES - M1-1-M1-2-M1-3

NUMBER OF SPACES REQUIRED FOR 3 EMPLOYEES = 1
NUMBER OF EMPLOYEES WORKING IN BUILDING = 3

1SPACE/3 EMPLOYEES X 3 EMPLOYEES = 1 SPACE REQUIRED

3) ACCESSORY OFF-STREET LOADING BERTHS REQUIRED FOR USE GROUP 16D PER ZR 44_52

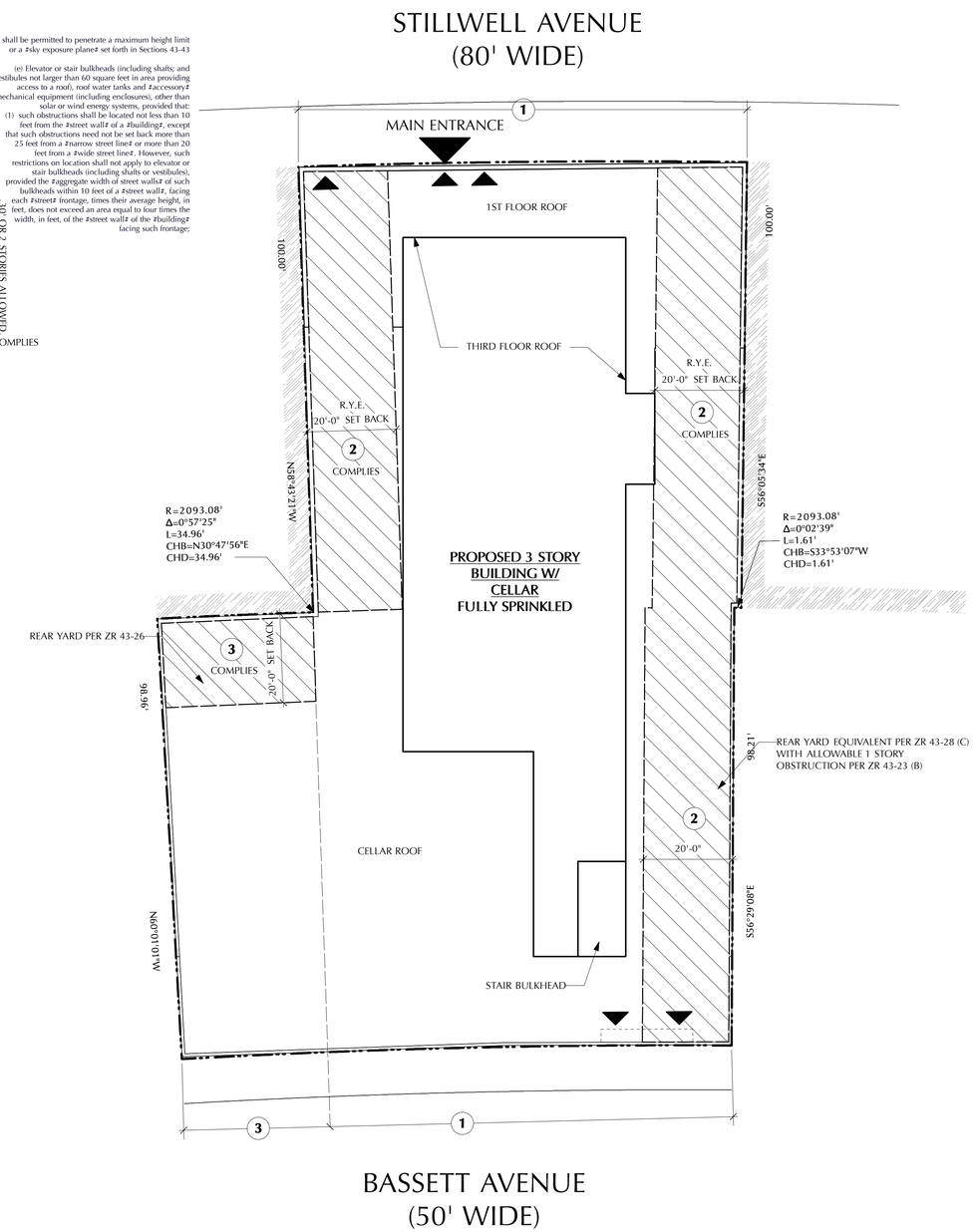
REQUIRED	**PROPOSED**	**COMPLIES**
0 BERTHS FOR FIRST 8,000 SF	0 BERTHS FOR FIRST 8,000 SF	YES
1 BERTH FOR NEXT 17,000 SF	1 BERTH FOR NEXT 17,000 SF	YES
I BERTH FOR NEXT 15,000 SF	N/A	N/A
1 BERTH FOR EACH ADDIITONAL 80,000 SF	N/A	N/A
1 BERTH	1 BERTH	YES

4) ALLOWED ACCESSORY OFF-STREET LOADING BERTHS FAR EXCLUSION PER ZR 12_10 #FLOOR AREA# (7)

THE FLOOR AREA OF A BUILDING SHALL NOT INCLUDE: FLOOR SPACE USED FOR ACCESSORY OFF-STREET LOADING BERTHS, UP TO 200% OF THE AMOUNT REQUIRED BY THE APPLICABLE DISTRICT REGULATION

NUMBER OF LOADING BERTHS REQUIRED = 1				PER ZR 44_52
AREA OF LOADING BERTH REQUIRED = 600 SF				PER ZR 44_52
ACCESSORY OFF-STREET LOADING BERTH FAR EXCLUSION ALLOWED = 200% REQUIRED LOADING AREA				PER ZR 12_10

1 X 600SF = 600SF
600SF X 200% = 1,200SF LOADING FAR EXCLUSION



ZONING ANALYSIS: YARD REGULATIONS

Scale: 1/16" = 1'-0"

ZONING ANALYSIS SUMMARY FOR YARD REGULATIONS

NUMBER	ZONING DEFINITION	REMARKS	CODE SECTION	COMPLIES
1	Through Lot	Rear yard equivilent per ZR 43-28 (c) 1 story obstruction allowed per ZR 43-23 (b)	**ZR 43-23 Permitted Obstructions in Rear Yards or Rear Yard Equivalents** (b) Any building or portion of a building used for any permitted use ....and provided that the height of such building shall not exceed one story...nor in any event 23 feet above curb level	YES
2	Rear Yard Equivalent	Rear Yard Equivelent per ZR 43-28 (c) 1 story obstruction allowed per ZR 43-23 (b)	**ZR 43-28 Special Provisions for Through Lots** (c) an open area adjoining and extending along the full lenght of each side lot line with a minimum width of 20 feet measured from such side lot line.	YES
3	Interior Lot Portion	20' Rear Yard Provided 1 story obstruction allowed per ZR 43-23 (b)	**ZR 43-26 Rear Yards** a rear yard with a depth of not less than 20' shall be provided at all rear lot lines	YES

ISSUE DATE:

1	Permit Set	05/23/13

REVISION DATE:

1	Permit Comments	10/01/13
2	Permit Comments #2	10/31/13
3	Permit Comments #3	12/13/13

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ZONING ANALYSIS

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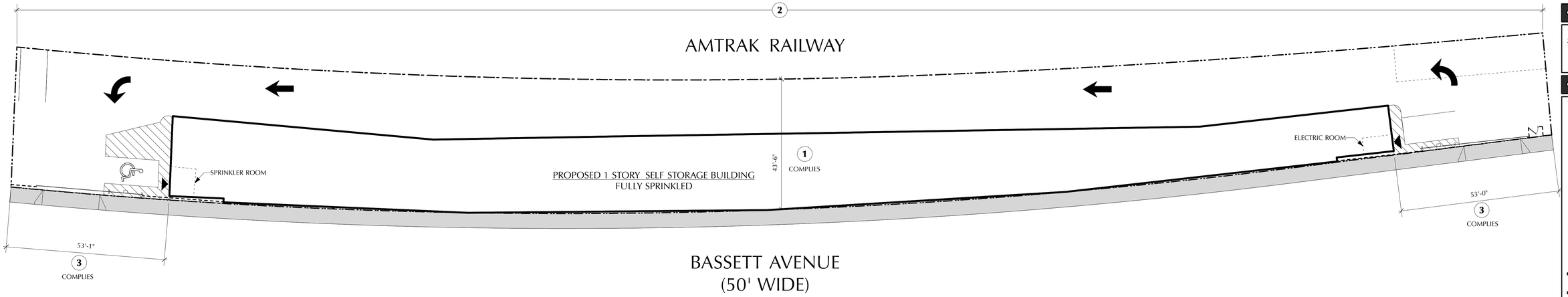


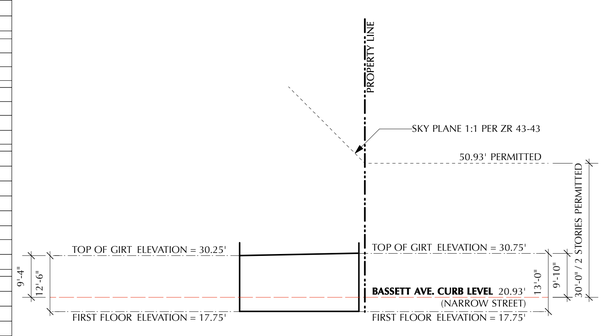
ZONING ANALYSIS: YARD REGULATIONS

Scale: 1/16" = 1'-0"

ZONING SUMARY				MAY 20TH, 2013
ZONE:	M1-1			PREPARED BY JACK WILBERN RA
BLOCK:	4226			
LOT:	290			
ZONING MAP NUMBER:	4A			
TOTAL SITE AREA BLOCK 4226 LOT 290:	21,854 SF	* SEE PROVIDED SURVEY FOR VERIFICATION OF ZONING LOT AREA		
BUILDING AREAS:				
1ST FLOOR AREA	9,271 SF			
TOTAL FLOOR AREA BASED ON FAR	9,271 SF			
	PROPOSED	ALLOWED	COMPLIES	
TOTAL FLOOR AREA (FAR)	9,271 SF	21,854	YES	
TOTAL BUILT AREA	18,542 SF			
ZONING REGULATION	**PERMITTED/REQUIRED**	**PROPOSED**	**COMPLIES**	**APPLICABLE ZR SECTION**
ZONING USE GROUP		16D	YES	32_25 & 42_12
MAX FLOOR AREA BASED ON FAR	21,854 SF	9,271 SF	YES	12_10 SEE NOTE #1
MAX FLOOR AREA RATIO (FAR)	1	.424	YES	43_12
MIN. REAR YARD	0 FT	18 FT	YES	43_29 & 43_27
MIN SIDE YARD	0 FT	53 FT	YES	43_25
FRONT YARD	0 FT	0 FT	YES	43_43
MAX BUILDING HEIGHT AT STREET	30 FT	15'-6"	YES	43_43
MAX BUILDING HEIGHT (STORIES) AT STREET	2	1	YES	43_43
INITIAL SETBACK & SKYPLANE @BASSETT AVE.	20 / 1:1	20/ 1:1	YES	43_43
NO. PARKING SPACES	1	3	YES	44_21 SEE NOTE #2
NO. OF LOADING BERTHS	1	1	YES	44_52 SEE NOTE #3
SIZE OF LOADING BERTHS	50' X 12' X 14'	50' X 12' X 14'	YES	44_52
NOTES:				
1) MAX FLOOR AREA BASED ON FAR OF 1 FOR ENTIRE SITE				
MAX FAR ALLOWED = 1		PER ZR 43_12		
TOTAL ZONING LOT AREA = 21,854 SF		PER PROVIDED SURVEY		
TOTAL FLOOR AREA BASED ON FAR = 9,271 SF				
FAR = TOTAL FLOOR AREA / TOTAL ZONING LOT AREA		**MAX FAR ALLOWED**	**FAR PROPOSED**	**COMPLIES**
9,271 SF / 21,854 SF = .424 FAR		1	0.424	YES
2) ACCESSORY OFF STREET PARKING SPACES REQUIRED FOR DISTRICT M1-1 USE GROUP 16D PARKING REQUIREMENT CATEGORY G PER ZR 44_21 & ZR 32_25				
1 PER 2,000SF OF #FLOOR AREA#, OR 1 PER 3 EMPLOYEES, WHICHEVER WILL REQUIRE A LESSER NUMBER OF SPACES - M1-1 M1-2 M1-3				
NUMBER OF SPACES REQUIRED FOR 3 EMPLOYEES = 1				
NUMBER OF EMPLOYEES WORKING IN BUILDING = 3				
1SPACE/3 EMPLOYEES X 3 EMPLOYEES = 1 SPACE REQUIRED				
3) ACCESSORY OFF-STREET LOADING BERTHS REQUIRED FOR USE GROUP 16D PER ZR 44_52				
REQUIRED	**PROPOSED**	**COMPLIES**		
0 BERTHS FOR FIRST 8,000 SF	0 BERTHS FOR FIRST 8,000 SF	YES		
1 BERTH FOR NEXT 17,000 SF	1 BERTH FOR NEXT 17,000 SF	YES		
1 BERTH FOR NEXT 15,000 SF	N/A	N/A		
1 BERTH FOR EACH ADDIITONAL 80,000 SF	N/A	N/A		
1 BERTH	1 BERTH	YES		

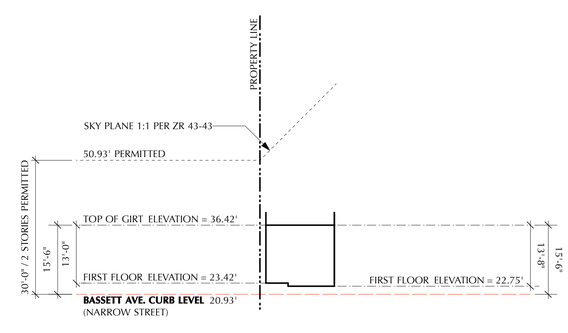
ZONING ANALYSIS SUMMARY FOR YARD REGULATIONS

NUMBER	ZONING DEFINITION	REMARKS	CODE SECTION	COMPLIES
1	Shallow Interior Lot	No rear yard required per ZR 43-27	**ZR 43-27 Special Provisions for Shallow Interior Lots** (b) No rear yard is required on any interior lot with a maximum depth of less than 50 feetrequired on any #inter	YES
2	Along Rail Road Right of Way	No rear yard required per ZR 43-29	**ZR 43-29 Special Provisions Applying along Railroad Rights-of-Way** In all districts, as indicated, along such portion of a rear lot line wich conincides with a boundary of a rail raod right of way, no rear yard shall be required line# which coincides with a boundary of a railroad right-of-way, no #rear yard# shall be required.	YES
3	Side Yard	No side yard required per ZR 43-25	**ZR 43-25 Minimum Required Side Yards** In all districts, as indicated, no side yards are required. However, if an open area extending along a side lot line is provided, it shall be at least eight feet wide.	YES



ZONING ANALYSIS: HEIGHT REGULATIONS

Scale: 1/16" = 1'-0"



ISSUE DATE:

1 Permit Set 05/23/13
2 Permit Set 1 Story 02/03/14

REVISION DATE:

1 Permit Comments 10/14/13

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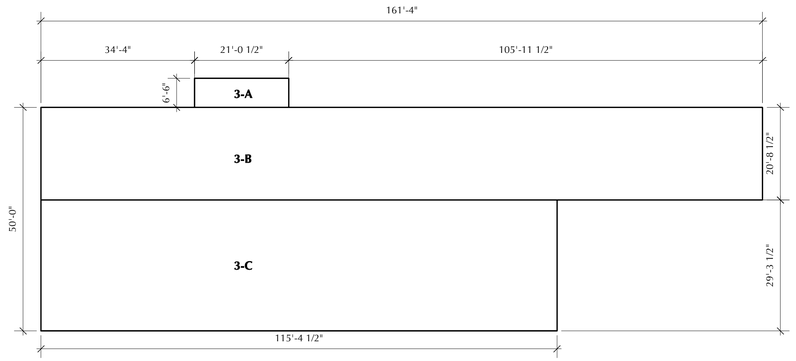
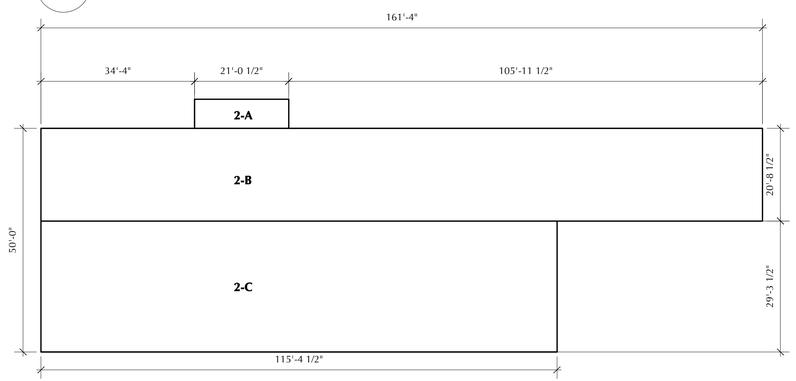
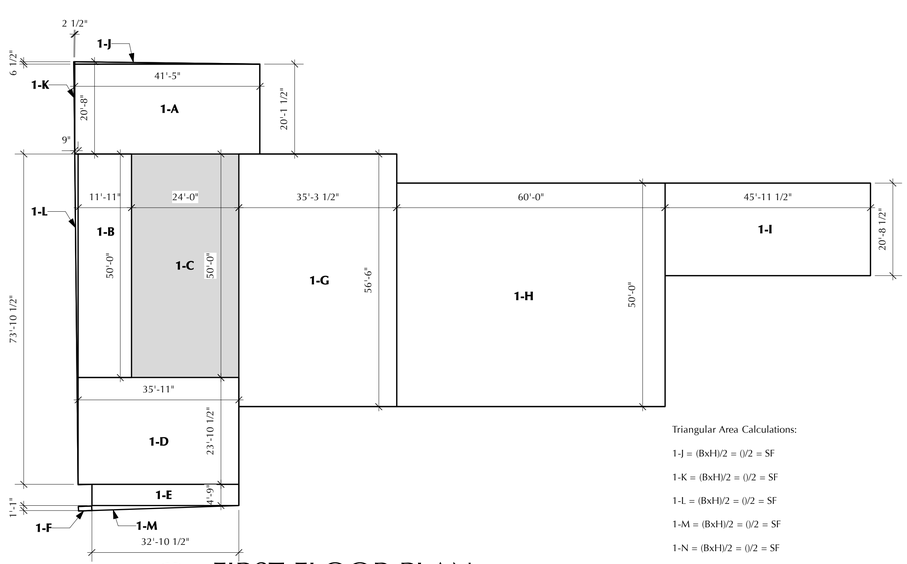


4 THIRD FLOOR PLAN
Scale: 1/16" = 1'-0"



3 SECOND FLOOR PLAN
Scale: 1/16" = 1'-0"



Triangular Area Calculations:

1-J = (BxH)/2 = ()/2 = SF

1-K = (BxH)/2 = ()/2 = SF

1-L = (BxH)/2 = ()/2 = SF

1-M = (BxH)/2 = ()/2 = SF

1-N = (BxH)/2 = ()/2 = SF

2 FIRST FLOOR PLAN
Scale: 1/16" = 1'-0"

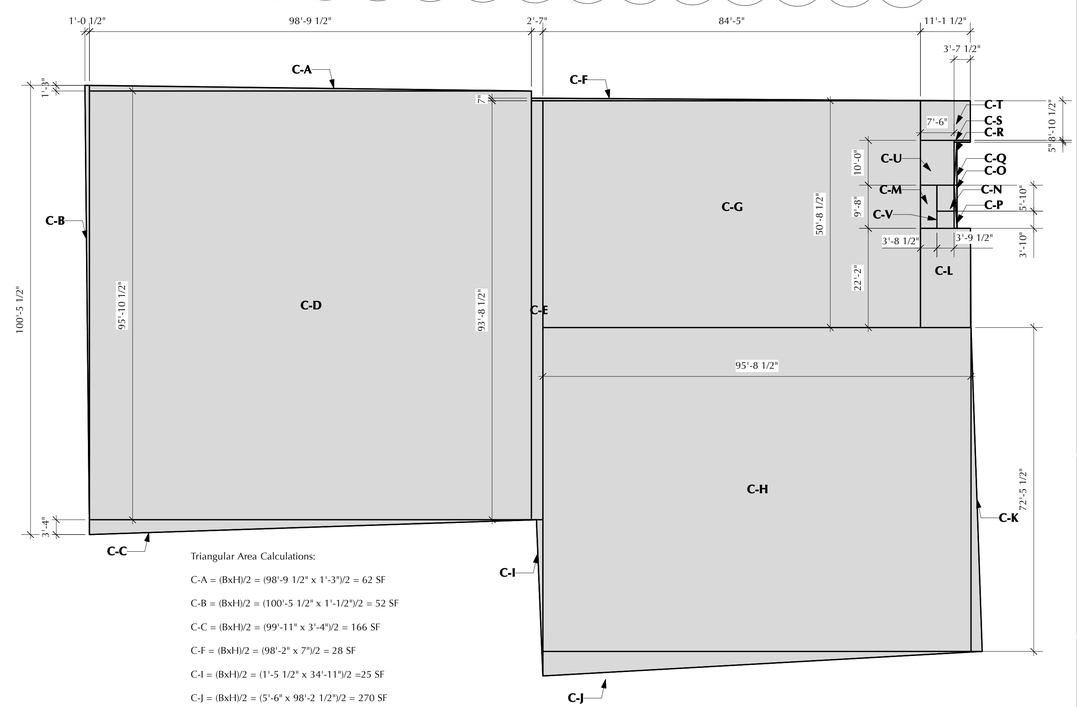
AREA KEY:

FAR AREA

NON FAR AREA

PROPOSED SELF STORAGE BUILDING AREA CALCULATIONS

LOCATION	AREA	WIDTH	HEIGHT	BUILDING TOTAL	NON FAR TOTAL	FAR TOTAL
CELLAR PLAN	C-A	See Calcs	See Calcs	62 SF	62 SF	0 SF
CELLAR PLAN	C-B	See Calcs	See Calcs	52 SF	52 SF	0 SF
CELLAR PLAN	C-C	See Calcs	See Calcs	166 SF	166 SF	0 SF
CELLAR PLAN	C-D	98'-9 1/2"	95'-10 1/2"	9,473 SF	9,473 SF	0 SF
CELLAR PLAN	C-E	2'-7"	93'-8 1/2"	242 SF	242 SF	0 SF
CELLAR PLAN	C-F	See Calcs	See Calcs	28 SF	28 SF	0 SF
CELLAR PLAN	C-G	84'-5"	50'-8 1/2"	4,280 SF	4,280 SF	0 SF
CELLAR PLAN	C-H	95'-8 1/2"	72'-5 1/2"	6,933 SF	6,933 SF	0 SF
CELLAR PLAN	C-I	See Calcs	See Calcs	25 SF	25 SF	0 SF
CELLAR PLAN	C-J	See Calcs	See Calcs	270 SF	270 SF	0 SF
CELLAR PLAN	C-K	See Calcs	See Calcs	91 SF	91 SF	0 SF
CELLAR PLAN	C-L	11'-2 1/2"	22'-2"	248 SF	248 Sf	0 SF
CELLAR PLAN	C-M	3'-8 1/2"	9'-8"	36 SF	36 SF	0 SF
CELLAR PLAN	C-N	3'-9 1/2"	5'-10"	22 SF	22 SF	0 SF
CELLAR PLAN	C-O	See Calcs	See Calcs	3 SF	3 SF	0 SF
CELLAR PLAN	C-P	See Calcs	See Calcs	3 SF	3 SF	0 SF
CELLAR PLAN	C-Q	See Calcs	See Calcs	3 SF	3 SF	0 SF
CELLAR PLAN	C-R	See Calcs	See Calcs	3 SF	3 SF	0 SF
CELLAR PLAN	C-S	5"	3'-7 1/2"	2 SF	2 SF	0 SF
CELLAR PLAN	C-T	11'-1 1/2"	8'10 1/2"	99 SF	99 SF	0 SF
CELLAR PLAN	C-U	7'-6"	10'-0"	75 SF	75 SF	0 SF
CELLAR PLAN	C-V	3'-10"	3'-10"	15 SF	15 SF	0 SF
PARTIAL BASEMENT TOTAL					22,132 SF	**0 SF**
1ST FLOOR PLAN	1-A	41'-5"	20'-1 1/2"	834 SF	0 SF	834 SF
1ST FLOOR PLAN	1-B	11'-11"	50'-0"	596 SF	0 SF	596 SF
1ST FLOOR PLAN	1-C	24'-0"	50'-0"	1,200 SF	1,200 SF	0 SF
1ST FLOOR PLAN	1-D	35'-11"	23'-10 1/2"	858 SF	0 SF	858 SF
1ST FLOOR PLAN	1-E	4'-9"	32'-10 1/2"	156 SF	0 SF	156 SF
1ST FLOOR PLAN	1-F	3'-0"	1'-0"	3 SF	0 SF	3 SF
1ST FLOOR PLAN	1-G	35'-3 1/2"	56'-6"	1,994SF	0 SF	1,994 SF
1ST FLOOR PLAN	1-H	60'-0"	50'-0"	3,000 SF	0 SF	3,000 SF
1ST FLOOR PLAN	1-I	45'-11 1/2"	20'-8 1/2"	952 SF	0 SF	952 SF
1ST FLOOR PLAN	1-J	See Calcs	See Calcs	11 SF	0 SF	11 SF
1ST FLOOR PLAN	1-K	See Calcs	See Calcs	2 SF	0 SF	2 SF
1ST FLOOR PLAN	1-L	See Calcs	See Calcs	28 SF	0 SF	28 SF
1ST FLOOR PLAN	1-M	See Calcs	See Calcs	18 SF	0 SF	18 SF
1ST FLOOR TOTAL					1,200 SF	**8,452 SF**
2ND FLOOR PLAN	2-A	21'-1/2"	6'-6"	137 SF	0 SF	137 SF
2ND FLOOR PLAN	2-B	161'- 4"	20'-8 1/2"	3,341 SF	0 SF	3,341 SF
2ND FLOOR PLAN	2-C	115'-4 1/2"	29'- 3 1/2"	3,380 SF	0 SF	3,380 SF
2ND FLOOR TOTAL				6,711 SF	0 SF	**6,858 SF**
3RD FLOOR PLAN	3-A	21'-1/2"	6'-6"	137 SF	0 SF	137 SF
3RD FLOOR PLAN	3-B	161'- 4"	20'-8 1/2"	3,341 SF	0 SF	3,341 SF
3RD FLOOR PLAN	3-C	115'- 4 1/2"	29'- 3 1/2"	3,380 SF	0 SF	3,380 SF
3RD FLOOR TOTAL						**6,858 SF**
					TOTAL FAR:	**22,168 SF**



Triangular Area Calculations:

C-A = (BxH)/2 = (98'-9 1/2" x 1'-3")/2 = 62 SF

C-B = (BxH)/2 = (100'-5 1/2" x 1'-1/2")/2 = 52 SF

C-C = (BxH)/2 = (99'-11" x 3'-4")/2 = 166 SF

C-F = (BxH)/2 = (98'-2" x 7")/2 = 28 SF

C-I = (BxH)/2 = (1'-5 1/2" x 34'-11")/2 =25 SF

C-J = (BxH)/2 = (5'-6" x 98'-2 1/2")/2 = 270 SF

C-K = (BxH)/2 = (72'-5 1/2" x 2'-6 1/2")/2 = 91 SF

C-O = (BxH)/2 = (8" x 9'-8")/2 = 3 SF

C-P = (BxH)/2 = (8 1/2" x 9'-8")/2 = 3 SF

C-Q = (BxH)/2 = (8" x 9'-7")/2 = 3 SF

C-R = (BxH)/2 = (7 1/2" x 9'-7")/2 = 3 SF

1 CELLAR FLOOR PLAN
Scale: 1/16" = 1'-0"

ISSUE DATE:

1 Permit Set 05/23/13

REVISION DATE:

2 Permit Comments #2 10/31/13

3 Permit Comments #3 12/13/13

Stillwell Avenue Self Storage - Bldg. A

Stillwell Self Storage LLC
1538 Stillwell Ave.
Bronx, NY

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Falls Church, Virginia 22046
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PROPOSED SELF STORAGE BUILDING AREA CALCULATIONS

LOCATION	AREA	WIDTH	HEIGHT	BUILDING TOTAL	NON FAR TOTAL	FAR TOTAL
1ST FLOOR PLAN	1-A	See Calcs	See Calcs	179 SF	0 SF	179 SF
1ST FLOOR PLAN	1-B	18'-2"	22'-8"	411 SF	0 SF	411 SF
1ST FLOOR PLAN	1-C	69'-2"	23'-11"	1,657 SF	0 SF	1,657 SF
1ST FLOOR PLAN	1-D	See Calcs	See Calcs	152 SF	0 SF	152 SF
1ST FLOOR PLAN	1-E	See Calcs	See Calcs	141 SF	0 SF	141 SF
1ST FLOOR PLAN	1-F	98'-11"	24'-8"	2,441 SF	0 SF	2,441 SF
1ST FLOOR PLAN	1-G	See Calcs	See Calcs	38 SF	0 SF	38 SF
1ST FLOOR PLAN	1-H	See Calcs	See Calcs	11 SF	0 SF	11 SF
1ST FLOOR PLAN	1-I	See Calcs	See Calcs	217 SF	0 SF	217 SF
1ST FLOOR PLAN	1-J	100'-0"	21'-1"	2,111 SF	0 SF	2,111 SF
1ST FLOOR PLAN	1-K	See Calcs	See Calcs	496 SF	0 SF	496 SF
1ST FLOOR PLAN	1-L	See Calcs	See Calcs	384 SF	0 SF	384 SF
1ST FLOOR PLAN	1-M	44'-5"	16'-8"	741 S1	0 SF	741 S1
1ST FLOOR PLAN	1-N	19'-2"	15'-4"	292 SF	0 SF	292 SF
1ST FLOOR TOTAL					**0 SF**	**9,271 SF**
					TOTAL FAR	**9,271 SF**

TRIANGULAR AREA CALCULATIONS:

1-A = (BxH)/2 = (87'-4"x4'-1")/2 = 179 SF

1-D = (BxH)/2 = (23'-11"x12'-8")/2 = 152 SF

1-E = (BxH)/2 = (11'-5"x24'-8")/2 = 141 SF

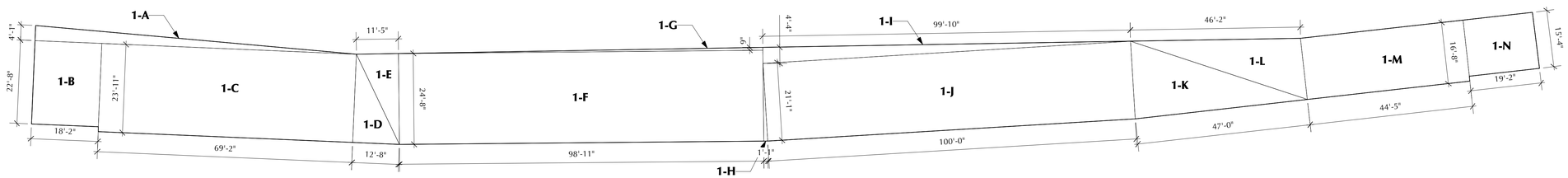
1-G = (BxH)/2 = (9"x98'-11")/2 = 38 SF

1-H = (BxH)/2 = (1'-1"x24'-8")/2 = 11 SF

1-I = (BxH)/2 = (4'-4"x99'-10")/2 = 217 SF

1-K = (BxH)/2 = (21'-1"x47'-0")/2 = 496 SF

1-L = (BxH)/2 = (16'-8"x46'-2")/2 = 384 SF



1 FIRST FLOOR PLAN

Scale: 1/16" = 1'-0"

ISSUE DATE:

1 Permit Set 05/23/13
2 Permit Set 1 Story 02/03/14

REVISION DATE:

Stillwell Avenue Self Storage - Bldg. B

Stillwell Self Storage LLC
1540 Bassett Ave.
Bronx, NY

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Falls Church, Virginia 22046
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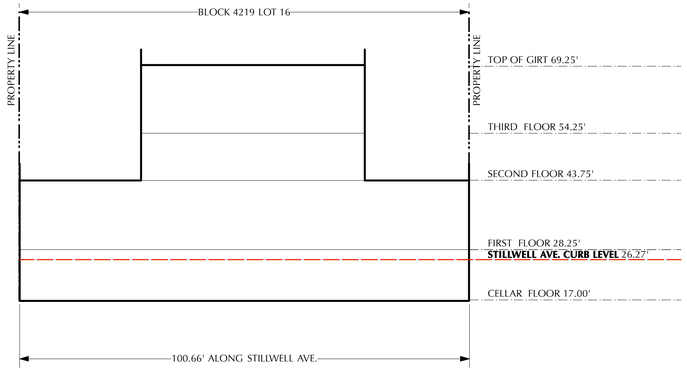
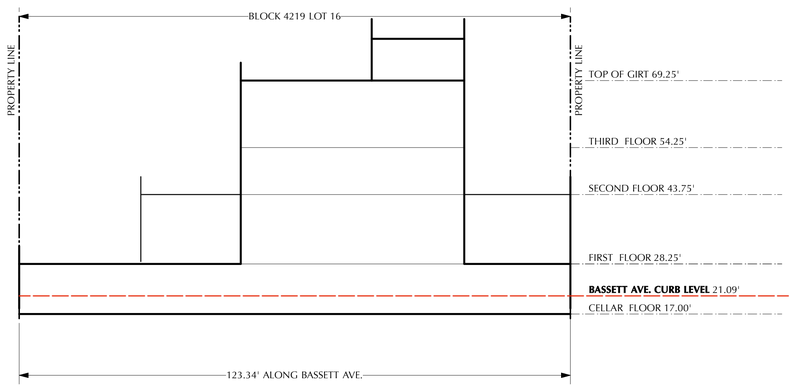


BASSETT AVE. ELEVATION

Scale: 1/16" = 1'-0"

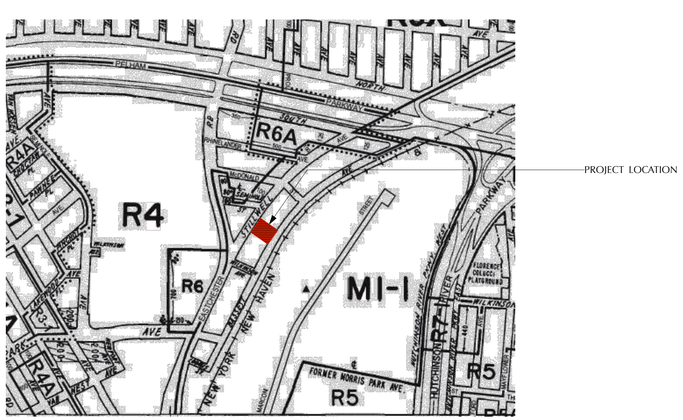


STILLWELL AVE. ELEVATION

Scale: 1/16" = 1'-0"

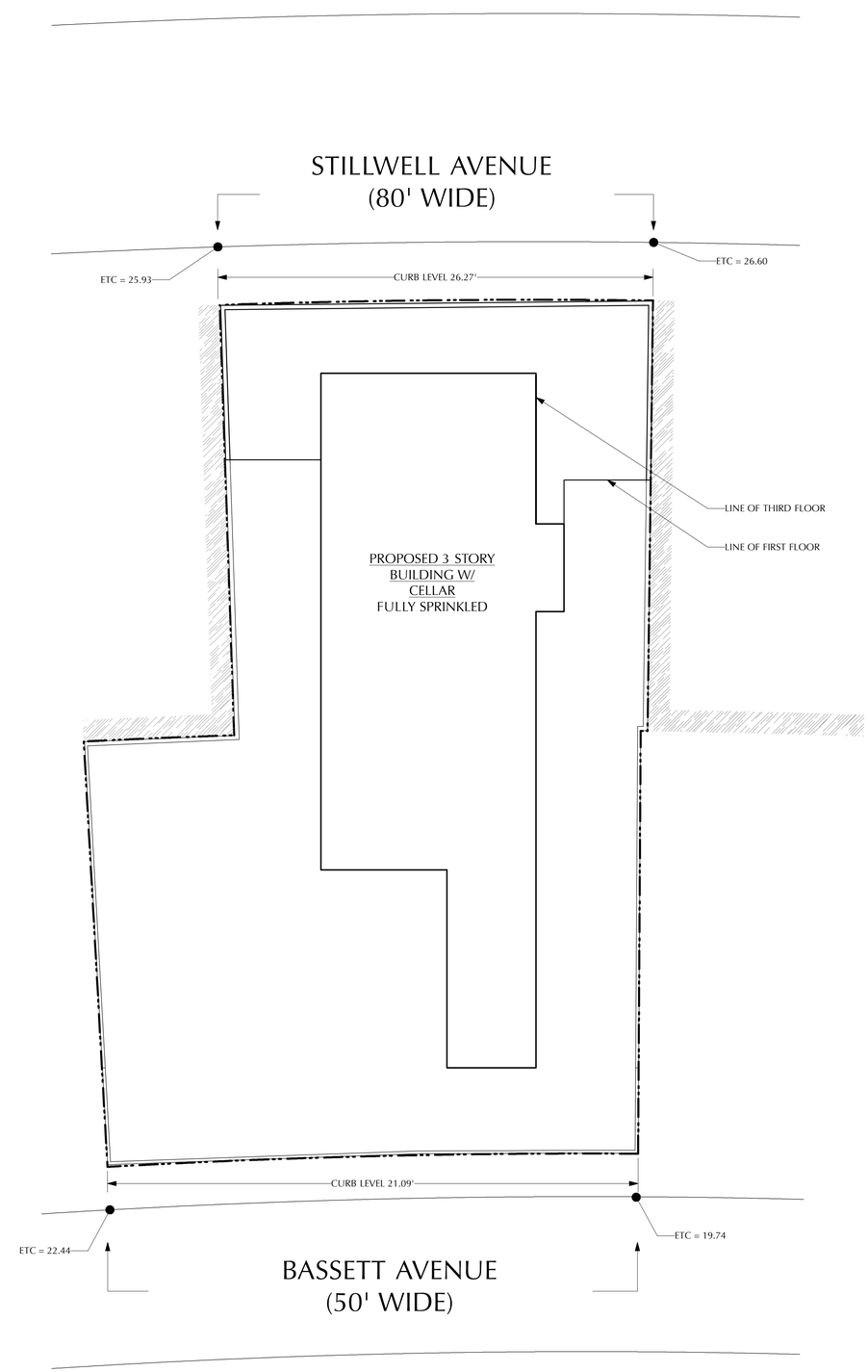
STREET FRONTAGE	CURB LEVEL (PER ZR 12_10)	FRONTAGE LENGTH
STILLWELL AVENUE	(25.93'+26.60')/2 = 26.27'	100.66'
BASSETT AVENUE	(22.44'+19.74')/2 = 21.09'	123.34'
*SEE PROVIDED SURVEY FOR VERIFICATION OF EXISTING TOP OF CURB ELEVATIONS		

CURB LEVEL CALCULATIONS



PROJECT LOCATION

NOTE: NYC ZONING MAP N.Y.S.



ZONING ANALYSIS: CURB ANALYSIS

ISSUE DATE:

1	Permit Set	05/23/13

REVISION DATE:

1	Permit Comments	10/01/13
2	Permit Comments #2	10/31/13
3	Permit Comments #3	12/13/13

Stillwell Avenue Self Storage - Bldg. A

Stillwell Self Storage LLC
1538 Stillwell Ave.
Bronx, NY

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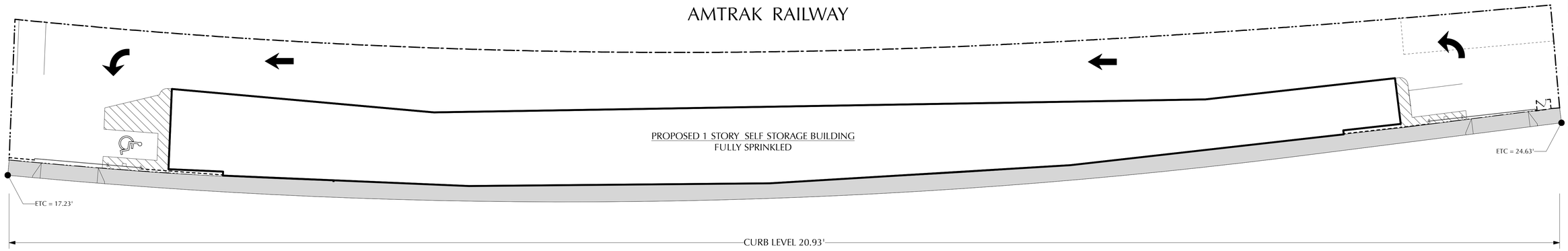
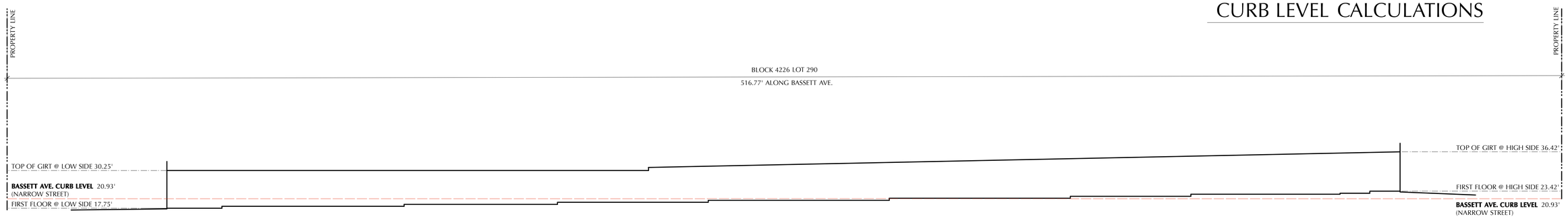


ZONING ANALYSIS: CURB ANALYSIS

Scale: 1/16" = 1'-0"

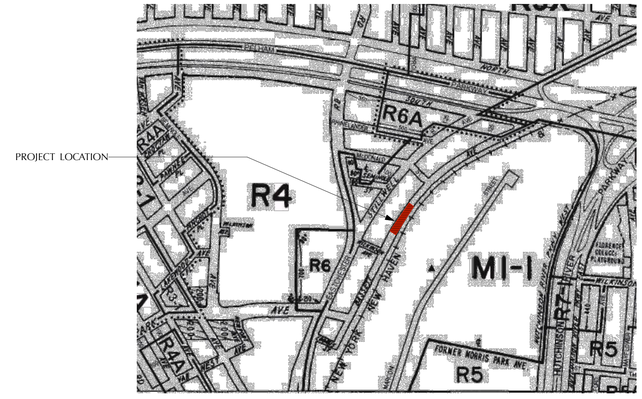
STREET FRONTAGE	CURB LEVEL (PER ZR 12-10)	FRONTAGE LENGTH
BASSETT AVENUE	(17.23' + 24.63')/2 = 20.93'	516.77'
* SEE PROVIDED SURVEY FOR VERIFICATION OF EXISTING TOP OF CURB ELEVATIONS		

CURB LEVEL CALCULATIONS



BASSETT AVE. ELEVATION

Scale: 1/16" = 1'-0"



PROJECT LOCATION

NOTE: NYC ZONING MAP N.T.S.

ISSUE DATE:

1	Permit Set	05/23/13
2	Permit Set 1 Story	02/03/14

REVISION DATE:

1	Permit Comments	10/14/13

Stillwell Avenue Self Storage - Bldg. B

Stillwell Self Storage LLC
1540 Bassett Ave.
Bronx, NY

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ZONING ANALYSIS

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FIGURES 5A, 5B, & 5C
Groundwater Contour Maps

LEGEND

MW-1	MONITORING WELL LOCATION
	GROUNDWATER FLOW DIRECTION (APPROX.)
12.0'	GROUNDWATER CONTOUR (APPROX.)
	SUBJECT PROPERTY BOUNDARY (APPROX.)

0 40

1 inch = 40 ft.

REFERENCE

THIS PLAN IS BASED UPON A MARCH 8, 2012 BOUNDARY AND TOPOGRAPHIC SURVEY PREPARED BY CONTROL POINT ASSOCIATES, INC. AND AN AUGUST 13, 2012 MONITOR WELL LOCATION MAP PREPARED BY DPK CONSULTING, LLC.

WHITESTONE ASSOCIATES, INC.
35 TECHNOLOGY DRIVE
WARREN, NEW JERSEY 07059
908.668.7777 • 908.754.5936 FAX

FIGURE:	SCALE:	DATE:	PROJ. MGR.:	BY:	PROJECT #:
5A	1"=40'	09/02/14	CS	GR	EJ1111829.002

TITLE: **GROUNDWATER CONTOUR MAP (MEASURED JULY 24, 2012)**

CLIENT: STILLWELL SELF STORAGE, LLC

PROJECT: REMEDIAL INVESTIGATION REPORT
PROPOSED SELF-STORAGE FACILITY
1540 BASSETT AVENUE AND
1538 STILLWELL AVENUE
BRONX, BRONX COUNTY, NEW YORK

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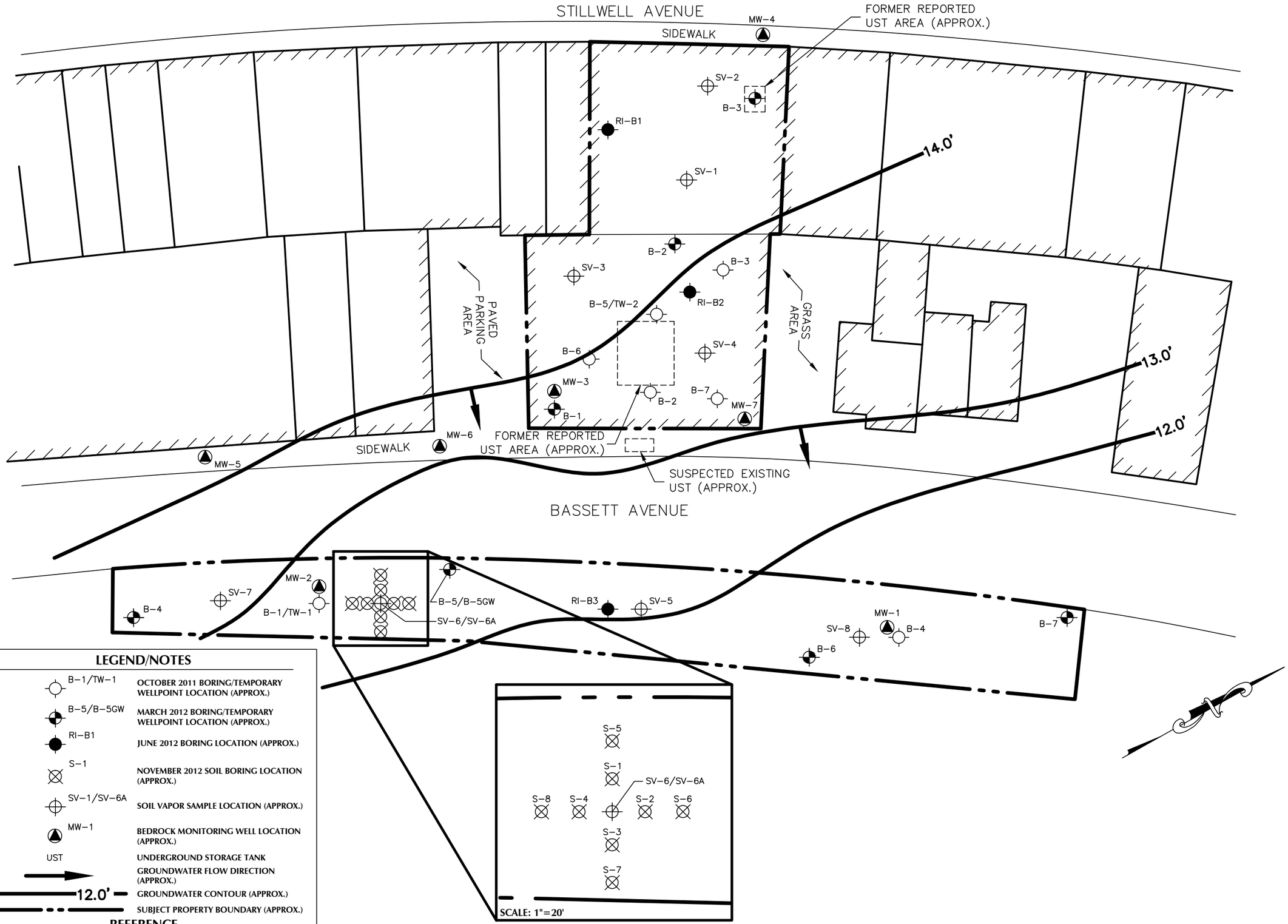

LEGEND/NOTES

B-1/TW-1	OCTOBER 2011 BORING/TEMPORARY WELLPOINT LOCATION (APPROX.)
B-5/B-5GW	MARCH 2012 BORING/TEMPORARY WELLPOINT LOCATION (APPROX.)
RI-B1	JUNE 2012 BORING LOCATION (APPROX.)
S-1	NOVEMBER 2012 SOIL BORING LOCATION (APPROX.)
SV-1/SV-6A	SOIL VAPOR SAMPLE LOCATION (APPROX.)
MW-1	BEDROCK MONITORING WELL LOCATION (APPROX.)
UST	UNDERGROUND STORAGE TANK
	GROUNDWATER FLOW DIRECTION (APPROX.)
12.0'	GROUNDWATER CONTOUR (APPROX.)
	SUBJECT PROPERTY BOUNDARY (APPROX.)

REFERENCE

THIS PLAN IS BASED UPON AN UNDATED AERIAL IMAGE OBTAINED FROM GOOGLE MAPS, AN UNDATED CONCEPT SITE PLAN PREPARED BY BUTZ WILBERN, LTD, AND AN OCTOBER 13, 2012 MONITORING WELL LOCATION MAP PREPARED BY DPK CONSULTING, LLC.

WHITESTONE ASSOCIATES, INC.
35 TECHNOLOGY DRIVE
WARREN, NEW JERSEY 07059
908.668.7777 • 908.754.5936 FAX

FIGURE:	5B
SCALE:	AS SHOWN
DATE:	09/02/14
PROJ. MGR.:	CS
BY:	GR
PROJECT #:	EJ111829.002

TITLE: GROUNDWATER CONTOUR MAP (NOVEMBER 12, 2012)

CLIENT: STILLWELL SELF STORAGE, LLC

PROJECT: REMEDIAL INVESTIGATION REPORT
PROPOSED SELF-STORAGE FACILITY
1538 STILLWELL AVENUE AND
1540 BASSETT AVENUE
BRONX, BRONX COUNTY, NEW YORK

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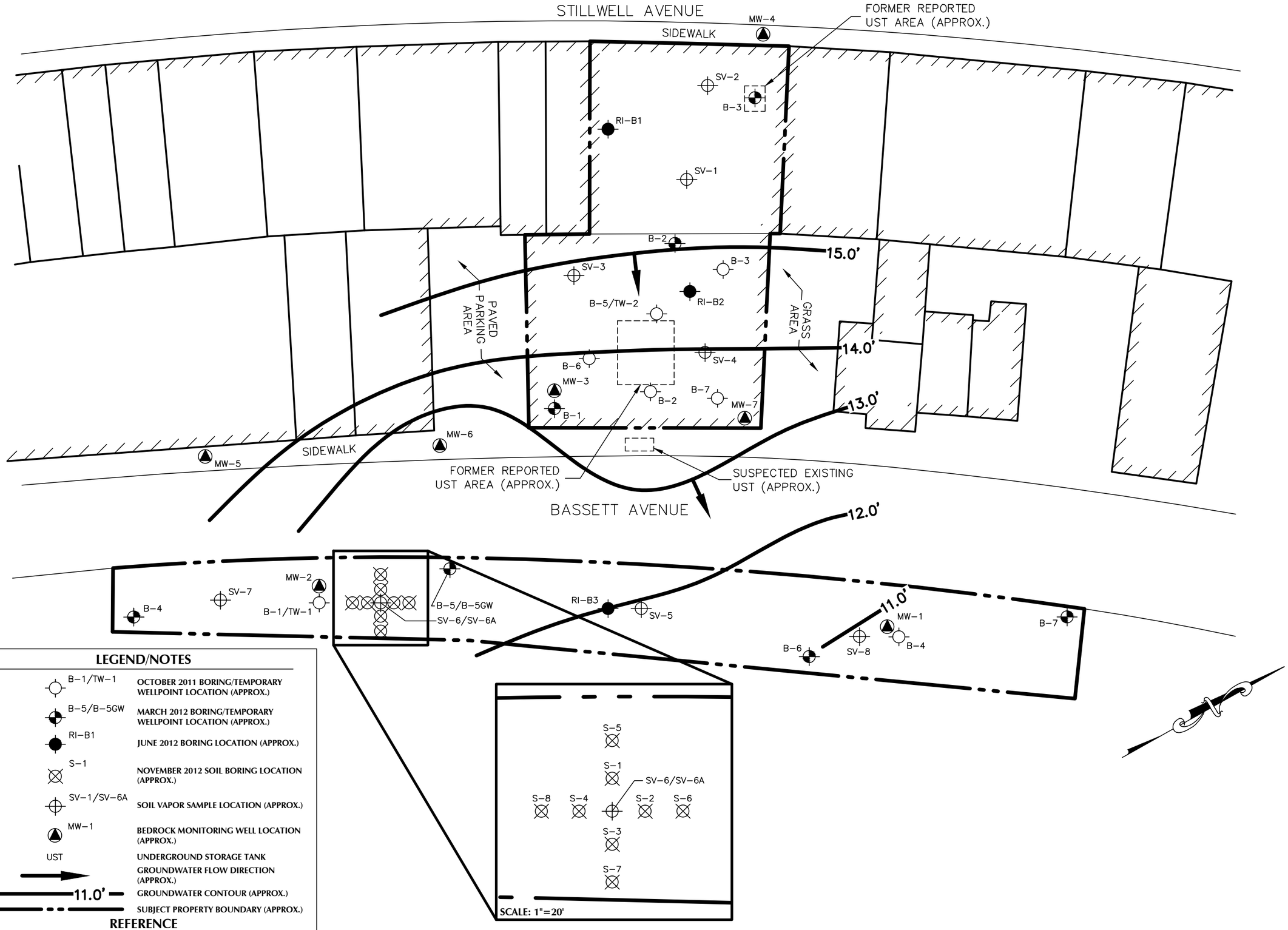

LEGEND/NOTES

B-1/TW-1	OCTOBER 2011 BORING/TEMPORARY WELLPOINT LOCATION (APPROX.)
B-5/B-5GW	MARCH 2012 BORING/TEMPORARY WELLPOINT LOCATION (APPROX.)
RI-B1	JUNE 2012 BORING LOCATION (APPROX.)
S-1	NOVEMBER 2012 SOIL BORING LOCATION (APPROX.)
SV-1/SV-6A	SOIL VAPOR SAMPLE LOCATION (APPROX.)
MW-1	BEDROCK MONITORING WELL LOCATION (APPROX.)
UST	UNDERGROUND STORAGE TANK
	GROUNDWATER FLOW DIRECTION (APPROX.)
11.0'	GROUNDWATER CONTOUR (APPROX.)
	SUBJECT PROPERTY BOUNDARY (APPROX.)

REFERENCE

THIS PLAN IS BASED UPON AN UNDATED AERIAL IMAGE OBTAINED FROM GOOGLE MAPS, AN UNDATED CONCEPT SITE PLAN PREPARED BY BUTZ WILBERN, LTD, AND AN OCTOBER 13, 2012 MONITORING WELL LOCATION MAP PREPARED BY DPK CONSULTING, LLC.

WHITESTONE ASSOCIATES, INC.
35 TECHNOLOGY DRIVE
WARREN, NEW JERSEY 07059
908.668.7777 • 908.754.5936 FAX

FIGURE:	SCALE:	DATE:	PROJ. MGR.:	BY:	PROJECT #:
5C	AS SHOWN	09/02/14	CS	GR	EJ1111829.002

TITLE: GROUNDWATER CONTOUR MAP (NOVEMBER 16, 2012)

CLIENT: STILLWELL SELF STORAGE, LLC

PROJECT: REMEDIAL INVESTIGATION REPORT
PROPOSED SELF-STORAGE FACILITY
1538 STILLWELL AVENUE AND
1540 BASSETT AVENUE
BRONX, BRONX COUNTY, NEW YORK

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TABLE 1
Boring/Monitor Well/Temporary Well Installation/Construction and Sampling Data Summary

TABLE 1
BORING/MONITOR WELL/TEMPORARY WELLPOINT INSTALLATION/
CONSTRUCTION AND SAMPLING DATA SUMMARY
Proposed Self-Storage Facility
1538 Stillwell Avenue and
1540 Bassett Avenue
Bronx, Bronx County, New York

Boring/Well Number	Soil Sample Interval (fbgs)	Total Depth (fbgs)	Depth to Groundwater (fbgs)	Maximum PID Reading (ppm)	Date of Installation	Well Diameter/ Construction Material	Well Screened Interval (fbgs)
B-1/TW-1	2.5 to 3.0	13.0	8.0*	0.0	10/19/2011	1"/PVC	8.0 to 13.0
B-2	7.5 to 8.0	12.5	NE	1,157	10/19/2011	NA	NA
B-3	8.5 to 9.0	9.5	NE	1,220	10/19/2011	NA	NA
B-4	2.5 to 3.0	11.0	NE	349	10/19/2011	NA	NA
B-5/TW-2	3.0 to 3.5 (A)	12.5	9.0*	1,220	10/19/2011	1"/PVC	7.5 to 12.5
	10.0 to 10.5 (B)						
B-6	NS	12.5	NE	0.0	10/19/2011	NA	NA
B-7	NS	9.0	NE	0.0	10/19/2011	NA	NA
B-1	5.5 to 6.0	14.5	NE	131	3/5/2012	NA	NA
B-2	3.5 to 4.0	15.3	NE	43.0	3/7/2012	NA	NA
B-3	2.0 to 2.5	10.1	NE	14.7	3/6/2012	NA	NA
B-4	NS	9.5	NE	0.0	3/8/2012	NA	NA
B-5/B-5GW	1.0 to 1.5	13.5	10.0*	20.0	3/8/2012	1"/PVC	8.5 to 13.5
B-6	NS	10.5	NE	0.0	3/8/2012	NA	NA
B-7	NS	4.5	NE	0.0	3/8/2012	NA	NA

TABLE 1 (continued)
BORING/MONITOR WELL/TEMPORARY WELLPOINT INSTALLATION/
CONSTRUCTION AND SAMPLING DATA SUMMARY
Proposed Self-Storage Facility
1538 & 1546 Stillwell Avenue
1547 & 1549 Bassett Avenue
Bronx, Bronx County, New York

Boring/Well Number	Soil Sample Interval (fbgs)	Total Depth (fbgs)	Depth to Groundwater (fbgs)	Maximum PID Reading (ppm)	Date of Installation	Well Diameter/ Construction Material	Well Screened Interval (fbgs)
RI-B1	1.0 to 1.5 (A)	7.0	NE	0.0	6/28/2012	NA	NA
	4.5 to 5.0 (B)						
RI-B2	1.0 to 1.5 (A)	11.0	NE	0.0	6/28/2012	NA	NA
	4.5 to 5.0 (B)						
	8.5 to 9.0 (C)						
RI-B3	1.5 to 2.0 (A)	8.0	NE	0.0	6/28/2012	NA	NA
	7.0 to 7.5 (B)						
S-1	4.5 to 5.0	8.0	NE	0.0	11/5/2012	NA	NA
S-2	4.5 to 5.0	8.5	NE	0.0	11/5/2012	NA	NA
S-3	4.5 to 5.0	9.0	NE	0.0	11/5/2012	NA	NA
S-4	4.5 to 5.0	7.0	NE	0.0	11/5/2012	NA	NA
S-5	4.5 to 5.0	8.0	NE	0.0	11/5/2012	NA	NA
S-6	4.5 to 5.0	7.5	NE	0.0	11/5/2012	NA	NA
S-7	4.5 to 5.0	8.0	NE	0.0	11/5/2012	NA	NA
S-8	4.5 to 5.0	7.5	NE	0.0	11/5/2012	NA	NA

TABLE 1 (continued)
BORING/MONITOR WELL/TEMPORARY WELLPOINT INSTALLATION/
CONSTRUCTION AND SAMPLING DATA SUMMARY
Proposed Self-Storage Facility
1538 & 1546 Stillwell Avenue and 1547 & 1549 Bassett Avenue
Bronx, Bronx County, New York

Boring/Well Number	Soil Sample Interval (fbgs)	Total Depth (fbgs)	Depth to Groundwater (fbgs)	Maximum PID Reading (ppm)	Date of Installation	Well Diameter/ Construction Material	Well Screened Interval (fbgs)
MW-1	1.0 to 1.5	38.0	7.20	0.0	7/16/2012 - 7/17/2012	2"/PVC	14.0 to 38.0
	7.0 to 7.5						
MW-2	1.0 to 1.5	41.0	9.35	0.0	7/16/2012 - 7/18/2012	2"/PVC	16.0 to 41.0
	7.0 to 7.5						
MW-3	1.5 to 2.0	28.0	9.75	0.0	7/17/2012 - 7/18/2012	2"/PVC	11.0 to 28.0
	4.5 to 5.0						
MW-4	1.5 to 2.0	46.0	13.50	0.0	7/17/2012	2"/PVC	18.0 to 46.0
	4.5 to 5.0						
MW-5	NS	27.0	12.02	0.0	11/5/2012	2"/PVC	8.0 to 27.0
MW-6	NS	32.0	11.35	0.0	11/5/2012 - 11/6/2012	2"/PVC	17.0 to 32.0
MW-7	NS	22.0	9.60	0.0	11/5/2012 - 11/6/2012	2"/PVC	7.0 to 22.0

Notes:
fbgs feet below ground surface
NE Not Encountered
PID Photoionization Detector
ppm parts per million
NA Not Applicable
NS Not Sampled
* Perched Groundwater (not true groundwater condition)

TABLE 2
Soil Sampling and Analyses Data Summary

TABLE 2
SOIL SAMPLING AND ANALYSES DATA SUMMARY
Proposed Self-Storage Facility
1538 Stillwell Avenue and 1540 Bassett Avenue
Bronx, Bronx County, New York

		SAMPLE ID:	B-1			B-2			B-3			B-4			B-5A			B-5B			B-1			B-2			B-3		
		LAB ID:	AC62229-001			AC62229-002			AC62229-003			AC62229-004			AC62229-005			AC62229-006			AC64571-001			AC64606-002			AC64606-001		
		COLLECTION DATE:	10/19/2011			10/19/2011			10/19/2011			10/19/2011			10/19/2011			10/19/2011			3/5/2012			3/7/2012			3/6/2012		
		SAMPLE DEPTH:	2.5 to 3.0			7.5 to 8.0			8.5 to 9.0			2.5 to 3.0			3.0 to 3.5			10.0 to 10.5			5.5 to 6.0			3.5 to 4.0			2.0 to 2.5		
		SAMPLE MATRIX:	SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL		
ANALYTE	**CSCO**	**UUSCO**	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL
VOLATILE ORGANICS (VOs)																													
1,1,1,2-Tetrachloroethane	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
1,1,1-Trichloroethane	500	0.68	ND		0.0026	ND		1.1	ND		1.1	ND		0.0021	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.0022	ND		0.0021
1,1,2,2-Tetrachloroethane	NA	NA	ND		0.0026	ND		1.1	ND		1.1	ND		0.0021	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.0022	ND		0.0021
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	ND		0.0026	ND		1.1	ND		1.1	ND		0.0021	ND		0.0022	ND		0.0023	ND		0.0011	ND		0.0011	ND		0.0011
1,1,2-Trichloroethane	NA	NA	ND		0.0026	ND		1.1	ND		1.1	ND		0.0021	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.0022	ND		0.0021
1,1-Dichloroethane	240	0.27	ND		0.0026	ND		1.1	ND		1.1	ND		0.0021	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.0022	ND		0.0021
1,1-Dichloroethene	500	0.33	ND		0.0026	ND		1.1	ND		1.1	ND		0.0021	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.0022	ND		0.0021
1,1-Dichloropropene	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
1,2,3-Trichlorobenzene	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
1,2,3-Trichloropropane	NA	NA	ND		0.0026	ND		1.1	ND		1.1	ND		0.0021	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.0022	ND		0.0021
1,2,4,5-Tetramethylbenzene	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
1,2,4-Trichlorobenzene	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
1,2,4-Trimethylbenzene	190	3.6	ND		0.0013	ND		1.1	ND		1.1	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011
1,2-Dibromo-3-chloropropane	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
1,2-Dibromoethane	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
1,2-Dichlorobenzene	500	1.1	ND		0.0026	ND		1.1	ND		1.1	ND		0.0021	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.0022	ND		0.0021
1,2-Dichloroethane	30	0.02	ND		0.0026	ND		0.53	ND		0.55	ND		0.0021	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.0022	ND		0.0021
1,2-Dichloropropane	NA	NA	ND		0.0026	ND		1.1	ND		1.1	ND		0.0021	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.0022	ND		0.0021
1,3,5-Trimethylbenzene	190	8.4	ND		0.0013	ND		1.1	ND		1.1	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011
1,3-Dichlorobenzene	280	2.4	ND		0.0026	ND		1.1	ND		1.1	ND		0.0021	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.0022	ND		0.0021
1,3-Dichloropropane	NA	NA	ND		0.0026	ND		1.1	ND		1.1	ND		0.0021	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.0022	ND		0.0021
1,4-Dichlorobenzene	130	1.8	ND		0.0026	ND		1.1	ND		1.1	ND		0.0021	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.0022	ND		0.0021
1,4-Diethylbenzene	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
1,4-Dioxane	130	0.1	ND		0.13	ND		53	ND		55	ND		0.11	ND		0.11	ND		0.11	ND		0.11	ND		0.11	ND		0.11
2,2-Dichloropropane	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
2-Butanone	500	0.12	ND		0.0026	ND		1.1	ND		1.1	ND		0.0021	ND		0.0022	ND		0.0023	ND		0.0011	ND		0.0011	ND		0.0011
2-Chloroethylvinylether	NA	NA	ND		0.0026	ND		1.1	ND		1.1	ND		0.0021	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.0022	ND		0.0021
2-Hexanone	NA	NA	ND		0.0026	ND		1.1	ND		1.1	ND		0.0021	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.0022	ND		0.0021
4-Ethyltoluene	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
4-Isopropyltoluene	NA	10	ND		0.0013	ND		1.1	ND		1.1	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011
4-Methyl-2-pentanone	NA	1.0	ND		0.0026	ND		1.1	ND		1.1	ND		0.0021	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.0022	ND		0.0021
Acetone	500	0.05	ND		0.013	ND		6.2	ND		6.5	ND		0.011	**0.056**		**0.011**	0.022		0.011	ND		0.011	ND		0.011	ND		0.011
Acrolein	NA	NA	ND		0.013	ND		5.3	ND		5.5	ND		0.011	ND		0.011	ND		0.011	ND		0.011	ND		0.011	ND		0.011
Acrylonitrile	NA	NA	ND		0.0026	ND		1.2	ND		1.3	ND		0.0021	ND		0.0022	ND		0.0023	ND		0.0055	ND		0.0054	ND		0.0053
Benzene	44	0.06	ND		0.0013	ND		0.53	ND		0.55	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011
Bromobenzene	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Bromochloromethane	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Bromodichloromethane	NA	NA	ND		0.0026	ND		0.64	ND		0.67	ND		0.0021	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.0022	ND		0.0021
Bromoform	NA	NA	ND		0.0026	ND		1.1	ND		1.1	ND		0.0021	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.0022	ND		0.0021
Bromomethane	NA	NA	ND		0.0026	ND		1.1	ND		1.1	ND		0.0021	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.0022	ND		0.0021
Carbon disulfide	NA	2.7	ND		0.0026	ND		1.1	ND		1.1	ND		0.0021	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.0022	ND		0.0021
Carbon tetrachloride	22	0.76	ND		0.0026	ND		1.1	ND		1.1	ND		0.0021	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.0022	ND		0.0021
Chlorobenzene	500	1.1	ND		0.0026	ND		1.1	ND		1.1	ND		0.0021	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.0022	ND		0.0021
Chloroethane	NA	NA	ND		0.0026	ND		1.1	ND		1.1	ND		0.0021	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.0022	ND		0.0021
Chloroform	350	0.37	ND		0.0026	ND		1.1	ND		1.1	ND		0.0021	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.0022	ND		0.0021
Chloromethane	NA	NA	ND		0.0026	ND		1.1	ND		1.1	ND		0.0021	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.0022	ND		0.0021
cis-1,2-Dichloroethene	500	0.25	ND		0.0026	ND		1.1	ND		1.1	ND		0.0021	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.0022	ND		0.0021
cis-1,3-Dichloropropene	NA	NA	ND		0.0026	ND		1.1	ND		1.1	ND		0.0021	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.0022	ND		0.0021
Dibromochloromethane	NA	NA	ND		0.0026	ND		1.1	ND		1.1	ND		0.0021	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.0022	ND		0.0021

TABLE 2
SOIL SAMPLING AND ANALYSES DATA SUMMARY
Proposed Self-Storage Facility
1538 Stillwell Avenue and 1540 Bassett Avenue
Bronx, Bronx County, New York

		SAMPLE ID:	B-1			B-2			B-3			B-4			B-5A			B-5B			B-1			B-2			B-3		
		LAB ID:	AC62229-001			AC62229-002			AC62229-003			AC62229-004			AC62229-005			AC62229-006			AC64571-001			AC64606-002			AC64606-001		
		COLLECTION DATE:	10/19/2011			10/19/2011			10/19/2011			10/19/2011			10/19/2011			10/19/2011			3/5/2012			3/7/2012			3/6/2012		
		SAMPLE DEPTH:	2.5 to 3.0			7.5 to 8.0			8.5 to 9.0			2.5 to 3.0			3.0 to 3.5			10.0 to 10.5			5.5 to 6.0			3.5 to 4.0			2.0 to 2.5		
		SAMPLE MATRIX:	SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL		
ANALYTE	**CSCO**	**UUSCO**	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL
Dibromomethane	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Dichlorodifluoromethane	NA	NA	ND		0.0026	ND		1.1	ND		1.1	ND		0.0021	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.0022	ND		0.0021
Ethyl ether	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Ethylbenzene	390	1	ND		0.0013	ND		1.1	ND		1.1	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011
Hexachlorobutadiene	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Isopropylbenzene	NA	2.3	ND		0.0013	**4.1**		**1.1**	**4.7**		**1.1**	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011
m&p-Xylenes	NA	0.26	ND		0.0013	ND		1.1	ND		1.1	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011
Methylene chloride	500	0.05	ND		0.0026	ND		1.1	ND		1.1	ND		0.0021	ND		0.0022	ND		0.0023	ND		0.0022	0.0029		0.0022	ND		0.0021
Methyl-t-butyl ether	500	0.93	ND		0.0013	ND		0.53	ND		0.55	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011
n-Butylbenzene	500	12	ND		0.0013	**13**		**1.1**	**25**		**1.1**	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011
n-Propylbenzene	500	3.9	ND		0.0013	**13**		**1.1**	**13**		**1.1**	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011
Naphthalene	500	12	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
o-Chlorotoluene	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
o-Xylene	500	0.26	ND		0.0013	ND		1.1	ND		1.1	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011
p-Chlorotoluene	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
p-Isopropyltoluene	NA	10	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
p/m-Xylene	500	0.26	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
sec-Butylbenzene	500	11	ND		0.0013	**13**		**1.1**	**16**		**1.1**	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011
Styrene	NA	300	ND		0.0026	ND		1.1	ND		1.1	ND		0.0021	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.0022	ND		0.0021
t-Butyl Alcohol	NA	NA	ND		0.013	ND		5.3	ND		5.5	ND		0.011	ND		0.011	ND		0.011	ND		0.011	ND		0.011	ND		0.011
t-Butylbenzene	NA	5.9	ND		0.0013	2.4		1.1	1.1		1.1	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011
tert-Butylbenzene	500	5.9	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Tetrachloroethene	150	1.3	ND		0.0026	ND		1.1	ND		1.1	ND		0.0021	ND		0.0022	ND		0.0023	ND		0.0011	ND		0.0011	ND		0.0011
Toluene	500	0.7	ND		0.0013	ND		1.1	ND		1.1	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011
Trans-1,2-dichloroethene	500	0.19	ND		0.0026	ND		1.1	ND		1.1	ND		0.0021	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.0022	ND		0.0021
Trans-1,3-dichloropropene	NA	NA	ND		0.0026	ND		1.1	ND		1.1	ND		0.0021	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.0022	ND		0.0021
trans-1,4-Dichloro-2-butene	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Trichloroethene	200	0.47	ND		0.0026	ND		1.1	ND		1.1	ND		0.0021	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.0022	ND		0.0021
Trichlorofluoromethane	NA	NA	ND		0.0026	ND		1.1	ND		1.1	ND		0.0021	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.0022	ND		0.0021
Vinyl acetate	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Vinyl chloride	13	0.02	ND		0.0026	ND		1.1	ND		1.1	ND		0.0021	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.0022	ND		0.0021
Xylenes (Total)	500	0.26	ND		0.0013	ND		1.1	ND		1.1	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011
SEMI-VOLATILE ORGANICS (SVOs)																													
1,2-Diphenylhydrazine	NA	NA	ND		0.13	ND		0.18	ND		0.038	ND		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036
2,4,5-Trichlorophenol	NA	NA	ND		0.13	ND		0.18	ND		0.038	ND		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036
2,4,6-Trichlorophenol	NA	NA	ND		0.13	ND		0.18	ND		0.038	ND		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036
2,4-Dichlorophenol	NA	NA	ND		0.032	ND		0.045	ND		0.0095	ND		0.0091	ND		0.0092	ND		0.0096	ND		0.0093	ND		0.0091	ND		0.0090
2,4-Dimethylphenol	NA	NA	ND		0.13	ND		0.18	0.44		0.038	ND		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036
2,4-Dinitrophenol	NA	NA	ND		0.65	ND		0.91	ND		0.19	ND		0.18	ND		0.18	ND		0.19	ND		0.076	ND		0.074	ND		0.073
2,4-Dinitrotoluene	NA	NA	ND		0.13	ND		0.18	ND		0.038	ND		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036
2,6-Dinitrotoluene	NA	NA	ND		0.13	ND		0.18	ND		0.038	ND		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036
2-Chloronaphthalene	NA	NA	ND		0.13	ND		0.18	ND		0.038	ND		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036
2-Chlorophenol	NA	NA	ND		0.13	ND		0.18	ND		0.038	ND		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036
2-Methylnaphthalene	NA	0.41	ND		0.13	**9.2**		**0.18**	**0.68**		**0.038**	ND		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036
2-Methylphenol	NA	0.33	ND		0.032	ND		0.045	ND		0.0095	ND		0.0091	ND		0.0092	ND		0.0096	ND		0.0093	ND		0.0091	ND		0.0090
2-Nitroaniline	NA	NA	ND		0.13	ND		0.18	ND		0.038	ND		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036
2-Nitrophenol	NA	NA	ND		0.13	ND		0.18	ND		0.038	ND		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036
3&4-Methylphenol	NA	0.33	ND		0.032	ND		0.045	ND		0.0095	ND		0.0091	ND		0.0092	ND		0.0096	ND		0.0093	ND		0.0091	ND		0.0090
3,3'-Dichlorobenzidine	NA	NA	ND		0.13	ND		0.18	ND		0.038	ND		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036
3-Nitroaniline	NA	NA	ND		0.13	ND		0.18	ND		0.038	ND		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036

TABLE 2
SOIL SAMPLING AND ANALYSES DATA SUMMARY
Proposed Self-Storage Facility
1538 Stillwell Avenue and 1540 Bassett Avenue
Bronx, Bronx County, New York

		SAMPLE ID:	B-1			B-2			B-3			B-4			B-5A			B-5B			B-1			B-2			B-3		
		LAB ID:	AC62229-001			AC62229-002			AC62229-003			AC62229-004			AC62229-005			AC62229-006			AC64571-001			AC64606-002			AC64606-001		
		COLLECTION DATE:	10/19/2011			10/19/2011			10/19/2011			10/19/2011			10/19/2011			10/19/2011			3/5/2012			3/7/2012			3/6/2012		
		SAMPLE DEPTH:	2.5 to 3.0			7.5 to 8.0			8.5 to 9.0			2.5 to 3.0			3.0 to 3.5			10.0 to 10.5			5.5 to 6.0			3.5 to 4.0			2.0 to 2.5		
		SAMPLE MATRIX:	SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL		
ANALYTE	**CSCO**	**UUSCO**	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL
4,6-Dinitro-2-methylphenol	NA	NA	ND		0.65	ND		0.91	ND		0.19	ND		0.18	ND		0.18	ND		0.19	ND		0.037	ND		0.036	ND		0.036
4-Bromophenyl-phenylether	NA	NA	ND		0.13	ND		0.18	ND		0.038	ND		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036
4-Chloro-3-methylphenol	NA	NA	ND		0.13	ND		0.18	ND		0.038	ND		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036
4-Chloroaniline	NA	NA	ND		0.062	ND		0.086	ND		0.018	ND		0.017	ND		0.017	ND		0.018	ND		0.018	ND		0.017	ND		0.017
4-Chlorophenyl-phenylether	NA	NA	ND		0.13	ND		0.18	ND		0.038	ND		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036
4-Nitroaniline	NA	NA	ND		0.13	ND		0.18	ND		0.038	ND		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036
4-Nitrophenol	NA	NA	ND		0.13	ND		0.18	ND		0.038	ND		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036
Acenaphthene	500	20	ND		0.13	ND		0.18	ND		0.038	ND		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036
Acenaphthylene	500	100	0.34		0.13	ND		0.18	ND		0.038	ND		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036
Aniline	NA	NA	ND		0.053	ND		0.074	ND		0.015	ND		0.015	ND		0.015	ND		0.016	ND		0.015	ND		0.015	ND		0.015
Anthracene	500	100	0.26		0.13	ND		0.18	ND		0.038	0.041		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036
Benzidine	NA	NA	ND		0.13	ND		0.18	ND		0.038	ND		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036
Benzo[a]anthracene	5.6	1	0.99		0.13	ND		0.18	ND		0.038	0.14		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036
Benzo[a]pyrene	1	1	0.89		0.13	ND		0.18	ND		0.038	0.12		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036
Benzo[b]fluoranthene	5.6	1	**1.6**		**0.13**	ND		0.18	ND		0.038	0.17		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036
Benzo[g,h,i]perylene	500	100	0.83		0.13	ND		0.18	ND		0.038	0.10		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036
Benzo[k]fluoranthene	56	0.8	0.49		0.13	ND		0.18	ND		0.038	ND		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036
Benzoic acid	NA	NA	ND		0.65	ND		0.91	ND		0.19	ND		0.18	ND		0.18	ND		0.19	ND		0.19	ND		0.18	ND		0.18
bis(2-Chloroethoxy)methane	NA	NA	ND		0.13	ND		0.18	ND		0.038	ND		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036
bis(2-Chloroethyl)ether	NA	NA	ND		0.032	ND		0.045	ND		0.0095	ND		0.0091	ND		0.0092	ND		0.0096	ND		0.0093	ND		0.0091	ND		0.0090
bis(2-Chloroisopropyl)ether	NA	NA	ND		0.13	ND		0.18	ND		0.038	ND		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036
bis(2-Ethylhexyl)phthalate	NA	50	0.23		0.13	ND		0.18	ND		0.038	0.056		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	0.080		0.036
Butylbenzylphthalate	NA	NA	ND		0.13	ND		0.18	ND		0.038	ND		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036
Carbazole	NA	NA	0.15		0.13	ND		0.18	ND		0.038	ND		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036
Chrysene	56	1	**1.3**		**0.13**	ND		0.18	ND		0.038	0.15		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036
Dibenzo[a,h]anthracene	0.56	0.33	**0.39**		**0.13**	ND		0.18	ND		0.038	0.044		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036
Dibenzofuran	NA	7	ND		0.032	ND		0.045	ND		0.0095	ND		0.0091	ND		0.0092	ND		0.0096	ND		0.0093	ND		0.0091	ND		0.0090
Diethylphthalate	NA	NA	ND		0.13	ND		0.18	ND		0.038	ND		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036
Dimethylphthalate	NA	NA	ND		0.13	ND		0.18	ND		0.038	ND		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036
Di-n-butylphthalate	NA	0.014	ND		0.065	ND		0.091	ND		0.019	**0.019**		**0.018**	ND		0.018	ND		0.019	ND		0.019	ND		0.018	ND		0.018
Di-n-octylphthalate	NA	NA	ND		0.13	ND		0.18	ND		0.038	ND		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036
Fluoranthene	500	100	1.7		0.13	ND		0.18	ND		0.038	0.23		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036
Fluorene	500	30	ND		0.13	ND		0.18	ND		0.038	ND		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036
Hexachlorobenzene	NA	0.33	ND		0.13	ND		0.18	ND		0.038	ND		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036
Hexachlorobutadiene	NA	NA	ND		0.13	ND		0.18	ND		0.038	ND		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036
Hexachlorocyclopentadiene	NA	NA	ND		0.13	ND		0.18	ND		0.038	ND		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036
Hexachloroethane	NA	NA	ND		0.13	ND		0.18	ND		0.038	ND		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036
Indeno[1,2,3-cd]pyrene	5.6	0.5	**0.93**		**0.13**	ND		0.18	ND		0.038	0.096		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036
Isophorone	NA	NA	ND		0.13	ND		0.18	ND		0.038	ND		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036
Naphthalene	500	12	0.067		0.032	ND		0.045	ND		0.0095	0.17		0.0091	ND		0.0092	ND		0.0096	ND		0.0093	ND		0.0091	ND		0.0090
Nitrobenzene	NA	NA	ND		0.13	ND		0.18	ND		0.038	ND		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036
N-Nitrosodimethylamine	NA	NA	ND		0.13	ND		0.18	ND		0.038	ND		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036
N-Nitroso-di-n-propylamine	NA	NA	ND		0.032	ND		0.045	ND		0.0095	ND		0.0091	ND		0.0092	ND		0.0096	ND		0.0093	ND		0.0091	ND		0.0090
N-Nitrosodiphenylamine	NA	NA	ND		0.13	ND		0.18	ND		0.038	ND		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036
Pentachlorophenol	6.7	0.8	ND		0.65	ND		0.91	ND		0.19	ND		0.18	ND		0.18	ND		0.19	ND		0.19	ND		0.18	ND		0.18
Phenanthrene	500	100	0.70		0.13	0.27		0.18	ND		0.038	0.14		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036
Phenol	500	0.33	ND		0.13	ND		0.18	ND		0.038	ND		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036
Pyrene	500	100	1.8		0.13	ND		0.18	ND		0.038	0.25		0.036	ND		0.037	ND		0.038	ND		0.037	ND		0.036	ND		0.036
METALS																													
Mercury	2.8	0.18	**0.55**		**0.11**	0.16		0.091	ND		0.095	ND		0.091	ND		0.092	ND		0.096	ND		0.093	ND		0.091	ND		0.090

TABLE 2
SOIL SAMPLING AND ANALYSES DATA SUMMARY
Proposed Self-Storage Facility
1538 Stillwell Avenue and 1540 Bassett Avenue
Bronx, Bronx County, New York

		SAMPLE ID:	B-1			B-2			B-3			B-4			B-5A			B-5B			B-1			B-2			B-3		
		LAB ID:	AC62229-001			AC62229-002			AC62229-003			AC62229-004			AC62229-005			AC62229-006			AC64571-001			AC64606-002			AC64606-001		
		COLLECTION DATE:	10/19/2011			10/19/2011			10/19/2011			10/19/2011			10/19/2011			10/19/2011			3/5/2012			3/7/2012			3/6/2012		
		SAMPLE DEPTH:	2.5 to 3.0			7.5 to 8.0			8.5 to 9.0			2.5 to 3.0			3.0 to 3.5			10.0 to 10.5			5.5 to 6.0			3.5 to 4.0			2.0 to 2.5		
		SAMPLE MATRIX:	SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL		
ANALYTE	**CSCO**	**UUSCO**	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL
Aluminum	NA	NA	8,700		260	7,900		220	25,000		230	14,000		220	14,000		220	11,000		230	17,000		220	12,000		220	11,000		220
Antimony	NA	NA	5.5		2.6	ND		2.2	ND		2.3	ND		2.2	ND		2.2	ND		2.3	ND		2.2	ND		2.2	ND		2.2
Arsenic	16	13	**50**		**2.6**	ND		2.2	3.3		2.3	ND		2.2	ND		2.2	ND		2.3	ND		2.2	ND		2.2	ND		2.2
Barium	400	350	**610**		**13**	87		11	**530**		**11**	170		11	120		11	150		11	140		11	93		11	140		11
Beryllium	590	7.2	ND		0.78	ND		0.65	1.4		0.68	ND		0.65	ND		0.66	ND		0.69	0.99		0.67	ND		0.65	ND		0.65
Cadmium	9.3	2.5	**3.7**		**0.78**	ND		0.65	ND		0.68	ND		0.65	ND		0.66	ND		0.69	ND		0.67	ND		0.65	ND		0.65
Calcium	NA	NA	2,800		1,300	5,200		1,100	6,400		1,100	2,100		1,100	1,300		1,100	1,900		1,100	ND		1,100	1,100		1,100	2,600		1,100
Chromium	1,500	30	**43**		**6.5**	25		5.4	**470**		**5.7**	**34**		**5.4**	**39**		**5.5**	**48**		**5.7**	**43**		**5.6**	**39**		**5.4**	**33**		**5.4**
Cobalt	NA	NA	12		3.2	8.1		2.7	24		2.8	13		2.7	13		2.7	12		2.9	14		2.8	10		2.7	12		2.7
Copper	270	50	**190**		**6.5**	23		5.4	**75**		**5.7**	44		5.4	26		5.5	29		5.7	36		5.6	27		5.4	42		5.4
Iron	NA	NA	40,000		260	15,000		220	34,000		230	27,000		220	20,000		220	19,000		230	26,000		220	19,000		220	23,000		220
Lead	1,000	63	**4,200**		**6.5**	15		5.4	6.4		5.7	41		5.4	ND		5.5	ND		5.7	ND		5.6	ND		5.4	**65**		**5.4**
Magnesium	NA	NA	3,900		650	3,400		540	25,000		570	6,200		540	5,000		550	5,600		570	5,900		560	3,800		540	4,000		540
Manganese	10,000	1,600	890		13	520		11	720		11	760		11	480		11	220		11	530		11	430		11	350		11
Nickel	310	30	29		6.5	15		5.4	**140**		**5.7**	24		5.4	26		5.5	26		5.7	**32**		**5.6**	22		5.4	23		5.4
Potassium	NA	NA	3,400		650	3,100		540	9,500		570	6,900		540	4,700		550	4,500		570	5,700		560	3,600		540	3,500		540
Selenium	1,500	3.9	ND		2.3	ND		2.0	ND		2.0	ND		2.0	ND		2.0	ND		2.1	ND		2.0	ND		2.0	ND		1.9
Silver	1,500	2	ND		1.9	ND		1.6	ND		1.7	ND		1.6	ND		1.6	ND		1.7	ND		1.7	ND		1.6	ND		1.6
Sodium	NA	NA	ND		320	ND		270	440		280	ND		270	ND		270	ND		290	ND		280	ND		270	ND		270
Thallium	NA	NA	ND		1.6	ND		1.3	ND		1.4	ND		1.3	ND		1.3	ND		1.4	ND		1.3	ND		1.3	ND		1.3
Vanadium	NA	NA	43		13	26		11	56		11	42		11	41		11	38		11	49		11	36		11	32		11
Zinc	10,000	109	**480**		**13**	42		11	75		11	79		11	46		11	41		11	49		11	35		11	**150**		**11**
POLYCHLORINATED BIPHENYLS (PCBs)																													
Aroclor (Total)	1	0.1	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1016	1	0.1	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1221	1	0.1	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1232	1	0.1	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1242	1	0.1	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1248	1	0.1	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1254	1	0.1	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1260	1	0.1	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1262	1	0.1	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1268	1	0.1	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
PESTICIDES																													
Aldrin	0.68	0.005	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Alpha-BHC	3.4	0.02	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
beta-BHC	3	0.036	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Chlordane	24	0.91	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
delta-BHC	500	0.04	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Dieldrin	1.4	0.005	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Endosulfan I	200	2.4	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Endosulfan II	200	2.4	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Endosulfan Sulfate	200	2.4	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Endrin	89	0.014	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Endrin Aldehyde	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Endrin Ketone	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
gamma-BHC	NA	0.1	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Heptachlor	15	0.042	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Heptachlor Epoxide	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Methoxychlor	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~

TABLE 2
SOIL SAMPLING AND ANALYSES DATA SUMMARY
Proposed Self-Storage Facility
1538 Stillwell Avenue and 1540 Bassett Avenue
Bronx, Bronx County, New York

		SAMPLE ID:	B-1			B-2			B-3			B-4			B-5A			B-5B			B-1			B-2			B-3		
		LAB ID:	AC62229-001			AC62229-002			AC62229-003			AC62229-004			AC62229-005			AC62229-006			AC64571-001			AC64606-002			AC64606-001		
		COLLECTION DATE:	10/19/2011			10/19/2011			10/19/2011			10/19/2011			10/19/2011			10/19/2011			3/5/2012			3/7/2012			3/6/2012		
		SAMPLE DEPTH:	2.5 to 3.0			7.5 to 8.0			8.5 to 9.0			2.5 to 3.0			3.0 to 3.5			10.0 to 10.5			5.5 to 6.0			3.5 to 4.0			2.0 to 2.5		
		SAMPLE MATRIX:	SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL		
ANALYTE	**CSCO**	**UUSCO**	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL
p,p'-DDD	92	0.0033	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
p,p'-DDE	62	0.0033	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
p,p'-DDT	47	0.0033	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Toxaphene	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
OTHER PARAMETERS																													
Percent Solids	NA	NA	77			92			88			92			91			87			90			92			93		

Notes:
Yellow shaded and bold value indicates an exceedence of the NYSDEC UUSCO
Red shaded and bold value indicates an exceedence of the NYSDEC CSCO
All results reported in parts per million (ppm or mg/kg)
Sample depths reported in feet below ground surface (fbgs)
UUSCO - NYSDEC Remedial Program Part 375 Unrestricted Use Soil Cleanup Objectives. Where applicable, the UUSCO is based on the NYSDEC CP-51 Soil Cleanup Objective.
CSCO - NYSDEC Remedial Program Part 375 Restricted Use Commercial Soil Cleanup Objectives
Flg - Data Qualifier
RL - Laboratory Reporting Limit
ND - Not Detected exceeding RL
NA - No Applicable NYSDEC SCO
J - Detected at an estimated concentration
~ - Not analyzed for this compound
D - Reported from lower column

TABLE 2
SOIL SAMPLING AND ANALYSES DATA SUMMARY
Proposed Self-Storage Facility
1538 Stillwell Avenue and 1540 Bassett Avenue
Bronx, Bronx County, New York

		SAMPLE ID:	B-5			RI-B1-A			RI-B1-B			RI-B2-A			RI-B2-B			RI-B2-C			RI-B3-A			RI-B3-B			RI-B3-A (DUP)		
		LAB ID:	AC64634-001			AC66869-001			AC66869-002			AC66869-003			AC66869-004			AC66869-007			AC66869-005			AC66869-006			AC66869-008		
		COLLECTION DATE:	3/8/2012			6/28/2012			6/28/2012			6/28/2012			6/28/2012			6/28/2012			6/28/2012			6/28/2012			6/28/2012		
		SAMPLE DEPTH:	1.0 to 1.5			1.0 to 1.5			4.5 to 5.0			1.0 to 1.5			4.5 to 5.0			8.5 to 9.0			1.5 to 2.0			7.0 to 7.5			1.5 to 2.0		
		SAMPLE MATRIX:	SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL		
ANALYTE	**CSCO**	**UUSCO**	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL
VOLATILE ORGANICS (VOs)																													
1,1,1,2-Tetrachloroethane	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
1,1,1-Trichloroethane	500	0.68	ND		0.0022	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.011	ND		0.010	ND		0.0021	ND		0.0022	ND		0.0021
1,1,2,2-Tetrachloroethane	NA	NA	ND		0.0022	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.011	ND		0.010	ND		0.0021	ND		0.0022	ND		0.0021
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	ND		0.0011	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.011	ND		0.010	ND		0.0021	ND		0.0022	ND		0.0021
1,1,2-Trichloroethane	NA	NA	ND		0.0022	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.011	ND		0.010	ND		0.0021	ND		0.0022	ND		0.0021
1,1-Dichloroethane	240	0.27	ND		0.0022	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.011	ND		0.010	ND		0.0021	ND		0.0022	ND		0.0021
1,1-Dichloroethene	500	0.33	ND		0.0022	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.011	ND		0.010	ND		0.0021	ND		0.0022	ND		0.0021
1,1-Dichloropropene	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
1,2,3-Trichlorobenzene	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
1,2,3-Trichloropropane	NA	NA	ND		0.0022	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.011	ND		0.010	ND		0.0021	ND		0.0022	ND		0.0021
1,2,4,5-Tetramethylbenzene	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
1,2,4-Trichlorobenzene	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
1,2,4-Trimethylbenzene	190	3.6	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	0.049		0.0053	ND		0.0052	ND		0.0011	ND		0.0011	ND		0.0011
1,2-Dibromo-3-chloropropane	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
1,2-Dibromoethane	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
1,2-Dichlorobenzene	500	1.1	ND		0.0022	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.011	ND		0.010	ND		0.0021	ND		0.0022	ND		0.0021
1,2-Dichloroethane	30	0.02	ND		0.0022	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.011	ND		0.010	ND		0.0021	ND		0.0022	ND		0.0021
1,2-Dichloropropane	NA	NA	ND		0.0022	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.011	ND		0.010	ND		0.0021	ND		0.0022	ND		0.0021
1,3,5-Trimethylbenzene	190	8.4	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	0.021		0.0053	ND		0.0052	ND		0.0011	ND		0.0011	ND		0.0011
1,3-Dichlorobenzene	280	2.4	ND		0.0022	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.011	ND		0.010	ND		0.0021	ND		0.0022	ND		0.0021
1,3-Dichloropropane	NA	NA	ND		0.0022	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.011	ND		0.010	ND		0.0021	ND		0.0022	ND		0.0021
1,4-Dichlorobenzene	130	1.8	ND		0.0022	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.011	ND		0.010	ND		0.0021	ND		0.0022	ND		0.0021
1,4-Diethylbenzene	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
1,4-Dioxane	130	0.1	ND		0.11	ND		0.11	ND		0.11	ND		0.11	ND		0.53	ND		0.52	ND		0.11	ND		0.11	ND		0.11
2,2-Dichloropropane	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
2-Butanone	500	0.12	ND		0.0011	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.011	ND		0.010	ND		0.0021	ND		0.0022	ND		0.0021
2-Chloroethylvinylether	NA	NA	ND		0.0022	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.011	ND		0.010	ND		0.0021	ND		0.0022	ND		0.0021
2-Hexanone	NA	NA	ND		0.0022	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.011	ND		0.010	ND		0.0021	ND		0.0022	ND		0.0021
4-Ethyltoluene	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
4-Isopropyltoluene	NA	10	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	0.026		0.0053	ND		0.0052	ND		0.0011	ND		0.0011	ND		0.0011
4-Methyl-2-pentanone	NA	1.0	ND		0.0022	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.011	ND		0.010	ND		0.0021	ND		0.0022	ND		0.0021
Acetone	500	0.05	ND		0.011	ND		0.011	ND		0.011	ND		0.011	**0.14**		**0.053**	**0.13**		**0.052**	ND		0.011	ND		0.011	ND		0.011
Acrolein	NA	NA	ND		0.011	ND		0.011	ND		0.011	ND		0.011	ND		0.053	ND		0.052	ND		0.011	ND		0.011	ND		0.011
Acrylonitrile	NA	NA	ND		0.0055	ND		0.0054	ND		0.0056	ND		0.0054	ND		0.027	ND		0.026	ND		0.0053	ND		0.0054	ND		0.0053
Benzene	44	0.06	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0053	ND		0.0052	ND		0.0011	ND		0.0011	ND		0.0011
Bromobenzene	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Bromochloromethane	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Bromodichloromethane	NA	NA	ND		0.0022	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.011	ND		0.010	ND		0.0021	ND		0.0022	ND		0.0021
Bromoform	NA	NA	ND		0.0022	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.011	ND		0.010	ND		0.0021	ND		0.0022	ND		0.0021
Bromomethane	NA	NA	ND		0.0022	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.011	ND		0.010	ND		0.0021	ND		0.0022	ND		0.0021
Carbon disulfide	NA	2.7	ND		0.0022	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.011	ND		0.010	ND		0.0021	ND		0.0022	ND		0.0021
Carbon tetrachloride	22	0.76	ND		0.0022	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.011	ND		0.010	ND		0.0021	ND		0.0022	ND		0.0021
Chlorobenzene	500	1.1	ND		0.0022	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.011	ND		0.010	ND		0.0021	ND		0.0022	ND		0.0021
Chloroethane	NA	NA	ND		0.0022	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.011	ND		0.010	ND		0.0021	ND		0.0022	ND		0.0021
Chloroform	350	0.37	ND		0.0022	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.011	ND		0.010	ND		0.0021	ND		0.0022	ND		0.0021
Chloromethane	NA	NA	ND		0.0022	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.011	ND		0.010	ND		0.0021	ND		0.0022	ND		0.0021
cis-1,2-Dichloroethene	500	0.25	ND		0.0022	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.011	ND		0.010	ND		0.0021	ND		0.0022	ND		0.0021
cis-1,3-Dichloropropene	NA	NA	ND		0.0022	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.011	ND		0.010	ND		0.0021	ND		0.0022	ND		0.0021
Dibromochloromethane	NA	NA	ND		0.0022	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.011	ND		0.010	ND		0.0021	ND		0.0022	ND		0.0021

TABLE 2
SOIL SAMPLING AND ANALYSES DATA SUMMARY
Proposed Self-Storage Facility
1538 Stillwell Avenue and 1540 Bassett Avenue
Bronx, Bronx County, New York

		SAMPLE ID:	B-5			RI-B1-A			RI-B1-B			RI-B2-A			RI-B2-B			RI-B2-C			RI-B3-A			RI-B3-B			RI-B3-A (DUP)		
		LAB ID:	AC64634-001			AC66869-001			AC66869-002			AC66869-003			AC66869-004			AC66869-007			AC66869-005			AC66869-006			AC66869-008		
		COLLECTION DATE:	3/8/2012			6/28/2012			6/28/2012			6/28/2012			6/28/2012			6/28/2012			6/28/2012			6/28/2012			6/28/2012		
		SAMPLE DEPTH:	1.0 to 1.5			1.0 to 1.5			4.5 to 5.0			1.0 to 1.5			4.5 to 5.0			8.5 to 9.0			1.5 to 2.0			7.0 to 7.5			1.5 to 2.0		
		SAMPLE MATRIX:	SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL		
ANALYTE	**CSCO**	**UUSCO**	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL
Dibromomethane	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Dichlorodifluoromethane	NA	NA	ND		0.0022	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.011	ND		0.010	ND		0.0021	ND		0.0022	ND		0.0021
Ethyl ether	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Ethylbenzene	390	1	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0053	ND		0.0052	ND		0.0011	ND		0.0011	ND		0.0011
Hexachlorobutadiene	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Isopropylbenzene	NA	2.3	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	0.0079		0.0053	ND		0.0052	ND		0.0011	ND		0.0011	ND		0.0011
m&p-Xylenes	NA	0.26	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0053	ND		0.0052	ND		0.0011	ND		0.0011	ND		0.0011
Methylene chloride	500	0.05	ND		0.0022	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.011	ND		0.010	ND		0.0021	ND		0.0022	ND		0.0021
Methyl-t-butyl ether	500	0.93	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0053	ND		0.0052	ND		0.0011	ND		0.0011	ND		0.0011
n-Butylbenzene	500	12	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	0.18		0.0053	0.037		0.0052	ND		0.0011	ND		0.0011	ND		0.0011
n-Propylbenzene	500	3.9	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	0.028		0.0053	0.0058		0.0052	ND		0.0011	ND		0.0011	ND		0.0011
Naphthalene	500	12	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
o-Chlorotoluene	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
o-Xylene	500	0.26	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0053	ND		0.0052	ND		0.0011	ND		0.0011	ND		0.0011
p-Chlorotoluene	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
p-Isopropyltoluene	NA	10	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
p/m-Xylene	500	0.26	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
sec-Butylbenzene	500	11	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	0.076		0.0053	0.016		0.0052	ND		0.0011	ND		0.0011	ND		0.0011
Styrene	NA	300	ND		0.0022	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.011	ND		0.010	ND		0.0021	ND		0.0022	ND		0.0021
t-Butyl Alcohol	NA	NA	ND		0.011	ND		0.011	ND		0.011	ND		0.011	ND		0.053	ND		0.052	ND		0.011	ND		0.011	ND		0.011
t-Butylbenzene	NA	5.9	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	0.0067		0.0053	ND		0.0052	ND		0.0011	ND		0.0011	ND		0.0011
tert-Butylbenzene	500	5.9	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Tetrachloroethene	150	1.3	ND		0.0011	0.0056		0.0022	ND		0.0023	0.0070		0.0022	ND		0.011	ND		0.010	0.0056		0.0021	0.0079		0.0022	0.0052		0.0021
Toluene	500	0.7	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0053	ND		0.0052	ND		0.0011	ND		0.0011	ND		0.0011
Trans-1,2-dichloroethene	500	0.19	ND		0.0022	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.011	ND		0.010	ND		0.0021	ND		0.0022	ND		0.0021
Trans-1,3-dichloropropene	NA	NA	ND		0.0022	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.011	ND		0.010	ND		0.0021	ND		0.0022	ND		0.0021
trans-1,4-Dichloro-2-butene	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Trichloroethene	200	0.47	ND		0.0022	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.011	ND		0.010	ND		0.0021	ND		0.0022	ND		0.0021
Trichlorofluoromethane	NA	NA	ND		0.0022	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.011	ND		0.010	ND		0.0021	ND		0.0022	ND		0.0021
Vinyl acetate	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Vinyl chloride	13	0.02	ND		0.0022	ND		0.0022	ND		0.0023	ND		0.0022	ND		0.011	ND		0.010	ND		0.0021	ND		0.0022	ND		0.0021
Xylenes (Total)	500	0.26	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0053	ND		0.0052	ND		0.0011	ND		0.0011	ND		0.0011
SEMI-VOLATILE ORGANICS (SVOs)																													
1,2-Diphenylhydrazine	NA	NA	ND		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	ND		0.036	ND		0.074	ND		0.037
2,4,5-Trichlorophenol	NA	NA	ND		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	ND		0.036	ND		0.074	ND		0.037
2,4,6-Trichlorophenol	NA	NA	ND		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	ND		0.036	ND		0.074	ND		0.037
2,4-Dichlorophenol	NA	NA	ND		0.0094	ND		0.0093	ND		0.0095	ND		0.0092	ND		0.0089	ND		0.0089	ND		0.0091	ND		0.019	ND		0.0092
2,4-Dimethylphenol	NA	NA	ND		0.037	ND		0.037	ND		0.038	ND		0.037	0.043		0.035	0.047		0.035	ND		0.036	ND		0.074	ND		0.037
2,4-Dinitrophenol	NA	NA	ND		0.19	ND		0.19	ND		0.19	ND		0.18	ND		0.18	ND		0.18	ND		0.18	ND		0.37	ND		0.18
2,4-Dinitrotoluene	NA	NA	ND		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	ND		0.036	ND		0.074	ND		0.037
2,6-Dinitrotoluene	NA	NA	ND		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	ND		0.036	ND		0.074	ND		0.037
2-Chloronaphthalene	NA	NA	ND		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	ND		0.036	ND		0.074	ND		0.037
2-Chlorophenol	NA	NA	ND		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	ND		0.036	ND		0.074	ND		0.037
2-Methylnaphthalene	NA	0.41	ND		0.037	ND		0.037	ND		0.038	ND		0.037	0.29		0.035	0.26		0.035	ND		0.036	ND		0.074	ND		0.037
2-Methylphenol	NA	0.33	ND		0.0094	ND		0.0093	ND		0.0095	ND		0.0092	ND		0.0089	ND		0.0089	ND		0.0091	ND		0.019	ND		0.0092
2-Nitroaniline	NA	NA	ND		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	ND		0.036	ND		0.074	ND		0.037
2-Nitrophenol	NA	NA	ND		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	ND		0.036	ND		0.074	ND		0.037
3&4-Methylphenol	NA	0.33	ND		0.0094	ND		0.0093	ND		0.0095	ND		0.0092	ND		0.0089	ND		0.0089	ND		0.0091	ND		0.019	ND		0.0092
3,3'-Dichlorobenzidine	NA	NA	ND		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	ND		0.036	ND		0.074	ND		0.037
3-Nitroaniline	NA	NA	ND		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	ND		0.036	ND		0.074	ND		0.037

TABLE 2
SOIL SAMPLING AND ANALYSES DATA SUMMARY
Proposed Self-Storage Facility
1538 Stillwell Avenue and 1540 Bassett Avenue
Bronx, Bronx County, New York

		SAMPLE ID:	B-5			RI-B1-A			RI-B1-B			RI-B2-A			RI-B2-B			RI-B2-C			RI-B3-A			RI-B3-B			RI-B3-A (DUP)		
		LAB ID:	AC64634-001			AC66869-001			AC66869-002			AC66869-003			AC66869-004			AC66869-007			AC66869-005			AC66869-006			AC66869-008		
		COLLECTION DATE:	3/8/2012			6/28/2012			6/28/2012			6/28/2012			6/28/2012			6/28/2012			6/28/2012			6/28/2012			6/28/2012		
		SAMPLE DEPTH:	1.0 to 1.5			1.0 to 1.5			4.5 to 5.0			1.0 to 1.5			4.5 to 5.0			8.5 to 9.0			1.5 to 2.0			7.0 to 7.5			1.5 to 2.0		
		SAMPLE MATRIX:	SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL		
ANALYTE	**CSCO**	**UUSCO**	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL
4,6-Dinitro-2-methylphenol	NA	NA	ND		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	ND		0.036	ND		0.074	ND		0.037
4-Bromophenyl-phenylether	NA	NA	ND		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	ND		0.036	ND		0.074	ND		0.037
4-Chloro-3-methylphenol	NA	NA	ND		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	ND		0.036	ND		0.074	ND		0.037
4-Chloroaniline	NA	NA	ND		0.018	ND		0.018	ND		0.018	ND		0.017	ND		0.017	ND		0.017	ND		0.017	ND		0.035	ND		0.017
4-Chlorophenyl-phenylether	NA	NA	ND		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	ND		0.036	ND		0.074	ND		0.037
4-Nitroaniline	NA	NA	ND		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	ND		0.036	ND		0.074	ND		0.037
4-Nitrophenol	NA	NA	ND		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	ND		0.036	ND		0.074	ND		0.037
Acenaphthene	500	20	ND		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	ND		0.036	ND		0.074	ND		0.037
Acenaphthylene	500	100	ND		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	ND		0.036	ND		0.074	ND		0.037
Aniline	NA	NA	ND		0.015	ND		0.015	ND		0.015	ND		0.015	ND		0.014	ND		0.014	ND		0.015	ND		0.030	ND		0.015
Anthracene	500	100	0.11		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	ND		0.036	0.087		0.074	0.099		0.037
Benzidine	NA	NA	ND		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	ND		0.036	ND		0.074	ND		0.037
Benzo[a]anthracene	5.6	1	0.59		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	0.090		0.036	0.47		0.074	0.34		0.037
Benzo[a]pyrene	1	1	0.45		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	0.096		0.036	0.44		0.074	0.30		0.037
Benzo[b]fluoranthene	5.6	1	0.60		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	0.16		0.036	0.59		0.074	0.38		0.037
Benzo[g,h,i]perylene	500	100	0.28		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	0.069		0.036	0.33		0.074	0.19		0.037
Benzo[k]fluoranthene	56	0.8	0.23		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	ND		0.036	0.20		0.074	0.14		0.037
Benzoic acid	NA	NA	ND		0.15	ND		0.19	ND		0.19	ND		0.18	ND		0.18	ND		0.18	ND		0.18	ND		0.37	ND		0.18
bis(2-Chloroethoxy)methane	NA	NA	ND		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	ND		0.036	ND		0.074	ND		0.037
bis(2-Chloroethyl)ether	NA	NA	ND		0.0094	ND		0.0093	ND		0.0095	ND		0.0092	ND		0.0089	ND		0.0089	ND		0.0091	ND		0.019	ND		0.0092
bis(2-Chloroisopropyl)ether	NA	NA	ND		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	ND		0.036	ND		0.074	ND		0.037
bis(2-Ethylhexyl)phthalate	NA	50	ND		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	ND		0.036	0.088		0.074	ND		0.037
Butylbenzylphthalate	NA	NA	ND		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	ND		0.036	ND		0.074	ND		0.037
Carbazole	NA	NA	0.041		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	ND		0.036	ND		0.074	ND		0.037
Chrysene	56	1	0.54		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	0.092		0.036	0.48		0.074	0.35		0.037
Dibenzo[a,h]anthracene	0.56	0.33	0.14		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	ND		0.036	ND		0.074	0.069		0.037
Dibenzofuran	NA	7	ND		0.0094	ND		0.0093	ND		0.0095	ND		0.0092	ND		0.0089	ND		0.0089	ND		0.0091	ND		0.019	ND		0.0092
Diethylphthalate	NA	NA	ND		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	ND		0.036	ND		0.074	ND		0.037
Dimethylphthalate	NA	NA	ND		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	ND		0.036	ND		0.074	ND		0.037
Di-n-butylphthalate	NA	0.014	ND		0.019	ND		0.019	ND		0.019	ND		0.018	ND		0.018	ND		0.018	ND		0.018	ND		0.037	ND		0.018
Di-n-octylphthalate	NA	NA	ND		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	ND		0.036	ND		0.074	ND		0.037
Fluoranthene	500	100	0.99		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	0.14		0.036	0.76		0.074	0.60		0.037
Fluorene	500	30	0.058		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	ND		0.036	ND		0.074	ND		0.037
Hexachlorobenzene	NA	0.33	ND		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	ND		0.036	ND		0.074	ND		0.037
Hexachlorobutadiene	NA	NA	ND		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	ND		0.036	ND		0.074	ND		0.037
Hexachlorocyclopentadiene	NA	NA	ND		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	ND		0.036	ND		0.074	ND		0.037
Hexachloroethane	NA	NA	ND		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	ND		0.036	ND		0.074	ND		0.037
Indeno[1,2,3-cd]pyrene	5.6	0.5	0.29		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	0.075		0.036	0.28		0.074	0.19		0.037
Isophorone	NA	NA	ND		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	ND		0.036	ND		0.074	ND		0.037
Naphthalene	500	12	ND		0.0094	ND		0.0093	ND		0.0095	ND		0.0092	0.15		0.0089	0.13		0.0089	ND		0.0091	ND		0.019	ND		0.0092
Nitrobenzene	NA	NA	ND		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	ND		0.036	ND		0.074	ND		0.037
N-Nitrosodimethylamine	NA	NA	ND		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	ND		0.036	ND		0.074	ND		0.037
N-Nitroso-di-n-propylamine	NA	NA	ND		0.0094	ND		0.0093	ND		0.0095	ND		0.0092	ND		0.0089	ND		0.0089	ND		0.0091	ND		0.019	ND		0.0092
N-Nitrosodiphenylamine	NA	NA	ND		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	ND		0.036	ND		0.074	ND		0.037
Pentachlorophenol	6.7	0.8	ND		0.19	ND		0.19	ND		0.19	ND		0.18	ND		0.18	ND		0.18	ND		0.18	ND		0.37	ND		0.18
Phenanthrene	500	100	0.46		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	0.048		0.036	0.26		0.074	0.14		0.037
Phenol	500	0.33	ND		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	ND		0.036	ND		0.074	ND		0.037
Pyrene	500	100	0.90		0.037	ND		0.037	ND		0.038	ND		0.037	ND		0.035	ND		0.035	0.16		0.036	0.78		0.074	0.70		0.037
METALS																													
Mercury	2.8	0.18	0.11		0.094	ND		0.093	ND		0.095	ND		0.092	ND		0.089	ND		0.089	ND		0.091	0.15		0.093	0.11		0.092

TABLE 2
SOIL SAMPLING AND ANALYSES DATA SUMMARY
Proposed Self-Storage Facility
1538 Stillwell Avenue and 1540 Bassett Avenue
Bronx, Bronx County, New York

		SAMPLE ID:	B-5			RI-B1-A			RI-B1-B			RI-B2-A			RI-B2-B			RI-B2-C			RI-B3-A			RI-B3-B			RI-B3-A (DUP)		
		LAB ID:	AC64634-001			AC66869-001			AC66869-002			AC66869-003			AC66869-004			AC66869-007			AC66869-005			AC66869-006			AC66869-008		
		COLLECTION DATE:	3/8/2012			6/28/2012			6/28/2012			6/28/2012			6/28/2012			6/28/2012			6/28/2012			6/28/2012			6/28/2012		
		SAMPLE DEPTH:	1.0 to 1.5			1.0 to 1.5			4.5 to 5.0			1.0 to 1.5			4.5 to 5.0			8.5 to 9.0			1.5 to 2.0			7.0 to 7.5			1.5 to 2.0		
		SAMPLE MATRIX:	SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL		
ANALYTE	**CSCO**	**UUSCO**	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL
Aluminum	NA	NA	16,000		220	15,000		220	19,000		230	19,000		220	16,000		210	9,500		210	17,000		220	17,000		220	17,000		220
Antimony	NA	NA	ND		2.2	ND		2.2	ND		2.3	ND		2.2	ND		2.1	ND		2.1	ND		2.2	ND		2.2	ND		2.2
Arsenic	16	13	3.1		2.2	ND		2.2	ND		2.3	ND		2.2	ND		2.1	ND		2.1	ND		2.2	3.9		2.2	2.3		2.2
Barium	400	350	120		11	130		11	110		11	110		11	130		11	99		11	170		11	150		11	120		11
Beryllium	590	7.2	0.94		0.67	ND		0.67	1.0		0.68	ND		0.66	ND		0.64	ND		0.64	ND		0.65	ND		0.67	ND		0.66
Cadmium	9.3	2.5	ND		0.67	ND		0.67	ND		0.68	ND		0.66	ND		0.64	ND		0.64	ND		0.65	ND		0.67	ND		0.66
Calcium	NA	NA	2,500		1,100	4,000		1,100	2,300		1,100	2,200		1,100	3,400		1,100	1,300		1,100	1,800		1,100	5,300		1,100	2,600		1,100
Chromium	1,500	30	**36**		**5.6**	**35**		**5.6**	**57**		**5.7**	**45**		**5.5**	**47**		**5.3**	**32**		**5.3**	**39**		**5.4**	**41**		**5.6**	30		5.5
Cobalt	NA	NA	13		2.8	11		2.8	14		2.8	13		2.7	11		2.7	8.7		2.7	11		2.7	12		2.8	13		2.7
Copper	270	50	31		5.6	29		5.6	14		5.7	31		5.5	31		5.3	27		5.3	28		5.4	48		5.6	33		5.5
Iron	NA	NA	26,000		220	21,000		220	30,000		230	24,000		220	23,000		210	15,000		210	26,000		220	30,000		220	21,000		220
Lead	1,000	63	40		5.6	36		5.6	17		5.7	20		5.5	6.9		5.3	ND		5.3	18		5.4	**180**		**5.6**	22		5.5
Magnesium	NA	NA	6,000		560	5,600		560	9,600		570	6,300		550	6,700		530	4,100		530	7,700		540	6,700		560	6,800		550
Manganese	10,000	1,600	390		11	400		11	440		11	500		11	260		11	460		11	380		11	950		11	380		11
Nickel	310	30	25		5.6	24		5.6	**33**		**5.7**	29		5.5	24		5.3	21		5.3	25		5.4	**31**		**5.6**	**31**		**5.5**
Potassium	NA	NA	4,500		560	5,000		560	5,400		570	5,100		550	7,000		530	4,100		530	7,000		540	5,000		560	5,400		550
Selenium	1,500	3.9	ND		2.0	ND		2.0	ND		2.0	ND		2.0	ND		1.9	ND		1.9	ND		2.0	ND		2.0	ND		2.0
Silver	1,500	2	ND		1.7	ND		1.7	ND		1.7	ND		1.6	ND		1.6	ND		1.6	ND		1.6	ND		1.7	ND		1.6
Sodium	NA	NA	ND		280	ND		280	ND		280	ND		270	ND		270	ND		270	ND		270	ND		280	ND		270
Thallium	NA	NA	ND		1.3	ND		1.3	ND		1.4	ND		1.3	ND		1.3	ND		1.3	ND		1.3	ND		1.3	ND		1.3
Vanadium	NA	NA	45		11	38		11	45		11	42		11	51		11	34		11	52		11	43		11	44		11
Zinc	10,000	109	82		11	91		11	85		11	58		11	52		11	30		11	63		11	**140**		**11**	64		11
POLYCHLORINATED BIPHENYLS (PCBs)																													
Aroclor (Total)	1	0.1	~		~	0.061		0.028	ND		0.028	ND		0.027	ND		0.027	ND		0.027	ND		0.027	0.086		0.028	ND		0.027
Aroclor-1016	1	0.1	~		~	ND		0.028	ND		0.028	ND		0.027	ND		0.027	ND		0.027	ND		0.027	ND		0.028	ND		0.027
Aroclor-1221	1	0.1	~		~	ND		0.028	ND		0.028	ND		0.027	ND		0.027	ND		0.027	ND		0.027	ND		0.028	ND		0.027
Aroclor-1232	1	0.1	~		~	ND		0.028	ND		0.028	ND		0.027	ND		0.027	ND		0.027	ND		0.027	ND		0.028	ND		0.027
Aroclor-1242	1	0.1	~		~	ND		0.028	ND		0.028	ND		0.027	ND		0.027	ND		0.027	ND		0.027	ND		0.028	ND		0.027
Aroclor-1248	1	0.1	~		~	ND		0.028	ND		0.028	ND		0.027	ND		0.027	ND		0.027	ND		0.027	ND		0.028	ND		0.027
Aroclor-1254	1	0.1	~		~	ND		0.028	ND		0.028	ND		0.027	ND		0.027	ND		0.027	ND		0.027	0.086		0.028	ND		0.027
Aroclor-1260	1	0.1	~		~	0.061		0.028	ND		0.028	ND		0.027	ND		0.027	ND		0.027	ND		0.027	ND		0.028	ND		0.027
Aroclor-1262	1	0.1	~		~	ND		0.028	ND		0.028	ND		0.027	ND		0.027	ND		0.027	ND		0.027	ND		0.028	ND		0.027
Aroclor-1268	1	0.1	~		~	ND		0.028	ND		0.028	ND		0.027	ND		0.027	ND		0.027	ND		0.027	ND		0.028	ND		0.027
PESTICIDES																													
Aldrin	0.68	0.005	~		~	ND		0.0056	ND		0.0057	ND		0.0055	ND		0.0053	ND		0.0053	ND		0.0054	ND		0.0056	ND		0.0055
Alpha-BHC	3.4	0.02	~		~	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011
beta-BHC	3	0.036	~		~	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011
Chlordane	24	0.91	~		~	ND		0.028	ND		0.028	0.38		0.027	0.041		0.027	ND		0.027	ND		0.027	ND		0.028	ND		0.027
delta-BHC	500	0.04	~		~	ND		0.0056	ND		0.0057	ND		0.0055	ND		0.0053	ND		0.0053	ND		0.0054	ND		0.0056	ND		0.0055
Dieldrin	1.4	0.005	~		~	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011
Endosulfan I	200	2.4	~		~	ND		0.0056	ND		0.0057	ND		0.0055	ND		0.0053	ND		0.0053	ND		0.0054	ND		0.0056	ND		0.0055
Endosulfan II	200	2.4	~		~	ND		0.0056	ND		0.0057	ND		0.0055	ND		0.0053	ND		0.0053	ND		0.0054	ND		0.0056	ND		0.0055
Endosulfan Sulfate	200	2.4	~		~	ND		0.0056	ND		0.0057	ND		0.0055	ND		0.0053	ND		0.0053	ND		0.0054	ND		0.0056	ND		0.0055
Endrin	89	0.014	~		~	ND		0.0056	ND		0.0057	ND		0.0055	ND		0.0053	ND		0.0053	ND		0.0054	ND		0.0056	ND		0.0055
Endrin Aldehyde	NA	NA	~		~	ND		0.0056	ND		0.0057	ND		0.0055	ND		0.0053	ND		0.0053	ND		0.0054	ND		0.0056	ND		0.0055
Endrin Ketone	NA	NA	~		~	ND		0.0056	ND		0.0057	ND		0.0055	ND		0.0053	ND		0.0053	ND		0.0054	ND		0.0056	ND		0.0055
gamma-BHC	NA	0.1	~		~	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011
Heptachlor	15	0.042	~		~	ND		0.0056	ND		0.0057	ND		0.0055	ND		0.0053	ND		0.0053	ND		0.0054	ND		0.0056	ND		0.0055
Heptachlor Epoxide	NA	NA	~		~	ND		0.0056	ND		0.0057	ND		0.0055	ND		0.0053	ND		0.0053	ND		0.0054	ND		0.0056	ND		0.0055
Methoxychlor	NA	NA	~		~	ND		0.0056	ND		0.0057	ND		0.0055	ND		0.0053	ND		0.0053	ND		0.0054	ND		0.0056	ND		0.0055

TABLE 2
SOIL SAMPLING AND ANALYSES DATA SUMMARY
Proposed Self-Storage Facility
1538 Stillwell Avenue and 1540 Bassett Avenue
Bronx, Bronx County, New York

		SAMPLE ID:	B-5			RI-B1-A			RI-B1-B			RI-B2-A			RI-B2-B			RI-B2-C			RI-B3-A			RI-B3-B			RI-B3-A (DUP)		
		LAB ID:	AC64634-001			AC66869-001			AC66869-002			AC66869-003			AC66869-004			AC66869-007			AC66869-005			AC66869-006			AC66869-008		
		COLLECTION DATE:	3/8/2012			6/28/2012			6/28/2012			6/28/2012			6/28/2012			6/28/2012			6/28/2012			6/28/2012			6/28/2012		
		SAMPLE DEPTH:	1.0 to 1.5			1.0 to 1.5			4.5 to 5.0			1.0 to 1.5			4.5 to 5.0			8.5 to 9.0			1.5 to 2.0			7.0 to 7.5			1.5 to 2.0		
		SAMPLE MATRIX:	SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL		
ANALYTE	**CSCO**	**UUSCO**	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL
p,p'-DDD	92	0.0033	~		~	ND		0.0028	ND		0.0028	ND		0.0027	ND		0.0027	ND		0.0027	ND		0.0027	**0.0041**		**0.0028**	**0.0050**		**0.0027**
p,p'-DDE	62	0.0033	~		~	ND		0.0028	ND		0.0028	ND		0.0027	ND		0.0027	ND		0.0027	ND		0.0027	ND		0.0028	ND		0.0027
p,p'-DDT	47	0.0033	~		~	ND		0.0028	ND		0.0028	ND		0.0027	ND		0.0027	ND		0.0027	ND		0.0027	ND		0.0028	ND		0.0027
Toxaphene	NA	NA	~		~	ND		0.028	ND		0.028	ND		0.027	ND		0.027	ND		0.027	ND		0.027	ND		0.028	ND		0.027
OTHER PARAMETERS																													
Percent Solids	NA	NA	89			90			88			91			94			94			92			90			91		

Notes:
Shaded and bold value indicates an exceedence of the NYSDEC UUSCO
Red shaded and bold value indicates an exceedence of the NYSDEC CSCO
All results reported in parts per million (ppm or mg/kg)
Sample depths reported in feet below ground surface (fbgs)
UUSCO - NYSDEC Remedial Program Part 375 Unrestricted Use Soil Cleanup Objectives. Where applicable, the UUSCO is based on the NYSDEC CP-51 Soil Cleanup Objective.
CSCO - NYSDEC Remedial Program Part 375 Restricted Use Commercial Soil Cleanup Objectives
Flg - Data Qualifier
RL - Laboratory Reporting Limit
ND - Not Detected exceeding RL
NA - No Applicable NYSDEC SCO
J - Detected at an estimated concentration
~ - Not analyzed for this compound
D - Reported from lower column

TABLE 2
SOIL SAMPLING AND ANALYSES DATA SUMMARY
Proposed Self-Storage Facility
1538 Stillwell Avenue and 1540 Bassett Avenue
Bronx, Bronx County, New York

		SAMPLE ID:	MW-1 A			MW-1 B			MW-2 A			MW-2 B			MW-3 A			MW-3 B			MW-4 A			MW-4 B			MW-4A (DUP)		
		LAB ID:	AC67152-001			AC67152-005			AC67152-002			AC67152-006			AC67152-003			AC67152-007			AC67152-004			AC67152-008			AC67152-009		
		COLLECTION DATE:	7/16/2012			7/16/2012			7/16/2012			7/16/2012			7/17/2012			7/17/2012			7/17/2012			7/17/2012			7/17/2012		
		SAMPLE DEPTH:	1.0 to 1.5			7.0 to 7.5			1.0 to 1.5			7.0 to 7.5			1.5 to 2.0			4.5 to 5.0			1.5 to 2.0			4.5 to 5.0			1.5 to 2.0		
		SAMPLE MATRIX:	SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL		
ANALYTE	**CSCO**	**UUSCO**	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL
VOLATILE ORGANICS (VOs)																													
1,1,1,2-Tetrachloroethane	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
1,1,1-Trichloroethane	500	0.68	ND		0.0021	ND		0.0025	ND		0.0021	ND		0.0021	ND		0.0022	ND		0.0021	ND		0.0022	ND		0.0022	ND		0.0022
1,1,2,2-Tetrachloroethane	NA	NA	ND		0.0021	ND		0.0025	ND		0.0021	ND		0.0021	ND		0.0022	ND		0.0021	ND		0.0022	ND		0.0022	ND		0.0022
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	ND		0.0021	ND		0.0025	ND		0.0021	ND		0.0021	ND		0.0022	ND		0.0021	ND		0.0022	ND		0.0022	ND		0.0022
1,1,2-Trichloroethane	NA	NA	ND		0.0021	ND		0.0025	ND		0.0021	ND		0.0021	ND		0.0022	ND		0.0021	ND		0.0022	ND		0.0022	ND		0.0022
1,1-Dichloroethane	240	0.27	ND		0.0021	ND		0.0025	ND		0.0021	ND		0.0021	ND		0.0022	ND		0.0021	ND		0.0022	ND		0.0022	ND		0.0022
1,1-Dichloroethene	500	0.33	ND		0.0021	ND		0.0025	ND		0.0021	ND		0.0021	ND		0.0022	ND		0.0021	ND		0.0022	ND		0.0022	ND		0.0022
1,1-Dichloropropene	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
1,2,3-Trichlorobenzene	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
1,2,3-Trichloropropane	NA	NA	ND		0.0021	ND		0.0025	ND		0.0021	ND		0.0021	ND		0.0022	ND		0.0021	ND		0.0022	ND		0.0022	ND		0.0022
1,2,4,5-Tetramethylbenzene	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
1,2,4-Trichlorobenzene	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
1,2,4-Trimethylbenzene	190	3.6	ND		0.0011	ND		0.0012	0.064		0.0011	ND		0.0010	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011
1,2-Dibromo-3-chloropropane	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
1,2-Dibromoethane	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
1,2-Dichlorobenzene	500	1.1	ND		0.0021	ND		0.0025	ND		0.0021	ND		0.0021	ND		0.0022	ND		0.0021	ND		0.0022	ND		0.0022	ND		0.0022
1,2-Dichloroethane	30	0.02	ND		0.0021	ND		0.0025	ND		0.0021	ND		0.0021	ND		0.0022	ND		0.0021	ND		0.0022	ND		0.0022	ND		0.0022
1,2-Dichloropropane	NA	NA	ND		0.0021	ND		0.0025	ND		0.0021	ND		0.0021	ND		0.0022	ND		0.0021	ND		0.0022	ND		0.0022	ND		0.0022
1,3,5-Trimethylbenzene	190	8.4	ND		0.0011	ND		0.0012	0.036		0.0011	ND		0.0010	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011
1,3-Dichlorobenzene	280	2.4	ND		0.0021	ND		0.0025	ND		0.0021	ND		0.0021	ND		0.0022	ND		0.0021	ND		0.0022	ND		0.0022	ND		0.0022
1,3-Dichloropropane	NA	NA	ND		0.0021	ND		0.0025	ND		0.0021	ND		0.0021	ND		0.0022	ND		0.0021	ND		0.0022	ND		0.0022	ND		0.0022
1,4-Dichlorobenzene	130	1.8	ND		0.0021	ND		0.0025	ND		0.0021	ND		0.0021	ND		0.0022	ND		0.0021	ND		0.0022	ND		0.0022	ND		0.0022
1,4-Diethylbenzene	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
1,4-Dioxane	130	0.1	ND		0.11	ND		0.12	ND		0.11	ND		0.10	ND		0.11	ND		0.11	ND		0.11	ND		0.11	ND		0.11
2,2-Dichloropropane	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
2-Butanone	500	0.12	ND		0.0021	ND		0.0025	ND		0.0021	ND		0.0021	ND		0.0022	ND		0.0021	ND		0.0022	ND		0.0022	ND		0.0022
2-Chloroethylvinylether	NA	NA	ND		0.0021	ND		0.0025	ND		0.0021	ND		0.0021	ND		0.0022	ND		0.0021	ND		0.0022	ND		0.0022	ND		0.0022
2-Hexanone	NA	NA	ND		0.0021	ND		0.0025	ND		0.0021	ND		0.0021	ND		0.0022	ND		0.0021	ND		0.0022	ND		0.0022	ND		0.0022
4-Ethyltoluene	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
4-Isopropyltoluene	NA	10	ND		0.0011	ND		0.0012	0.027		0.0011	ND		0.0010	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011
4-Methyl-2-pentanone	NA	1.0	ND		0.0021	ND		0.0025	ND		0.0021	ND		0.0021	ND		0.0022	ND		0.0021	ND		0.0022	ND		0.0022	ND		0.0022
Acetone	500	0.05	ND		0.011	ND		0.012	ND		0.011	ND		0.010	ND		0.011	ND		0.011	ND		0.011	ND		0.011	ND		0.011
Acrolein	NA	NA	ND		0.011	ND		0.012	ND		0.011	ND		0.010	ND		0.011	ND		0.011	ND		0.011	ND		0.011	ND		0.011
Acrylonitrile	NA	NA	ND		0.0053	ND		0.0062	ND		0.0053	ND		0.0051	ND		0.0055	ND		0.0053	ND		0.0055	ND		0.0054	ND		0.0054
Benzene	44	0.06	ND		0.0011	ND		0.0012	ND		0.0011	ND		0.0010	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011
Bromobenzene	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Bromochloromethane	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Bromodichloromethane	NA	NA	ND		0.0021	ND		0.0025	ND		0.0021	ND		0.0021	ND		0.0022	ND		0.0021	ND		0.0022	ND		0.0022	ND		0.0022
Bromoform	NA	NA	ND		0.0021	ND		0.0025	ND		0.0021	ND		0.0021	ND		0.0022	ND		0.0021	ND		0.0022	ND		0.0022	ND		0.0022
Bromomethane	NA	NA	ND		0.0021	ND		0.0025	ND		0.0021	ND		0.0021	ND		0.0022	ND		0.0021	ND		0.0022	ND		0.0022	ND		0.0022
Carbon disulfide	NA	2.7	ND		0.0021	ND		0.0025	ND		0.0021	ND		0.0021	ND		0.0022	ND		0.0021	ND		0.0022	ND		0.0022	ND		0.0022
Carbon tetrachloride	22	0.76	ND		0.0021	ND		0.0025	ND		0.0021	ND		0.0021	ND		0.0022	ND		0.0021	ND		0.0022	ND		0.0022	ND		0.0022
Chlorobenzene	500	1.1	ND		0.0021	ND		0.0025	ND		0.0021	ND		0.0021	ND		0.0022	ND		0.0021	ND		0.0022	ND		0.0022	ND		0.0022
Chloroethane	NA	NA	ND		0.0021	ND		0.0025	ND		0.0021	ND		0.0021	ND		0.0022	ND		0.0021	ND		0.0022	ND		0.0022	ND		0.0022
Chloroform	350	0.37	ND		0.0021	ND		0.0025	ND		0.0021	ND		0.0021	ND		0.0022	ND		0.0021	ND		0.0022	ND		0.0022	ND		0.0022
Chloromethane	NA	NA	ND		0.0021	ND		0.0025	ND		0.0021	ND		0.0021	ND		0.0022	ND		0.0021	ND		0.0022	ND		0.0022	ND		0.0022
cis-1,2-Dichloroethene	500	0.25	ND		0.0021	ND		0.0025	0.0037		0.0021	ND		0.0021	ND		0.0022	ND		0.0021	ND		0.0022	ND		0.0022	ND		0.0022
cis-1,3-Dichloropropene	NA	NA	ND		0.0021	ND		0.0025	ND		0.0021	ND		0.0021	ND		0.0022	ND		0.0021	ND		0.0022	ND		0.0022	ND		0.0022
Dibromochloromethane	NA	NA	ND		0.0021	ND		0.0025	ND		0.0021	ND		0.0021	ND		0.0022	ND		0.0021	ND		0.0022	ND		0.0022	ND		0.0022

TABLE 2
SOIL SAMPLING AND ANALYSES DATA SUMMARY
Proposed Self-Storage Facility
1538 Stillwell Avenue and 1540 Bassett Avenue
Bronx, Bronx County, New York

		SAMPLE ID:	MW-1 A			MW-1 B			MW-2 A			MW-2 B			MW-3 A			MW-3 B			MW-4 A			MW-4 B			MW-4A (DUP)		
		LAB ID:	AC67152-001			AC67152-005			AC67152-002			AC67152-006			AC67152-003			AC67152-007			AC67152-004			AC67152-008			AC67152-009		
		COLLECTION DATE:	7/16/2012			7/16/2012			7/16/2012			7/16/2012			7/17/2012			7/17/2012			7/17/2012			7/17/2012			7/17/2012		
		SAMPLE DEPTH:	1.0 to 1.5			7.0 to 7.5			1.0 to 1.5			7.0 to 7.5			1.5 to 2.0			4.5 to 5.0			1.5 to 2.0			4.5 to 5.0			1.5 to 2.0		
		SAMPLE MATRIX:	SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL		
ANALYTE	**CSCO**	**UUSCO**	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL
Dibromomethane	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Dichlorodifluoromethane	NA	NA	ND		0.0021	ND		0.0025	ND		0.0021	ND		0.0021	ND		0.0022	ND		0.0021	ND		0.0022	ND		0.0022	ND		0.0022
Ethyl ether	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Ethylbenzene	390	1	ND		0.0011	ND		0.0012	0.016		0.0011	ND		0.0010	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011
Hexachlorobutadiene	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Isopropylbenzene	NA	2.3	ND		0.0011	ND		0.0012	ND		0.0011	ND		0.0010	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011
m&p-Xylenes	NA	0.26	ND		0.0011	ND		0.0012	0.098		0.0011	ND		0.0010	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011
Methylene chloride	500	0.05	0.0024		0.0021	ND		0.0025	0.0023		0.0021	ND		0.0021	0.0026		0.0022	ND		0.0021	ND		0.0022	ND		0.0022	ND		0.0022
Methyl-t-butyl ether	500	0.93	ND		0.0011	ND		0.0012	ND		0.0011	ND		0.0010	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011
n-Butylbenzene	500	12	ND		0.0011	ND		0.0012	ND		0.0011	ND		0.0010	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011
n-Propylbenzene	500	3.9	ND		0.0011	ND		0.0012	0.0040		0.0011	ND		0.0010	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011
Naphthalene	500	12	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
o-Chlorotoluene	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
o-Xylene	500	0.26	ND		0.0011	ND		0.0012	0.082		0.0011	ND		0.0010	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011
p-Chlorotoluene	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
p-Isopropyltoluene	NA	10	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
p/m-Xylene	500	0.26	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
sec-Butylbenzene	500	11	ND		0.0011	ND		0.0012	ND		0.0011	ND		0.0010	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011
Styrene	NA	300	ND		0.0021	ND		0.0025	ND		0.0021	ND		0.0021	ND		0.0022	ND		0.0021	ND		0.0022	ND		0.0022	ND		0.0022
t-Butyl Alcohol	NA	NA	ND		0.011	0.032		0.012	0.033		0.011	0.013		0.010	ND		0.011	0.015		0.011	ND		0.011	0.015		0.011	0.015		0.011
t-Butylbenzene	NA	5.9	ND		0.0011	ND		0.0012	ND		0.0011	ND		0.0010	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011
tert-Butylbenzene	500	5.9	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Tetrachloroethene	150	1.3	ND		0.0021	ND		0.0025	0.0044		0.0021	0.0043		0.0021	ND		0.0022	ND		0.0021	ND		0.0022	ND		0.0022	ND		0.0022
Toluene	500	0.7	ND		0.0011	ND		0.0012	0.0011		0.0011	ND		0.0010	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011
Trans-1,2-dichloroethene	500	0.19	ND		0.0021	ND		0.0025	ND		0.0021	ND		0.0021	ND		0.0022	ND		0.0021	ND		0.0022	ND		0.0022	ND		0.0022
Trans-1,3-dichloropropene	NA	NA	ND		0.0021	ND		0.0025	ND		0.0021	ND		0.0021	ND		0.0022	ND		0.0021	ND		0.0022	ND		0.0022	ND		0.0022
trans-1,4-Dichloro-2-butene	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Trichloroethene	200	0.47	ND		0.0021	0.0034		0.0025	0.0027		0.0021	0.0090		0.0021	ND		0.0022	ND		0.0021	ND		0.0022	ND		0.0022	ND		0.0022
Trichlorofluoromethane	NA	NA	ND		0.0021	ND		0.0025	ND		0.0021	ND		0.0021	ND		0.0022	ND		0.0021	ND		0.0022	ND		0.0022	ND		0.0022
Vinyl acetate	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Vinyl chloride	13	0.02	ND		0.0021	ND		0.0025	ND		0.0021	ND		0.0021	ND		0.0022	ND		0.0021	ND		0.0022	ND		0.0022	ND		0.0022
Xylenes (Total)	500	0.26	ND		0.0011	ND		0.0012	0.18		0.0011	ND		0.0010	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011
SEMI-VOLATILE ORGANICS (SVOs)																													
1,2-Diphenylhydrazine	NA	NA	ND		0.036	ND		0.042	ND		0.22	ND		0.035	ND		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
2,4,5-Trichlorophenol	NA	NA	ND		0.036	ND		0.042	ND		0.22	ND		0.035	ND		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
2,4,6-Trichlorophenol	NA	NA	ND		0.036	ND		0.042	ND		0.22	ND		0.035	ND		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
2,4-Dichlorophenol	NA	NA	ND		0.0090	ND		0.011	ND		0.054	ND		0.0087	ND		0.0093	ND		0.0091	ND		0.0094	ND		0.0092	ND		0.0092
2,4-Dimethylphenol	NA	NA	ND		0.036	ND		0.042	ND		0.22	ND		0.035	ND		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
2,4-Dinitrophenol	NA	NA	ND		0.18	ND		0.21	ND		1.1	ND		0.17	ND		0.19	ND		0.18	ND		0.19	ND		0.18	ND		0.18
2,4-Dinitrotoluene	NA	NA	ND		0.036	ND		0.042	ND		0.22	ND		0.035	ND		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
2,6-Dinitrotoluene	NA	NA	ND		0.036	ND		0.042	ND		0.22	ND		0.035	ND		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
2-Chloronaphthalene	NA	NA	ND		0.036	ND		0.042	ND		0.22	ND		0.035	ND		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
2-Chlorophenol	NA	NA	ND		0.036	ND		0.042	ND		0.22	ND		0.035	ND		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
2-Methylnaphthalene	NA	0.41	ND		0.036	ND		0.042	ND		0.22	ND		0.035	ND		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
2-Methylphenol	NA	0.33	ND		0.0090	ND		0.011	ND		0.054	ND		0.0087	ND		0.0093	ND		0.0091	ND		0.0094	ND		0.0092	ND		0.0092
2-Nitroaniline	NA	NA	ND		0.036	ND		0.042	ND		0.22	ND		0.035	ND		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
2-Nitrophenol	NA	NA	ND		0.036	ND		0.042	ND		0.22	ND		0.035	ND		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
3&4-Methylphenol	NA	0.33	ND		0.0090	0.085		0.011	ND		0.054	ND		0.0087	ND		0.0093	ND		0.0091	ND		0.0094	ND		0.0092	ND		0.0092
3,3'-Dichlorobenzidine	NA	NA	ND		0.036	ND		0.042	ND		0.22	ND		0.035	ND		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
3-Nitroaniline	NA	NA	ND		0.036	ND		0.042	ND		0.22	ND		0.035	ND		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037

TABLE 2
SOIL SAMPLING AND ANALYSES DATA SUMMARY
Proposed Self-Storage Facility
1538 Stillwell Avenue and 1540 Bassett Avenue
Bronx, Bronx County, New York

		SAMPLE ID:	MW-1 A			MW-1 B			MW-2 A			MW-2 B			MW-3 A			MW-3 B			MW-4 A			MW-4 B			MW-4A (DUP)		
		LAB ID:	AC67152-001			AC67152-005			AC67152-002			AC67152-006			AC67152-003			AC67152-007			AC67152-004			AC67152-008			AC67152-009		
		COLLECTION DATE:	7/16/2012			7/16/2012			7/16/2012			7/16/2012			7/17/2012			7/17/2012			7/17/2012			7/17/2012			7/17/2012		
		SAMPLE DEPTH:	1.0 to 1.5			7.0 to 7.5			1.0 to 1.5			7.0 to 7.5			1.5 to 2.0			4.5 to 5.0			1.5 to 2.0			4.5 to 5.0			1.5 to 2.0		
		SAMPLE MATRIX:	SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL		
ANALYTE	**CSCO**	**UUSCO**	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL
4,6-Dinitro-2-methylphenol	NA	NA	ND		0.18	ND		0.21	ND		1.1	ND		0.17	ND		0.19	ND		0.18	ND		0.19	ND		0.18	ND		0.18
4-Bromophenyl-phenylether	NA	NA	ND		0.036	ND		0.042	ND		0.22	ND		0.035	ND		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
4-Chloro-3-methylphenol	NA	NA	ND		0.036	ND		0.042	ND		0.22	ND		0.035	ND		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
4-Chloroaniline	NA	NA	ND		0.017	ND		0.020	ND		0.10	ND		0.016	ND		0.018	ND		0.017	ND		0.018	ND		0.017	ND		0.017
4-Chlorophenyl-phenylether	NA	NA	ND		0.036	ND		0.042	ND		0.22	ND		0.035	ND		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
4-Nitroaniline	NA	NA	ND		0.036	ND		0.042	ND		0.22	ND		0.035	ND		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
4-Nitrophenol	NA	NA	ND		0.036	ND		0.042	ND		0.22	ND		0.035	ND		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
Acenaphthene	500	20	ND		0.036	ND		0.042	ND		0.22	ND		0.035	ND		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
Acenaphthylene	500	100	ND		0.036	0.063		0.042	ND		0.22	ND		0.035	ND		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
Aniline	NA	NA	ND		0.015	ND		0.017	ND		0.089	ND		0.014	ND		0.015	ND		0.015	ND		0.015	ND		0.015	ND		0.015
Anthracene	500	100	ND		0.036	0.073		0.042	0.32		0.22	ND		0.035	ND		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
Benzidine	NA	NA	ND		0.036	ND		0.042	ND		0.22	ND		0.035	ND		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
Benzo[a]anthracene	5.6	1	0.088		0.036	0.33		0.042	0.95		0.22	0.066		0.035	ND		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
Benzo[a]pyrene	1	1	0.074		0.036	0.29		0.042	0.87		0.22	0.066		0.035	ND		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
Benzo[b]fluoranthene	5.6	1	0.10		0.036	0.42		0.042	**1.2**		**0.22**	0.099		0.035	0.043		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
Benzo[g,h,i]perylene	500	100	0.065		0.036	0.21		0.042	0.75		0.22	0.065		0.035	ND		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
Benzo[k]fluoranthene	56	0.8	0.044		0.036	0.15		0.042	0.40		0.22	ND		0.035	ND		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
Benzoic acid	NA	NA	ND		0.18	ND		0.21	ND		1.1	ND		0.17	ND		0.19	ND		0.18	ND		0.19	ND		0.18	ND		0.18
bis(2-Chloroethoxy)methane	NA	NA	ND		0.036	ND		0.042	ND		0.22	ND		0.035	ND		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
bis(2-Chloroethyl)ether	NA	NA	ND		0.0090	ND		0.011	ND		0.054	ND		0.0087	ND		0.0093	ND		0.0091	ND		0.0094	ND		0.0092	ND		0.0092
bis(2-Chloroisopropyl)ether	NA	NA	ND		0.036	ND		0.042	ND		0.22	ND		0.035	ND		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
bis(2-Ethylhexyl)phthalate	NA	50	ND		0.036	0.053		0.042	0.36		0.22	0.045		0.035	ND		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
Butylbenzylphthalate	NA	NA	ND		0.036	ND		0.042	ND		0.22	ND		0.035	ND		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
Carbazole	NA	NA	ND		0.036	ND		0.042	ND		0.22	ND		0.035	ND		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
Chrysene	56	1	0.091		0.036	0.36		0.042	1.0		0.22	0.085		0.035	ND		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
Dibenzo[a,h]anthracene	0.56	0.33	ND		0.036	0.065		0.042	0.23		0.22	ND		0.035	ND		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
Dibenzofuran	NA	7	ND		0.0090	ND		0.011	ND		0.054	ND		0.0087	ND		0.0093	ND		0.0091	ND		0.0094	ND		0.0092	ND		0.0092
Diethylphthalate	NA	NA	ND		0.036	ND		0.042	ND		0.22	ND		0.035	ND		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
Dimethylphthalate	NA	NA	ND		0.036	ND		0.042	ND		0.22	ND		0.035	ND		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
Di-n-butylphthalate	NA	0.014	ND		0.018	**0.035**		**0.021**	ND		0.11	ND		0.017	ND		0.019	ND		0.018	ND		0.019	ND		0.018	ND		0.018
Di-n-octylphthalate	NA	NA	ND		0.036	ND		0.042	ND		0.22	ND		0.035	ND		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
Fluoranthene	500	100	0.13		0.036	0.49		0.042	1.6		0.22	0.099		0.035	0.043		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
Fluorene	500	30	ND		0.036	ND		0.042	ND		0.22	ND		0.035	ND		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
Hexachlorobenzene	NA	0.33	ND		0.036	ND		0.042	ND		0.22	ND		0.035	ND		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
Hexachlorobutadiene	NA	NA	ND		0.036	ND		0.042	ND		0.22	ND		0.035	ND		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
Hexachlorocyclopentadiene	NA	NA	ND		0.036	ND		0.042	ND		0.22	ND		0.035	ND		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
Hexachloroethane	NA	NA	ND		0.036	ND		0.042	ND		0.22	ND		0.035	ND		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
Indeno[1,2,3-cd]pyrene	5.6	0.5	0.051		0.036	0.20		0.042	**0.63**		**0.22**	0.053		0.035	ND		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
Isophorone	NA	NA	ND		0.036	ND		0.042	ND		0.22	ND		0.035	ND		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
Naphthalene	500	12	ND		0.0090	0.030		0.011	ND		0.054	ND		0.0087	ND		0.0093	ND		0.0091	ND		0.0094	ND		0.0092	ND		0.0092
Nitrobenzene	NA	NA	ND		0.036	ND		0.042	ND		0.22	ND		0.035	ND		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
N-Nitrosodimethylamine	NA	NA	ND		0.036	ND		0.042	ND		0.22	ND		0.035	ND		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
N-Nitroso-di-n-propylamine	NA	NA	ND		0.0090	ND		0.011	ND		0.054	ND		0.0087	ND		0.0093	ND		0.0091	ND		0.0094	ND		0.0092	ND		0.0092
N-Nitrosodiphenylamine	NA	NA	ND		0.036	ND		0.042	ND		0.22	ND		0.035	ND		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
Pentachlorophenol	6.7	0.8	ND		0.060	ND		0.071	ND		0.37	ND		0.058	ND		0.19	ND		0.18	ND		0.19	ND		0.18	ND		0.18
Phenanthrene	500	100	0.067		0.036	0.23		0.042	1.2		0.22	0.053		0.035	ND		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
Phenol	500	0.33	ND		0.036	ND		0.042	ND		0.22	ND		0.035	ND		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
Pyrene	500	100	0.14		0.036	0.55		0.042	1.7		0.22	0.12		0.035	0.048		0.037	ND		0.036	ND		0.037	ND		0.037	ND		0.037
METALS																													
Mercury	2.8	0.18	**1.0**		**0.090**	**1.7**		**0.11**	ND		0.091	ND		0.087	ND		0.093	ND		0.091	ND		0.094	ND		0.092	ND		0.092

TABLE 2
SOIL SAMPLING AND ANALYSES DATA SUMMARY
Proposed Self-Storage Facility
1538 Stillwell Avenue and 1540 Bassett Avenue
Bronx, Bronx County, New York

		SAMPLE ID:	MW-1 A			MW-1 B			MW-2 A			MW-2 B			MW-3 A			MW-3 B			MW-4 A			MW-4 B			MW-4A (DUP)		
		LAB ID:	AC67152-001			AC67152-005			AC67152-002			AC67152-006			AC67152-003			AC67152-007			AC67152-004			AC67152-008			AC67152-009		
		COLLECTION DATE:	7/16/2012			7/16/2012			7/16/2012			7/16/2012			7/17/2012			7/17/2012			7/17/2012			7/17/2012			7/17/2012		
		SAMPLE DEPTH:	1.0 to 1.5			7.0 to 7.5			1.0 to 1.5			7.0 to 7.5			1.5 to 2.0			4.5 to 5.0			1.5 to 2.0			4.5 to 5.0			1.5 to 2.0		
		SAMPLE MATRIX:	SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL		
ANALYTE	**CSCO**	**UUSCO**	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL
Aluminum	NA	NA	15,000		220	14,000		250	13,000		220	16,000		210	15,000		220	13,000		220	19,000		220	19,000		220	18,000		220
Antimony	NA	NA	2.4		2.2	ND		2.5	ND		2.2	2.6		2.1	ND		2.2	ND		2.2	ND		2.2	ND		2.2	ND		2.2
Arsenic	16	13	ND		2.2	5.8		2.5	ND		2.2	ND		2.1	ND		2.2	ND		2.2	ND		2.2	ND		2.2	ND		2.2
Barium	400	350	230		11	350		13	180		11	310		10	110		11	130		11	320		11	240		11	280		11
Beryllium	590	7.2	ND		0.65	ND		0.76	ND		0.65	ND		0.62	ND		0.67	ND		0.65	ND		0.67	ND		0.66	ND		0.66
Cadmium	9.3	2.5	ND		0.65	0.82		0.76	ND		0.65	ND		0.62	ND		0.67	ND		0.65	ND		0.67	ND		0.66	ND		0.66
Calcium	NA	NA	2,000		1,100	3,500		1,300	3,300		1,100	1,700		1,000	2,500		1,100	2,000		1,100	2,100		1,100	1,800		1,100	2,000		1,100
Chromium	1,500	30	**42**		**5.4**	**48**		**6.3**	**35**		**5.4**	**43**		**5.2**	**43**		**5.6**	**48**		**5.4**	**46**		**5.6**	**49**		**5.5**	**48**		**5.5**
Cobalt	NA	NA	13		2.7	11		3.2	11		2.7	12		2.6	10		2.8	11		2.7	17		2.8	16		2.7	15		2.7
Copper	270	50	36		5.4	**80**		**6.3**	**73**		**5.4**	**69**		**5.2**	30		5.6	30		5.4	27		5.6	28		5.5	29		5.5
Iron	NA	NA	26,000		220	30,000		250	23,000		220	31,000		210	23,000		220	22,000		220	33,000		220	35,000		220	32,000		220
Lead	1,000	63	38		5.4	**360**		**6.3**	**64**		**5.4**	17		5.2	42		5.6	16		5.4	6.3		5.6	8.2		5.5	7.6		5.5
Magnesium	NA	NA	7,500		540	5,600		630	6,500		540	7,700		520	4,700		560	4,600		540	9,300		560	9,100		550	8,700		550
Manganese	10,000	1,600	290		11	270		13	290		11	350		10	390		11	520		11	430		11	490		11	460		11
Nickel	310	30	28		5.4	26		6.3	25		5.4	27		5.2	23		5.6	26		5.4	**33**		**5.6**	**34**		**5.5**	**32**		**5.5**
Potassium	NA	NA	9,500		540	4,900		630	6,900		540	11,000		520	3,100		560	3,900		540	12,000		560	9,600		550	11,000		550
Selenium	1,500	3.9	ND		1.9	ND		2.3	ND		2.0	ND		1.9	ND		2.0	ND		2.0	ND		2.0	ND		2.0	ND		2.0
Silver	1,500	2	ND		1.6	ND		1.9	ND		1.6	ND		1.6	ND		1.7	ND		1.6	ND		1.7	ND		1.6	ND		1.6
Sodium	NA	NA	310		270	340		320	ND		270	ND		260	ND		280	ND		270	ND		280	280		270	ND		270
Thallium	NA	NA	ND		1.3	ND		1.5	ND		1.3	ND		1.2	ND		1.3	ND		1.3	ND		1.3	ND		1.3	ND		1.3
Vanadium	NA	NA	48		11	50		13	40		11	49		10	37		11	36		11	57		11	53		11	54		11
Zinc	10,000	109	99		11	**320**		**13**	**110**		**11**	91		10	60		11	67		11	80		11	85		11	75		11
POLYCHLORINATED BIPHENYLS (PCBs)																													
Aroclor (Total)	1	0.1	ND		0.027	ND		0.032	ND		0.027	ND		0.026	ND		0.028	ND		0.027	ND		0.028	ND		0.027	ND		0.027
Aroclor-1016	1	0.1	ND		0.027	ND		0.032	ND		0.027	ND		0.026	ND		0.028	ND		0.027	ND		0.028	ND		0.027	ND		0.027
Aroclor-1221	1	0.1	ND		0.027	ND		0.032	ND		0.027	ND		0.026	ND		0.028	ND		0.027	ND		0.028	ND		0.027	ND		0.027
Aroclor-1232	1	0.1	ND		0.027	ND		0.032	ND		0.027	ND		0.026	ND		0.028	ND		0.027	ND		0.028	ND		0.027	ND		0.027
Aroclor-1242	1	0.1	ND		0.027	ND		0.032	ND		0.027	ND		0.026	ND		0.028	ND		0.027	ND		0.028	ND		0.027	ND		0.027
Aroclor-1248	1	0.1	ND		0.027	ND		0.032	ND		0.027	ND		0.026	ND		0.028	ND		0.027	ND		0.028	ND		0.027	ND		0.027
Aroclor-1254	1	0.1	ND		0.027	ND		0.032	ND		0.027	ND		0.026	ND		0.028	ND		0.027	ND		0.028	ND		0.027	ND		0.027
Aroclor-1260	1	0.1	ND		0.027	ND		0.032	ND		0.027	ND		0.026	ND		0.028	ND		0.027	ND		0.028	ND		0.027	ND		0.027
Aroclor-1262	1	0.1	ND		0.027	ND		0.032	ND		0.027	ND		0.026	ND		0.028	ND		0.027	ND		0.028	ND		0.027	ND		0.027
Aroclor-1268	1	0.1	ND		0.027	ND		0.032	ND		0.027	ND		0.026	ND		0.028	ND		0.027	ND		0.028	ND		0.027	ND		0.027
PESTICIDES																													
Aldrin	0.68	0.005	ND		0.0054	ND		0.0063	ND		0.0054	ND		0.0052	ND		0.0056	ND		0.0054	ND		0.0056	ND		0.0055	ND		0.0055
Alpha-BHC	3.4	0.02	ND		0.0011	ND		0.0013	ND		0.0011	ND		0.0010	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011
beta-BHC	3	0.036	ND		0.0011	ND		0.0013	ND		0.0011	ND		0.0010	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011
Chlordane	24	0.91	ND		0.027	ND		0.032	ND		0.027	ND		0.026	0.29		0.028	0.053		0.027	ND		0.028	ND		0.027	ND		0.027
delta-BHC	500	0.04	ND		0.0054	ND		0.0063	ND		0.0054	ND		0.0052	ND		0.0056	ND		0.0054	ND		0.0056	ND		0.0055	ND		0.0055
Dieldrin	1.4	0.005	ND		0.0011	ND		0.0013	ND		0.0011	ND		0.0010	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011
Endosulfan I	200	2.4	ND		0.0054	ND		0.0063	ND		0.0054	ND		0.0052	ND		0.0056	ND		0.0054	ND		0.0056	ND		0.0055	ND		0.0055
Endosulfan II	200	2.4	ND		0.0054	ND		0.0063	ND		0.0054	ND		0.0052	ND		0.0056	ND		0.0054	ND		0.0056	ND		0.0055	ND		0.0055
Endosulfan Sulfate	200	2.4	ND		0.0054	ND		0.0063	ND		0.0054	ND		0.0052	ND		0.0056	ND		0.0054	ND		0.0056	ND		0.0055	ND		0.0055
Endrin	89	0.014	ND		0.0054	ND		0.0063	ND		0.0054	ND		0.0052	ND		0.0056	ND		0.0054	ND		0.0056	ND		0.0055	ND		0.0055
Endrin Aldehyde	NA	NA	ND		0.0054	ND		0.0063	ND		0.0054	ND		0.0052	ND		0.0056	ND		0.0054	ND		0.0056	ND		0.0055	ND		0.0055
Endrin Ketone	NA	NA	ND		0.0054	ND		0.0063	ND		0.0054	ND		0.0052	ND		0.0056	ND		0.0054	ND		0.0056	ND		0.0055	ND		0.0055
gamma-BHC	NA	0.1	ND		0.0011	ND		0.0013	ND		0.0011	ND		0.0010	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0011
Heptachlor	15	0.042	ND		0.0054	ND		0.0063	ND		0.0054	ND		0.0052	ND		0.0056	ND		0.0054	ND		0.0056	ND		0.0055	ND		0.0055
Heptachlor Epoxide	NA	NA	ND		0.0054	ND		0.0063	ND		0.0054	ND		0.0052	ND		0.0056	ND		0.0054	ND		0.0056	ND		0.0055	ND		0.0055
Methoxychlor	NA	NA	ND		0.0054	ND		0.0063	ND		0.0054	ND		0.0052	ND		0.0056	ND		0.0054	ND		0.0056	ND		0.0055	ND		0.0055

TABLE 2
SOIL SAMPLING AND ANALYSES DATA SUMMARY
Proposed Self-Storage Facility
1538 Stillwell Avenue and 1540 Bassett Avenue
Bronx, Bronx County, New York

		SAMPLE ID:	MW-1 A			MW-1 B			MW-2 A			MW-2 B			MW-3 A			MW-3 B			MW-4 A			MW-4 B			MW-4A (DUP)		
		LAB ID:	AC67152-001			AC67152-005			AC67152-002			AC67152-006			AC67152-003			AC67152-007			AC67152-004			AC67152-008			AC67152-009		
		COLLECTION DATE:	7/16/2012			7/16/2012			7/16/2012			7/16/2012			7/17/2012			7/17/2012			7/17/2012			7/17/2012			7/17/2012		
		SAMPLE DEPTH:	1.0 to 1.5			7.0 to 7.5			1.0 to 1.5			7.0 to 7.5			1.5 to 2.0			4.5 to 5.0			1.5 to 2.0			4.5 to 5.0			1.5 to 2.0		
		SAMPLE MATRIX:	SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL		
ANALYTE	**CSCO**	**UUSCO**	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL
p,p'-DDD	92	0.0033	ND		0.0027	ND		0.0032	**0.0036**	**D**	**0.0027**	ND		0.0026	ND		0.0028	ND		0.0027	ND		0.0028	ND		0.0027	ND		0.0027
p,p'-DDE	62	0.0033	ND		0.0027	ND		0.0032	ND		0.0027	ND		0.0026	ND		0.0028	ND		0.0027	ND		0.0028	ND		0.0027	ND		0.0027
p,p'-DDT	47	0.0033	ND		0.0027	ND		0.0032	ND		0.0027	ND		0.0026	ND		0.0028	ND		0.0027	ND		0.0028	ND		0.0027	ND		0.0027
Toxaphene	NA	NA	ND		0.027	ND		0.032	ND		0.027	ND		0.026	ND		0.028	ND		0.027	ND		0.028	ND		0.027	ND		0.027
OTHER PARAMETERS																													
Percent Solids	NA	NA	93			79			92			96			90			92			89			91			91		

Notes:
Shaded and bold value indicates an exceedence of the NYSDEC UUSCO
Red shaded and bold value indicates an exceedence of the NYSDEC CSCO
All results reported in parts per million (ppm or mg/kg)
Sample depths reported in feet below ground surface (fbgs)
UUSCO - NYSDEC Remedial Program Part 375 Unrestricted Use Soil Cleanup Objectives. Where applicable, the UUSCO is based on the NYSDEC CP-51 Soil Cleanup Objective.
CSCO - NYSDEC Remedial Program Part 375 Restricted Use Commercial Soil Cleanup Objectives
Flg - Data Qualifier
RL - Laboratory Reporting Limit
ND - Not Detected exceeding RL
NA - No Applicable NYSDEC SCO
J - Detected at an estimated concentration
~ - Not analyzed for this compound
D - Reported from lower column

TABLE 2
SOIL SAMPLING AND ANALYSES DATA SUMMARY
Proposed Self-Storage Facility
1538 Stillwell Avenue and 1540 Bassett Avenue
Bronx, Bronx County, New York

		SAMPLE ID:	S-1			S-1 (D)			S-2			S-3			S-4			S-5			S-6			S-7			S-8		
		LAB ID:	L1219981-01			L1219981-09			L1219981-02			L1219981-03			L1219981-04			L1219981-05			L1219981-06			L1219981-07			L1219981-08		
		COLLECTION DATE:	11/5/2012			11/5/2012			11/5/2012			11/5/2012			11/5/2012			11/5/2012			11/5/2012			11/5/2012			11/5/2012		
		SAMPLE DEPTH:	4.5 to 5.0			4.5 to 5.0			4.5 to 5.0			4.5 to 5.0			4.5 to 5.0			4.5 to 5.0			4.5 to 5.0			4.5 to 5.0			4.5 to 5.0		
		SAMPLE MATRIX:	SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL		
ANALYTE	**CSCO**	**UUSCO**	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL
VOLATILE ORGANICS (VOs)																													
1,1,1,2-Tetrachloroethane	NA	NA	ND		0.0011	ND		0.0062	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0012	ND		0.0011	ND		0.11	ND		0.0011
1,1,1-Trichloroethane	500	0.68	ND		0.0011	ND		0.0062	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0012	ND		0.0011	ND		0.11	ND		0.0011
1,1,2,2-Tetrachloroethane	NA	NA	ND		0.0011	ND		0.0062	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0012	ND		0.0011	ND		0.11	ND		0.0011
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
1,1,2-Trichloroethane	NA	NA	ND		0.0016	ND		0.0092	ND		0.0016	ND		0.0017	ND		0.0016	ND		0.0018	ND		0.0017	ND		0.17	ND		0.0016
1,1-Dichloroethane	240	0.27	ND		0.0016	ND		0.0092	ND		0.0016	ND		0.0017	ND		0.0016	ND		0.0018	ND		0.0017	ND		0.17	ND		0.0016
1,1-Dichloroethene	500	0.33	ND		0.0011	ND		0.0062	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0012	ND		0.0011	ND		0.11	ND		0.0011
1,1-Dichloropropene	NA	NA	ND		0.0054	ND		0.031	ND		0.0055	ND		0.0056	ND		0.0054	ND		0.0062	ND		0.0057	ND		0.57	ND		0.0054
1,2,3-Trichlorobenzene	NA	NA	ND		0.0054	ND		0.031	ND		0.0055	ND		0.0056	ND		0.0054	ND		0.0062	ND		0.0057	ND		0.57	ND		0.0054
1,2,3-Trichloropropane	NA	NA	ND		0.011	ND		0.062	ND		0.011	ND		0.011	ND		0.011	ND		0.012	ND		0.011	ND		1.1	ND		0.011
1,2,4,5-Tetramethylbenzene	NA	NA	ND		0.0043	ND		0.025	ND		0.0044	0.0047		0.0045	ND		0.0043	ND		0.0049	ND		0.0046	0.63		0.45	ND		0.0043
1,2,4-Trichlorobenzene	NA	NA	ND		0.0054	ND		0.031	ND		0.0055	ND		0.0056	ND		0.0054	ND		0.0062	ND		0.0057	ND		0.57	ND		0.0054
1,2,4-Trimethylbenzene	190	3.6	ND		0.0054	ND		0.031	ND		0.0055	0.045		0.0056	ND		0.0054	ND		0.0062	ND		0.0057	**6.1**		**0.57**	ND		0.0054
1,2-Dibromo-3-chloropropane	NA	NA	ND		0.0054	ND		0.031	ND		0.0055	ND		0.0056	ND		0.0054	ND		0.0062	ND		0.0057	ND		0.57	ND		0.0054
1,2-Dibromoethane	NA	NA	ND		0.0043	ND		0.025	ND		0.0044	ND		0.0045	ND		0.0043	ND		0.0049	ND		0.0046	ND		0.45	ND		0.0043
1,2-Dichlorobenzene	500	1.1	ND		0.0054	ND		0.031	ND		0.0055	ND		0.0056	ND		0.0054	ND		0.0062	ND		0.0057	ND		0.57	ND		0.0054
1,2-Dichloroethane	30	0.02	ND		0.0011	ND		0.0062	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0012	ND		0.0011	ND		0.11	ND		0.0011
1,2-Dichloropropane	NA	NA	ND		0.0038	ND		0.022	ND		0.0038	ND		0.0039	ND		0.0038	ND		0.0043	ND		0.004	ND		0.4	ND		0.0038
1,3,5-Trimethylbenzene	190	8.4	ND		0.0054	ND		0.031	ND		0.0055	0.022		0.0056	ND		0.0054	ND		0.0062	ND		0.0057	7.1		0.57	ND		0.0054
1,3-Dichlorobenzene	280	2.4	ND		0.0054	ND		0.031	ND		0.0055	ND		0.0056	ND		0.0054	ND		0.0062	ND		0.0057	ND		0.57	ND		0.0054
1,3-Dichloropropane	NA	NA	ND		0.0054	ND		0.031	ND		0.0055	ND		0.0056	ND		0.0054	ND		0.0062	ND		0.0057	ND		0.57	ND		0.0054
1,4-Dichlorobenzene	130	1.8	ND		0.0054	ND		0.031	ND		0.0055	ND		0.0056	ND		0.0054	ND		0.0062	ND		0.0057	ND		0.57	ND		0.0054
1,4-Diethylbenzene	NA	NA	ND		0.0043	ND		0.025	ND		0.0044	0.03		0.0045	ND		0.0043	ND		0.0049	ND		0.0046	12		0.45	ND		0.0043
1,4-Dioxane	130	0.1	ND		0.11	ND		0.62	ND		0.11	ND		0.11	ND		0.11	ND		0.12	ND		0.11	ND		11	ND		0.11
2,2-Dichloropropane	NA	NA	ND		0.0054	ND		0.031	ND		0.0055	ND		0.0056	ND		0.0054	ND		0.0062	ND		0.0057	ND		0.57	ND		0.0054
2-Butanone	500	0.12	ND		0.011	ND		0.062	ND		0.011	0.025		0.011	ND		0.011	ND		0.012	ND		0.011	ND		1.1	ND		0.011
2-Chloroethylvinylether	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
2-Hexanone	NA	NA	ND		0.011	ND		0.062	ND		0.011	ND		0.011	ND		0.011	ND		0.012	ND		0.011	ND		1.1	ND		0.011
4-Ethyltoluene	NA	NA	ND		0.0043	ND		0.025	ND		0.0044	0.046		0.0045	0.00039	J	0.0043	ND		0.0049	ND		0.0046	9.4		0.45	ND		0.0043
4-Isopropyltoluene	NA	10	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
4-Methyl-2-pentanone	NA	1.0	ND		0.011	ND		0.062	ND		0.011	0.027		0.011	ND		0.011	ND		0.012	ND		0.011	ND		1.1	ND		0.011
Acetone	500	0.05	ND		0.011	ND		0.062	ND		0.011	**0.082**		**0.011**	0.0063	J	0.011	ND		0.012	ND		0.011	ND		1.1	ND		0.011
Acrolein	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Acrylonitrile	NA	NA	ND		0.011	ND		0.062	ND		0.011	ND		0.011	ND		0.011	ND		0.012	ND		0.011	ND		1.1	ND		0.011
Benzene	44	0.06	ND		0.0011	ND		0.0062	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0012	ND		0.0011	ND		0.11	ND		0.0011
Bromobenzene	NA	NA	ND		0.0054	ND		0.031	ND		0.0055	ND		0.0056	ND		0.0054	ND		0.0062	ND		0.0057	ND		0.57	ND		0.0054
Bromochloromethane	NA	NA	ND		0.0054	ND		0.031	ND		0.0055	ND		0.0056	ND		0.0054	ND		0.0062	ND		0.0057	ND		0.57	ND		0.0054
Bromodichloromethane	NA	NA	ND		0.0011	ND		0.0062	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0012	ND		0.0011	ND		0.11	ND		0.0011
Bromoform	NA	NA	ND		0.0043	ND		0.025	ND		0.0044	ND		0.0045	ND		0.0043	ND		0.0049	ND		0.0046	ND		0.45	ND		0.0043
Bromomethane	NA	NA	ND		0.0022	ND		0.012	ND		0.0022	ND		0.0022	ND		0.0022	ND		0.0025	ND		0.0023	ND		0.23	ND		0.0022
Carbon disulfide	NA	2.7	ND		0.011	ND		0.062	ND		0.011	0.00067	J	0.011	ND		0.011	ND		0.012	ND		0.011	ND		1.1	ND		0.011
Carbon tetrachloride	22	0.76	ND		0.0011	ND		0.0062	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0012	ND		0.0011	ND		0.11	ND		0.0011
Chlorobenzene	500	1.1	ND		0.0011	ND		0.0062	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0012	ND		0.0011	ND		0.11	ND		0.0011
Chloroethane	NA	NA	ND		0.0022	ND		0.012	ND		0.0022	ND		0.0022	ND		0.0022	ND		0.0025	ND		0.0023	ND		0.23	ND		0.0022
Chloroform	350	0.37	ND		0.0016	ND		0.0092	ND		0.0016	ND		0.0017	ND		0.0016	0.00057	J	0.0018	ND		0.0017	ND		0.17	ND		0.0016
Chloromethane	NA	NA	ND		0.0054	ND		0.031	ND		0.0055	ND		0.0056	ND		0.0054	ND		0.0062	ND		0.0057	ND		0.57	ND		0.0054
cis-1,2-Dichloroethene	500	0.25	ND		0.0011	0.16		0.0062	0.00061	J	0.0011	0.0061		0.0011	0.0008	J	0.0011	0.13		0.0012	0.0058		0.0011	ND		0.11	ND		0.0011
cis-1,3-Dichloropropene	NA	NA	ND		0.0011	ND		0.0062	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0012	ND		0.0011	ND		0.11	ND		0.0011
Dibromochloromethane	NA	NA	ND		0.0011	ND		0.0062	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0012	ND		0.0011	ND		0.11	ND		0.0011

TABLE 2
SOIL SAMPLING AND ANALYSES DATA SUMMARY
Proposed Self-Storage Facility
1538 Stillwell Avenue and 1540 Bassett Avenue
Bronx, Bronx County, New York

		SAMPLE ID:	S-1			S-1 (D)			S-2			S-3			S-4			S-5			S-6			S-7			S-8		
		LAB ID:	L1219981-01			L1219981-09			L1219981-02			L1219981-03			L1219981-04			L1219981-05			L1219981-06			L1219981-07			L1219981-08		
		COLLECTION DATE:	11/5/2012			11/5/2012			11/5/2012			11/5/2012			11/5/2012			11/5/2012			11/5/2012			11/5/2012			11/5/2012		
		SAMPLE DEPTH:	4.5 to 5.0			4.5 to 5.0			4.5 to 5.0			4.5 to 5.0			4.5 to 5.0			4.5 to 5.0			4.5 to 5.0			4.5 to 5.0			4.5 to 5.0		
		SAMPLE MATRIX:	SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL		
ANALYTE	**CSCO**	**UUSCO**	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL
Dibromomethane	NA	NA	ND		0.011	ND		0.062	ND		0.011	ND		0.011	ND		0.011	ND		0.012	ND		0.011	ND		1.1	ND		0.011
Dichlorodifluoromethane	NA	NA	ND		0.011	ND		0.062	ND		0.011	ND		0.011	ND		0.011	ND		0.012	ND		0.011	ND		1.1	ND		0.011
Ethyl ether	NA	NA	ND		0.0054	ND		0.031	ND		0.0055	ND		0.0056	ND		0.0054	ND		0.0062	ND		0.0057	ND		0.57	ND		0.0054
Ethylbenzene	390	1	ND		0.0011	ND		0.0062	0.00068	J	0.0011	0.05		0.0011	0.0012		0.0011	ND		0.0012	ND		0.0011	0.35		0.11	ND		0.0011
Hexachlorobutadiene	NA	NA	ND		0.0054	ND		0.031	ND		0.0055	ND		0.0056	ND		0.0054	ND		0.0062	ND		0.0057	ND		0.57	ND		0.0054
Isopropylbenzene	NA	2.3	ND		0.0011	ND		0.0062	ND		0.0011	0.0045		0.0011	ND		0.0011	ND		0.0012	ND		0.0011	0.35		0.11	ND		0.0011
m&p-Xylenes	NA	0.26	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Methylene chloride	500	0.05	ND		0.011	ND		0.062	ND		0.011	ND		0.011	ND		0.011	ND		0.012	ND		0.011	ND		1.1	ND		0.011
Methyl-t-butyl ether	500	0.93	ND		0.0022	ND		0.012	ND		0.0022	ND		0.0022	ND		0.0022	ND		0.0025	ND		0.0023	ND		0.23	ND		0.0022
n-Butylbenzene	500	12	ND		0.0011	ND		0.0062	ND		0.0011	0.012		0.0011	ND		0.0011	ND		0.0012	ND		0.0011	ND		0.11	ND		0.0011
n-Propylbenzene	500	3.9	ND		0.0011	ND		0.0062	ND		0.0011	0.0078		0.0011	ND		0.0011	ND		0.0012	ND		0.0011	1.2		0.11	ND		0.0011
Naphthalene	500	12	ND		0.0054	ND		0.031	ND		0.0055	0.003	J	0.0056	ND		0.0054	ND		0.0062	ND		0.0057	0.11	J	0.57	ND		0.0054
o-Chlorotoluene	NA	NA	ND		0.0054	ND		0.031	ND		0.0055	0.0029	J	0.0056	ND		0.0054	ND		0.0062	ND		0.0057	0.96		0.57	ND		0.0054
o-Xylene	500	0.26	ND		0.0022	ND		0.012	0.0014	J	0.0022	0.1		0.0022	0.0019	J	0.0022	ND		0.0025	0.00051	J	0.0023	0.094	J	0.23	ND		0.0022
p-Chlorotoluene	NA	NA	ND		0.0054	ND		0.031	ND		0.0055	ND		0.0056	ND		0.0054	ND		0.0062	ND		0.0057	ND		0.57	ND		0.0054
p-Isopropyltoluene	NA	10	ND		0.0011	ND		0.0062	ND		0.0011	0.027		0.0011	ND		0.0011	ND		0.0012	ND		0.0011	2.1		0.11	ND		0.0011
p/m-Xylene	500	0.26	ND		0.0022	ND		0.012	0.0032		0.0022	0.18		0.0022	0.0044		0.0022	ND		0.0025	ND		0.0023	0.46		0.23	ND		0.0022
sec-Butylbenzene	500	11	ND		0.0011	ND		0.0062	ND		0.0011	0.0089		0.0011	ND		0.0011	ND		0.0012	ND		0.0011	0.16		0.11	ND		0.0011
Styrene	NA	300	ND		0.0022	ND		0.012	ND		0.0022	0.0017	J	0.0022	ND		0.0022	ND		0.0025	ND		0.0023	ND		0.23	ND		0.0022
t-Butyl Alcohol	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
t-Butylbenzene	NA	5.9	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
tert-Butylbenzene	500	5.9	ND		0.0054	ND		0.031	ND		0.0055	0.0013	J	0.0056	ND		0.0054	ND		0.0062	ND		0.0057	ND		0.57	ND		0.0054
Tetrachloroethene	150	1.3	0.0051		0.0011	0.69		0.0062	ND		0.0011	0.0022		0.0011	0.045		0.0011	1.1		0.0062	0.0033		0.0011	ND		0.11	ND		0.0011
Toluene	500	0.7	0.0022		0.0016	ND		0.0092	0.006		0.0016	0.29		0.0084	0.013		0.0016	0.00035	J	0.0018	ND		0.0017	ND		0.17	ND		0.0016
Trans-1,2-dichloroethene	500	0.19	ND		0.0016	ND		0.0092	ND		0.0016	0.0018		0.0017	ND		0.0016	0.0017	J	0.0018	0.0005	J	0.0017	ND		0.17	ND		0.0016
Trans-1,3-dichloropropene	NA	NA	ND		0.0011	ND		0.0062	ND		0.0011	ND		0.0011	ND		0.0011	ND		0.0012	ND		0.0011	ND		0.11	ND		0.0011
trans-1,4-Dichloro-2-butene	NA	NA	ND		0.0054	ND		0.031	ND		0.0055	ND		0.0056	ND		0.0054	ND		0.0062	ND		0.0057	ND		0.57	ND		0.0054
Trichloroethene	200	0.47	0.023		0.0011	0.28		0.0062	0.0025		0.0011	0.0074		0.0011	0.0033		0.0011	0.15		0.0012	0.014		0.0011	0.039	J	0.11	ND		0.0011
Trichlorofluoromethane	NA	NA	ND		0.0054	ND		0.031	ND		0.0055	ND		0.0056	ND		0.0054	ND		0.0062	ND		0.0057	ND		0.57	ND		0.0054
Vinyl acetate	NA	NA	ND		0.011	ND		0.062	ND		0.011	ND		0.011	ND		0.011	ND		0.012	ND		0.011	ND		1.1	ND		0.011
Vinyl chloride	13	0.02	ND		0.0022	ND		0.012	ND		0.0022	0.013		0.0022	ND		0.0022	ND		0.0025	ND		0.0023	ND		0.23	ND		0.0022
Xylenes (Total)	500	0.26	~		~	~		~	~		~	**0.28**		**0.0022**	~		~	~		~	~		~	**0.554**		**0.23**	~		~
SEMI-VOLATILE ORGANICS (SVOs)																													
1,2-Diphenylhydrazine	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
2,4,5-Trichlorophenol	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
2,4,6-Trichlorophenol	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
2,4-Dichlorophenol	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
2,4-Dimethylphenol	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
2,4-Dinitrophenol	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
2,4-Dinitrotoluene	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
2,6-Dinitrotoluene	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
2-Chloronaphthalene	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
2-Chlorophenol	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
2-Methylnaphthalene	NA	0.41	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
2-Methylphenol	NA	0.33	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
2-Nitroaniline	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
2-Nitrophenol	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
3&4-Methylphenol	NA	0.33	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
3,3'-Dichlorobenzidine	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
3-Nitroaniline	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~

TABLE 2
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Proposed Self-Storage Facility
1538 Stillwell Avenue and 1540 Bassett Avenue
Bronx, Bronx County, New York

		SAMPLE ID:	S-1			S-1 (D)			S-2			S-3			S-4			S-5			S-6			S-7			S-8		
		LAB ID:	L1219981-01			L1219981-09			L1219981-02			L1219981-03			L1219981-04			L1219981-05			L1219981-06			L1219981-07			L1219981-08		
		COLLECTION DATE:	11/5/2012			11/5/2012			11/5/2012			11/5/2012			11/5/2012			11/5/2012			11/5/2012			11/5/2012			11/5/2012		
		SAMPLE DEPTH:	4.5 to 5.0			4.5 to 5.0			4.5 to 5.0			4.5 to 5.0			4.5 to 5.0			4.5 to 5.0			4.5 to 5.0			4.5 to 5.0			4.5 to 5.0		
		SAMPLE MATRIX:	SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL		
ANALYTE	**CSCO**	**UUSCO**	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL
4,6-Dinitro-2-methylphenol	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
4-Bromophenyl-phenylether	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
4-Chloro-3-methylphenol	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
4-Chloroaniline	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
4-Chlorophenyl-phenylether	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
4-Nitroaniline	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
4-Nitrophenol	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Acenaphthene	500	20	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Acenaphthylene	500	100	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Aniline	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Anthracene	500	100	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Benzidine	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Benzo[a]anthracene	5.6	1	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Benzo[a]pyrene	1	1	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Benzo[b]fluoranthene	5.6	1	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Benzo[g,h,i]perylene	500	100	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Benzo[k]fluoranthene	56	0.8	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Benzoic acid	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
bis(2-Chloroethoxy)methane	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
bis(2-Chloroethyl)ether	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
bis(2-Chloroisopropyl)ether	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
bis(2-Ethylhexyl)phthalate	NA	50	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Butylbenzylphthalate	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Carbazole	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Chrysene	56	1	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Dibenzo[a,h]anthracene	0.56	0.33	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Dibenzofuran	NA	7	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Diethylphthalate	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Dimethylphthalate	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Di-n-butylphthalate	NA	0.014	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Di-n-octylphthalate	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Fluoranthene	500	100	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Fluorene	500	30	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Hexachlorobenzene	NA	0.33	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Hexachlorobutadiene	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Hexachlorocyclopentadiene	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Hexachloroethane	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Indeno[1,2,3-cd]pyrene	5.6	0.5	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Isophorone	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Naphthalene	500	12	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Nitrobenzene	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
N-Nitrosodimethylamine	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
N-Nitroso-di-n-propylamine	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
N-Nitrosodiphenylamine	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Pentachlorophenol	6.7	0.8	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Phenanthrene	500	100	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Phenol	500	0.33	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Pyrene	500	100	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
METALS																													
Mercury	2.8	0.18	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~

TABLE 2
SOIL SAMPLING AND ANALYSES DATA SUMMARY
Proposed Self-Storage Facility
1538 Stillwell Avenue and 1540 Bassett Avenue
Bronx, Bronx County, New York

		SAMPLE ID:	S-1			S-1 (D)			S-2			S-3			S-4			S-5			S-6			S-7			S-8		
		LAB ID:	L1219981-01			L1219981-09			L1219981-02			L1219981-03			L1219981-04			L1219981-05			L1219981-06			L1219981-07			L1219981-08		
		COLLECTION DATE:	11/5/2012			11/5/2012			11/5/2012			11/5/2012			11/5/2012			11/5/2012			11/5/2012			11/5/2012			11/5/2012		
		SAMPLE DEPTH:	4.5 to 5.0			4.5 to 5.0			4.5 to 5.0			4.5 to 5.0			4.5 to 5.0			4.5 to 5.0			4.5 to 5.0			4.5 to 5.0			4.5 to 5.0		
		SAMPLE MATRIX:	SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL		
ANALYTE	**CSCO**	**UUSCO**	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL
Aluminum	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Antimony	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Arsenic	16	13	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Barium	400	350	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Beryllium	590	7.2	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Cadmium	9.3	2.5	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Calcium	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Chromium	1,500	30	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Cobalt	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Copper	270	50	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Iron	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Lead	1,000	63	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Magnesium	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Manganese	10,000	1,600	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Nickel	310	30	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Potassium	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Selenium	1,500	3.9	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Silver	1,500	2	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Sodium	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Thallium	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Vanadium	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Zinc	10,000	109	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
POLYCHLORINATED BIPHENYLS (PCBs)																													
Aroclor (Total)	1	0.1	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1016	1	0.1	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1221	1	0.1	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1232	1	0.1	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1242	1	0.1	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1248	1	0.1	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1254	1	0.1	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1260	1	0.1	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1262	1	0.1	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1268	1	0.1	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
PESTICIDES																													
Aldrin	0.68	0.005	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Alpha-BHC	3.4	0.02	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
beta-BHC	3	0.036	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Chlordane	24	0.91	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
delta-BHC	500	0.04	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Dieldrin	1.4	0.005	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Endosulfan I	200	2.4	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Endosulfan II	200	2.4	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Endosulfan Sulfate	200	2.4	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Endrin	89	0.014	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Endrin Aldehyde	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Endrin Ketone	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
gamma-BHC	NA	0.1	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Heptachlor	15	0.042	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Heptachlor Epoxide	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Methoxychlor	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~

TABLE 2
SOIL SAMPLING AND ANALYSES DATA SUMMARY
Proposed Self-Storage Facility
1538 Stillwell Avenue and 1540 Bassett Avenue
Bronx, Bronx County, New York

		SAMPLE ID:	S-1			S-1 (D)			S-2			S-3			S-4			S-5			S-6			S-7			S-8		
		LAB ID:	L1219981-01			L1219981-09			L1219981-02			L1219981-03			L1219981-04			L1219981-05			L1219981-06			L1219981-07			L1219981-08		
		COLLECTION DATE:	11/5/2012			11/5/2012			11/5/2012			11/5/2012			11/5/2012			11/5/2012			11/5/2012			11/5/2012			11/5/2012		
		SAMPLE DEPTH:	4.5 to 5.0			4.5 to 5.0			4.5 to 5.0			4.5 to 5.0			4.5 to 5.0			4.5 to 5.0			4.5 to 5.0			4.5 to 5.0			4.5 to 5.0		
		SAMPLE MATRIX:	SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL		
ANALYTE	**CSCO**	**UUSCO**	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL
p,p'-DDD	92	0.0033	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
p,p'-DDE	62	0.0033	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
p,p'-DDT	47	0.0033	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Toxaphene	NA	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
OTHER PARAMETERS																													
Percent Solids	NA	NA	92			81			91			89			92			81			87			88			92		

Notes:
Shaded and bold value indicates an exceedence of the NYSDEC UUSCO
Red shaded and bold value indicates an exceedence of the NYSDEC CSCO
All results reported in parts per million (ppm or mg/kg)
Sample depths reported in feet below ground surface (fbgs)
UUSCO - NYSDEC Remedial Program Part 375 Unrestricted Use Soil Cleanup Objectives. Where applicable, the UUSCO is based on the NYSDEC CP-51 Soil Cleanup Objective.
CSCO - NYSDEC Remedial Program Part 375 Restricted Use Commercial Soil Cleanup Objectives
Flg - Data Qualifier
RL - Laboratory Reporting Limit
ND - Not Detected exceeding RL
NA - No Applicable NYSDEC SCO
J - Detected at an estimated concentration
~ - Not analyzed for this compound
D - Reported from lower column

TABLE 3
Groundwater Sampling and Analyses Data Summary

TABLE 3
GROUNDWATER SAMPLING AND ANALYSES DATA SUMMARY
Proposed Self-Storage Facility
1538 Stillwell Avenue and 1540 Bassett Avenue
Bronx, Bronx County, New York

	SAMPLE ID:	TW-1			TW-2			B-5-GW			MW-1 U			MW-1 F			MW-2 U			MW-2 F			MW-3 U			MW-3 F			MW-3 DUPLICATE U		
	LAB ID:	AC62229-007			AC62229-008			AC64634-002			AC67271-001			AC67271-002			AC67271-003			AC67271-004			AC67271-005			AC67271-006			AC67271-007		
	COLLECTION DATE:	10/19/2011			10/19/2011			3/8/2012			7/24/2012			7/24/2012			7/24/2012			7/24/2012			7/24/2012			7/24/2012			7/24/2012		
	DEPTH TO GW:	8.0			9.0			10.0			7.00			7.00			9.26			9.26			9.30			9.30			9.30		
	SAMPLE MATRIX:	GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER		
ANALYTE	**TOGS**	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL
VOLATILE ORGANICS (VOs)																															
1,1,1-Trichloroethane	5	ND		1.0	ND		1.0	ND		1.0	ND		1.0	~		~	ND		1.0	~		~	ND		1.0	~		~	ND		1.0
1,1,2,2-Tetrachloroethane	5	ND		1.0	ND		1.0	ND		1.0	ND		1.0	~		~	ND		1.0	~		~	ND		1.0	~		~	ND		1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	5	ND		1.0	ND		1.0	ND		1.0	ND		1.0	~		~	ND		1.0	~		~	ND		1.0	~		~	ND		1.0
1,1,2-Trichloroethane	1	ND		1.0	ND		1.0	ND		1.0	ND		1.0	~		~	ND		1.0	~		~	ND		1.0	~		~	ND		1.0
1,1-Dichloroethane	5	ND		1.0	ND		1.0	ND		1.0	ND		1.0	~		~	ND		1.0	~		~	ND		1.0	~		~	ND		1.0
1,1-Dichloroethene	5	ND		1.0	ND		1.0	ND		1.0	ND		1.0	~		~	ND		1.0	~		~	ND		1.0	~		~	ND		1.0
1,2,3-Trichloropropane	NA	ND		1.0	ND		1.0	ND		1.0	ND		1.0	~		~	ND		1.0	~		~	ND		1.0	~		~	ND		1.0
1,2,4-Trimethylbenzene	5	ND		1.0	**27**		**1.0**	ND		1.0	ND		1.0	~		~	ND		1.0	~		~	ND		1.0	~		~	ND		1.0
1,2-Dichlorobenzene	3	ND		1.0	ND		1.0	ND		1.0	ND		1.0	~		~	ND		1.0	~		~	ND		1.0	~		~	ND		1.0
1,2-Dichloroethane	0.6	ND		0.50	ND		0.50	ND		0.50	ND		0.50	~		~	ND		0.50	~		~	ND		0.50	~		~	ND		0.50
1,2-Dichloropropane	1	ND		1.0	ND		1.0	ND		1.0	ND		1.0	~		~	ND		1.0	~		~	ND		1.0	~		~	ND		1.0
1,3,5-Trimethylbenzene	5	ND		1.0	**24**		**1.0**	ND		1.0	ND		1.0	~		~	ND		1.0	~		~	ND		1.0	~		~	ND		1.0
1,3-Dichlorobenzene	3	ND		1.0	ND		1.0	ND		1.0	ND		1.0	~		~	ND		1.0	~		~	ND		1.0	~		~	ND		1.0
1,3-Dichloropropane	NA	ND		1.0	ND		1.0	ND		1.0	ND		1.0	~		~	ND		1.0	~		~	ND		1.0	~		~	ND		1.0
1,4-Dichlorobenzene	3	ND		1.0	ND		1.0	ND		1.0	ND		1.0	~		~	ND		1.0	~		~	ND		1.0	~		~	ND		1.0
1,4-Dioxane	NA	ND		50	ND		50	ND		50	ND		50	~		~	ND		50	~		~	ND		50	~		~	ND		50
2-Butanone	NA	ND		1.0	ND		1.0	ND		1.0	ND		1.0	~		~	ND		1.0	~		~	ND		1.0	~		~	ND		1.0
2-Chloroethylvinylether	NA	ND		1.0	ND		1.0	ND		1.0	ND		1.0	~		~	ND		1.0	~		~	ND		1.0	~		~	ND		1.0
2-Hexanone	50	ND		1.0	ND		1.0	ND		1.0	ND		1.0	~		~	ND		1.0	~		~	ND		1.0	~		~	ND		1.0
4-Isopropyltoluene	5	ND		1.0	**5.3**		**1.0**	ND		1.0	ND		1.0	~		~	ND		1.0	~		~	ND		1.0	~		~	ND		1.0
4-Methyl-2-pentanone	NA	ND		1.0	ND		1.0	ND		1.0	ND		1.0	~		~	ND		1.0	~		~	ND		1.0	~		~	ND		1.0
Acetone	50	ND		5.9	ND		5.9	ND		10	ND		10	~		~	ND		10	~		~	ND		10	~		~	ND		10
Acrolein	5	ND		5.0	ND		5.0	ND		5.0	ND		5.0	~		~	ND		5.0	~		~	ND		5.0	~		~	ND		5.0
Acrylonitrile	5	ND		1.1	ND		1.1	ND		2.0	ND		2.0	~		~	ND		2.0	~		~	ND		2.0	~		~	ND		2.0
Benzene	1	ND		0.50	ND		0.50	ND		0.50	ND		0.50	~		~	ND		0.50	~		~	ND		0.50	~		~	ND		0.50
Bromodichloromethane	50	ND		0.61	ND		0.61	ND		0.50	ND		1.0	~		~	ND		1.0	~		~	ND		1.0	~		~	ND		1.0
Bromoform	50	ND		1.0	ND		1.0	ND		1.0	ND		1.0	~		~	ND		1.0	~		~	ND		1.0	~		~	ND		1.0
Bromomethane	5	ND		1.0	ND		1.0	ND		1.0	ND		1.0	~		~	ND		1.0	~		~	ND		1.0	~		~	ND		1.0
Carbon disulfide	60	ND		1.0	ND		1.0	ND		1.0	ND		1.0	~		~	ND		1.0	~		~	ND		1.0	~		~	ND		1.0
Carbon tetrachloride	5	ND		1.0	ND		1.0	ND		1.0	ND		1.0	~		~	ND		1.0	~		~	ND		1.0	~		~	ND		1.0
Chlorobenzene	5	ND		1.0	ND		1.0	ND		1.0	ND		1.0	~		~	ND		1.0	~		~	ND		1.0	~		~	ND		1.0
Chloroethane	5	ND		1.0	ND		1.0	ND		1.0	ND		1.0	~		~	ND		1.0	~		~	**12**		**1.0**	~		~	ND		1.0
Chloroform	7	ND		1.0	ND		1.0	ND		1.0	ND		1.0	~		~	ND		1.0	~		~	ND		1.0	~		~	ND		1.0
Chloromethane	5	ND		1.0	ND		1.0	ND		1.0	ND		1.0	~		~	ND		1.0	~		~	ND		1.0	~		~	ND		1.0
cis-1,2-Dichloroethene	5	**110**		**1.0**	ND		1.0	**36**		**1.0**	**7.8**		**1.0**	~		~	**18**		**1.0**	~		~	ND		1.0	~		~	ND		1.0
cis-1,3-Dichloropropene	0.4	ND		1.0	ND		1.0	ND		1.0	ND		1.0	~		~	ND		1.0	~		~	ND		1.0	~		~	ND		1.0
Dibromochloromethane	50	ND		1.0	ND		1.0	ND		0.56	ND		1.0	~		~	ND		1.0	~		~	ND		1.0	~		~	ND		1.0
Dichlorodifluoromethane	5	ND		1.0	ND		1.0	ND		1.0	ND		1.0	~		~	ND		1.0	~		~	ND		1.0	~		~	ND		1.0
Ethylbenzene	5	ND		1.0	ND		1.0	ND		1.0	ND		1.0	~		~	ND		1.0	~		~	ND		1.0	~		~	ND		1.0
Isopropylbenzene	5	ND		1.0	4.2		1.0	ND		1.0	ND		1.0	~		~	ND		1.0	~		~	ND		1.0	~		~	ND		1.0
m&p-Xylenes	5	ND		1.0	ND		1.0	ND		1.0	ND		1.0	~		~	ND		1.0	~		~	ND		1.0	~		~	ND		1.0
Methylene chloride	5	ND		1.0	ND		1.0	ND		1.0	ND		1.0	~		~	ND		1.0	~		~	ND		1.0	~		~	ND		1.0
Methyl-t-butyl ether	10	ND		0.50	ND		0.50	ND		0.50	ND		0.50	~		~	ND		0.50	~		~	ND		0.50	~		~	ND		0.50
n-Butylbenzene	5	ND		1.0	1.9		1.0	ND		1.0	ND		1.0	~		~	ND		1.0	~		~	ND		1.0	~		~	ND		1.0
n-Propylbenzene	5	ND		1.0	1.8		1.0	ND		1.0	ND		1.0	~		~	ND		1.0	~		~	ND		1.0	~		~	ND		1.0
o-Xylene	5	ND		1.0	ND		1.0	ND		1.0	ND		1.0	~		~	ND		1.0	~		~	ND		1.0	~		~	ND		1.0
sec-Butylbenzene	5	ND		1.0	**19**		**1.0**	ND		1.0	ND		1.0	~		~	ND		1.0	~		~	ND		1.0	~		~	ND		1.0
Styrene	930	ND		1.0	ND		1.0	ND		1.0	ND		1.0	~		~	ND		1.0	~		~	ND		1.0	~		~	ND		1.0
t-Butyl Alcohol	NA	ND		5.0	ND		5.0	ND		5.0	ND		5.0	~		~	8.1		5.0	~		~	ND		5.0	~		~	ND		5.0
t-Butylbenzene	5	ND		1.0	4.7		1.0	ND		1.0	ND		1.0	~		~	ND		1.0	~		~	ND		1.0	~		~	ND		1.0
Tetrachloroethene	5	**110**		**1.0**	ND		1.0	1.2		1.0	**62**		**1.0**	~		~	ND		1.0	~		~	**8.4**		**1.0**	~		~	**8.1**		**1.0**
Toluene	5	ND		1.0	ND		1.0	ND		1.0	ND		1.0	~		~	ND		1.0	~		~	ND		1.0	~		~	ND		1.0
Trans-1,2-dichloroethene	5	5.0		1.0	ND		1.0	1.1		1.0	ND		1.0	~		~	ND		1.0	~		~	ND		1.0	~		~	ND		1.0

TABLE 3
GROUNDWATER SAMPLING AND ANALYSES DATA SUMMARY
Proposed Self-Storage Facility
1538 Stillwell Avenue and 1540 Bassett Avenue
Bronx, Bronx County, New York

	SAMPLE ID:	TW-1			TW-2			B-5-GW			MW-1 U			MW-1 F			MW-2 U			MW-2 F			MW-3 U			MW-3 F			MW-3 DUPLICATE U		
	LAB ID:	AC62229-007			AC62229-008			AC64634-002			AC67271-001			AC67271-002			AC67271-003			AC67271-004			AC67271-005			AC67271-006			AC67271-007		
	COLLECTION DATE:	10/19/2011			10/19/2011			3/8/2012			7/24/2012			7/24/2012			7/24/2012			7/24/2012			7/24/2012			7/24/2012			7/24/2012		
	DEPTH TO GW:	8.0			9.0			10.0			7.00			7.00			9.26			9.26			9.30			9.30			9.30		
	SAMPLE MATRIX:	GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER		
ANALYTE	**TOGS**	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL
Trans-1,3-dichloropropene	0.4	ND		1.0	ND		1.0	ND		1.0	ND		1.0	~		~	ND		1.0	~		~	ND		1.0	~		~	ND		1.0
Trichloroethene	5	**290**		**1.0**	ND		1.0	**20**		**1.0**	**63**		**1.0**	~		~	**8.8**		**1.0**	~		~	**49**		**1.0**	~		~	**48**		**1.0**
Trichlorofluoromethane	5	ND		1.0	ND		1.0	ND		1.0	ND		1.0	~		~	ND		1.0	~		~	ND		1.0	~		~	ND		1.0
Vinyl chloride	2	ND		1.0	ND		1.0	**12**		**1.0**	ND		1.0	~		~	ND		1.0	~		~	ND		1.0	~		~	ND		1.0
Xylenes (Total)	5	ND		1.0	ND		1.0	ND		1.0	ND		1.0	~		~	ND		1.0	~		~	ND		1.0	~		~	ND		1.0
SEMI-VOLATILE ORGANICS (SVOs)																															
1,2-Diphenylhydrazine	ND	ND		2.0	ND		2.0	ND		2.0	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
2,4,5-Trichlorophenol	NA	ND		2.0	ND		2.0	ND		2.0	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
2,4,6-Trichlorophenol	NA	ND		2.0	ND		2.0	ND		2.0	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
2,4-Dichlorophenol	1	ND		2.0	ND		2.0	ND		2.0	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
2,4-Dimethylphenol	1	ND		2.0	**3.3**		**2.0**	ND		2.0	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
2,4-Dinitrophenol	1	ND		10	ND		10	ND		10	ND		11	~		~	ND		10	~		~	ND		6.0	~		~	ND		5.8
2,4-Dinitrotoluene	5	ND		2.0	ND		2.0	ND		2.0	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
2,6-Dinitrotoluene	5	ND		2.0	ND		2.0	ND		2.0	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
2-Chloronaphthalene	10	ND		2.0	ND		2.0	ND		2.0	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
2-Chlorophenol	NA	ND		2.0	ND		2.0	ND		2.0	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
2-Methylnaphthalene	NA	ND		2.0	ND		2.0	ND		2.0	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
2-Methylphenol	NA	ND		0.50	ND		0.50	ND		0.50	ND		0.53	~		~	ND		0.51	~		~	ND		0.30	~		~	ND		0.29
2-Nitroaniline	5	ND		2.0	ND		2.0	ND		2.0	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
2-Nitrophenol	NA	ND		2.0	ND		2.0	ND		2.0	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
3&4-Methylphenol	NA	ND		0.50	ND		0.50	ND		0.50	ND		0.53	~		~	ND		0.51	~		~	ND		0.30	~		~	ND		0.29
3,3'-Dichlorobenzidine	5	ND		2.0	ND		2.0	ND		2.0	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
3-Nitroaniline	5	ND		2.0	ND		2.0	ND		2.0	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
4,6-Dinitro-2-methylphenol	NA	ND		10	ND		10	ND		2.0	ND		11	~		~	ND		10	~		~	ND		1.2	~		~	ND		1.2
4-Bromophenyl-phenylether	NA	ND		2.0	ND		2.0	ND		2.0	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
4-Chloro-3-methylphenol	NA	ND		2.0	ND		2.0	ND		2.0	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
4-Chloroaniline	5	ND		0.50	ND		0.50	ND		0.50	ND		0.53	~		~	ND		0.51	~		~	ND		0.30	~		~	ND		0.29
4-Chlorophenyl-phenylether	NA	ND		2.0	ND		2.0	ND		2.0	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
4-Nitroaniline	5	ND		2.0	ND		2.0	ND		2.0	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
4-Nitrophenol	NA	ND		2.0	ND		2.0	ND		2.0	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
Acenaphthene	20	ND		2.0	ND		2.0	ND		2.0	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
Acenaphthylene	NA	ND		2.0	ND		2.0	ND		2.0	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
Aniline	5	ND		2.0	ND		2.0	ND		2.0	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
Anthracene	50	ND		2.0	ND		2.0	2.6		2.0	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
Benzidine	5	ND		10	ND		10	ND		10	ND		11	~		~	ND		10	~		~	ND		6.0	~		~	ND		5.8
Benzo[a]anthracene	0.002	**2.5**		**2.0**	ND		2.0	**7.1**		**2.0**	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
Benzo[a]pyrene	ND	**2.6**		**2.0**	ND		2.0	**7.4**		**2.0**	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
Benzo[b]fluoranthene	0.002	**4.5**		**2.0**	ND		2.0	**8.6**		**2.0**	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
Benzo[g,h,i]perylene	NA	ND		2.0	ND		2.0	5.2		2.0	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
Benzo[k]fluoranthene	0.002	ND		2.0	ND		2.0	**3.4**		**2.0**	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
Benzoic acid	NA	ND		10	ND		10	190		5.8	ND		11	~		~	ND		10	~		~	ND		6.0	~		~	ND		5.8
bis(2-Chloroethoxy)methane	5	ND		2.0	ND		2.0	ND		2.0	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
bis(2-Chloroethyl)ether	1	ND		0.50	ND		0.50	ND		0.50	ND		0.53	~		~	ND		0.51	~		~	ND		0.30	~		~	ND		0.29
bis(2-Chloroisopropyl)ether	5	ND		2.0	ND		2.0	ND		2.0	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
bis(2-Ethylhexyl)phthalate	5	ND		2.0	3.0		2.0	ND		2.0	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
Butylbenzylphthalate	50	ND		2.0	ND		2.0	ND		2.0	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
Carbazole	NA	ND		2.0	ND		2.0	ND		2.0	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
Chrysene	0.002	**2.8**		**2.0**	ND		2.0	**6.2**		**2.0**	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
Dibenzo[a,h]anthracene	NA	ND		2.0	ND		2.0	ND		2.0	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
Dibenzofuran	NA	ND		0.50	ND		0.50	ND		0.50	ND		0.53	~		~	ND		0.51	~		~	ND		0.30	~		~	ND		0.29
Diethylphthalate	50	ND		2.0	ND		2.0	ND		2.0	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
Dimethylphthalate	50	ND		2.0	ND		2.0	ND		2.0	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
Di-n-butylphthalate	50	ND		0.50	ND		0.50	ND		0.50	ND		0.53	~		~	ND		0.51	~		~	ND		0.30	~		~	ND		0.29
Di-n-octylphthalate	50	ND		2.0	ND		2.0	ND		2.0	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2

TABLE 3
GROUNDWATER SAMPLING AND ANALYSES DATA SUMMARY
Proposed Self-Storage Facility
1538 Stillwell Avenue and 1540 Bassett Avenue
Bronx, Bronx County, New York

	SAMPLE ID:	TW-1			TW-2			B-5-GW			MW-1 U			MW-1 F			MW-2 U			MW-2 F			MW-3 U			MW-3 F			MW-3 DUPLICATE U		
	LAB ID:	AC62229-007			AC62229-008			AC64634-002			AC67271-001			AC67271-002			AC67271-003			AC67271-004			AC67271-005			AC67271-006			AC67271-007		
	COLLECTION DATE:	10/19/2011			10/19/2011			3/8/2012			7/24/2012			7/24/2012			7/24/2012			7/24/2012			7/24/2012			7/24/2012			7/24/2012		
	DEPTH TO GW:	8.0			9.0			10.0			7.00			7.00			9.26			9.26			9.30			9.30			9.30		
	SAMPLE MATRIX:	GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER		
ANALYTE	**TOGS**	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL
Fluoranthene	50	4.7		2.0	ND		2.0	11		2.0	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
Fluorene	50	ND		2.0	ND		2.0	ND		2.0	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
Hexachlorobenzene	0.04	ND		2.0	ND		2.0	ND		2.0	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
Hexachlorobutadiene	0.5	ND		2.0	ND		2.0	ND		2.0	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
Hexachlorocyclopentadiene	5	ND		2.0	ND		2.0	ND		2.0	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
Hexachloroethane	5	ND		2.0	ND		2.0	ND		2.0	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
Indeno[1,2,3-cd]pyrene	0.002	ND		2.0	ND		2.0	**4.8**		**2.0**	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
Isophorone	50	ND		2.0	ND		2.0	ND		2.0	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
Naphthalene	10	ND		0.50	6.6		0.50	ND		0.50	ND		0.53	~		~	ND		0.51	~		~	ND		0.30	~		~	ND		0.29
Nitrobenzene	0.4	ND		2.0	ND		2.0	ND		2.0	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
N-Nitrosodimethylamine	NA	ND		2.0	ND		2.0	ND		2.0	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
N-Nitroso-di-n-propylamine	NA	ND		0.50	ND		0.50	ND		0.50	ND		0.53	~		~	ND		0.51	~		~	ND		0.30	~		~	ND		0.29
N-Nitrosodiphenylamine	50	ND		2.0	ND		2.0	ND		2.0	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
Pentachlorophenol	1	ND		10	ND		10	ND		10	ND		11	~		~	ND		10	~		~	ND		6.0	~		~	ND		5.8
Phenanthrene	50	ND		2.0	ND		2.0	6.5		2.0	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
Phenol	1	ND		2.0	ND		2.0	ND		2.0	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
Pyrene	50	4.6		2.0	ND		2.0	12		2.0	ND		2.1	~		~	ND		2.0	~		~	ND		1.2	~		~	ND		1.2
METALS																															
Mercury	1.4	~		~	~		~	~		~	ND		0.70	ND		0.70	ND		0.70	ND		0.70	ND		0.70	ND		0.70	ND		0.70
Aluminum	2,000	~		~	~		~	~		~	**7,800**		**180**	ND		180	**3,900**		**180**	ND		180	**59,000**		**180**	450		180	**56,000**		**180**
Antimony	6	~		~	~		~	~		~	ND		12	ND		12	ND		12	ND		12	ND		12	ND		12	ND		12
Arsenic	50	~		~	~		~	~		~	ND		7.5	ND		7.5	ND		7.5	ND		7.5	9.9		7.5	ND		7.5	10		7.5
Barium	2,000	~		~	~		~	~		~	240		50	97		50	240		50	150		50	800		50	81		50	780		50
Beryllium	3	~		~	~		~	~		~	ND		4.0	ND		4.0	ND		4.0	ND		4.0	**7.6**		**4.0**	ND		4.0	**7.3**		**4.0**
Cadmium	10	~		~	~		~	~		~	ND		3.5	ND		3.5	ND		3.5	ND		3.5	ND		3.5	ND		3.5	ND		3.5
Calcium	NA	~		~	~		~	~		~	74,000		2,000	73,000		2,000	79,000		2,000	75,000		2,000	110,000		2,000	89,000		2,000	110,000		2,000
Chromium	100	~		~	~		~	~		~	ND		50	ND		50	ND		50	ND		50	**110**		**50**	ND		50	**110**		**50**
Cobalt	NA	~		~	~		~	~		~	ND		20	ND		20	ND		20	ND		20	33		20	ND		20	33		20
Copper	1,000	~		~	~		~	~		~	ND		50	ND		50	ND		50	ND		50	160		50	ND		50	160		50
Iron	600	~		~	~		~	~		~	**11,000**		**280**	ND		280	**5,700**		**280**	ND		280	**92,000**		**280**	410		280	**89,000**		**280**
Lead	50	~		~	~		~	~		~	9.9		4.0	ND		4.0	4.7		4.0	ND		4.0	**250**		**4.0**	ND		4.0	**250**		**4.0**
Magnesium	35,000	~		~	~		~	~		~	**36,000**		**2,000**	34,000		2,000	29,000		2,000	27,000		2,000	**54,000**		**2,000**	**46,000**		**2,000**	**54,000**		**2,000**
Manganese	600	~		~	~		~	~		~	310		40	86		40	**1,800**		**40**	**1,600**		**40**	**2,900**		**40**	**810**		**40**	**2,800**		**40**
Nickel	200	~		~	~		~	~		~	ND		50	ND		50	ND		50	ND		50	81		50	ND		50	79		50
Potassium	NA	~		~	~		~	~		~	12,000		5,000	8,500		5,000	14,000		5,000	10,000		5,000	26,000		5,000	11,000		5,000	25,000		5,000
Selenium	20	~		~	~		~	~		~	ND		40	ND		40	ND		40	ND		40	ND		40	ND		40	ND		40
Silver	100	~		~	~		~	~		~	ND		20	ND		20	ND		20	ND		20	ND		20	ND		20	ND		20
Sodium	NA	~		~	~		~	~		~	150,000		5,000	150,000		5,000	160,000		5,000	160,000		5,000	120,000		5,000	120,000		5,000	120,000		5,000
Thallium	0.5	~		~	~		~	~		~	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
Vanadium	NA	~		~	~		~	~		~	ND		50	ND		50	ND		50	ND		50	93		50	ND		50	91		50
Zinc	5,000	~		~	~		~	~		~	ND		50	ND		50	ND		50	ND		50	180		50	ND		50	170		50
POLYCHLORINATED BIPHENYLS (PCBs)																															
Aroclor (Total)	0.9	~		~	~		~	~		~	ND		0.25	~		~	ND		0.26	~		~	ND		0.26	~		~	ND		0.16
Aroclor-1016	0.9	~		~	~		~	~		~	ND		0.25	~		~	ND		0.26	~		~	ND		0.26	~		~	ND		0.16
Aroclor-1221	0.9	~		~	~		~	~		~	ND		0.25	~		~	ND		0.26	~		~	ND		0.26	~		~	ND		0.16
Aroclor-1232	0.9	~		~	~		~	~		~	ND		0.25	~		~	ND		0.26	~		~	ND		0.26	~		~	ND		0.16
Aroclor-1242	0.9	~		~	~		~	~		~	ND		0.25	~		~	ND		0.26	~		~	ND		0.26	~		~	ND		0.16
Aroclor-1248	0.9	~		~	~		~	~		~	ND		0.25	~		~	ND		0.26	~		~	ND		0.26	~		~	ND		0.16
Aroclor-1254	0.9	~		~	~		~	~		~	ND		0.25	~		~	ND		0.26	~		~	ND		0.26	~		~	ND		0.16
Aroclor-1260	0.9	~		~	~		~	~		~	ND		0.25	~		~	ND		0.26	~		~	ND		0.26	~		~	ND		0.16
Aroclor-1262	0.9	~		~	~		~	~		~	ND		0.25	~		~	ND		0.26	~		~	ND		0.26	~		~	ND		0.16
Aroclor-1268	0.9	~		~	~		~	~		~	ND		0.25	~		~	ND		0.26	~		~	ND		0.26	~		~	ND		0.16
PESTICIDES																															
Aldrin	ND	~		~	~		~	~		~	ND		0.010	~		~	ND		0.011	~		~	ND		0.011	~		~	ND		0.0065
Alpha-BHC	NA	~		~	~		~	~		~	ND		0.010	~		~	ND		0.011	~		~	ND		0.011	~		~	ND		0.0065

TABLE 3
GROUNDWATER SAMPLING AND ANALYSES DATA SUMMARY
Proposed Self-Storage Facility
1538 Stillwell Avenue and 1540 Bassett Avenue
Bronx, Bronx County, New York

	SAMPLE ID:	TW-1			TW-2			B-5-GW			MW-1 U			MW-1 F			MW-2 U			MW-2 F			MW-3 U			MW-3 F			MW-3 DUPLICATE U		
	LAB ID:	AC62229-007			AC62229-008			AC64634-002			AC67271-001			AC67271-002			AC67271-003			AC67271-004			AC67271-005			AC67271-006			AC67271-007		
	COLLECTION DATE:	10/19/2011			10/19/2011			3/8/2012			7/24/2012			7/24/2012			7/24/2012			7/24/2012			7/24/2012			7/24/2012			7/24/2012		
	DEPTH TO GW:	8.0			9.0			10.0			7.00			7.00			9.26			9.26			9.30			9.30			9.30		
	SAMPLE MATRIX:	GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER		
ANALYTE	**TOGS**	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL
beta-BHC	NA	~		~	~		~	~		~	ND		0.010	~		~	ND		0.011	~		~	ND		0.011	~		~	ND		0.0065
Chlordane	0.05	~		~	~		~	~		~	ND		0.10	~		~	ND		0.11	~		~	ND		0.11	~		~	ND		0.065
delta-BHC	NA	~		~	~		~	~		~	ND		0.010	~		~	ND		0.011	~		~	ND		0.011	~		~	ND		0.0065
Dieldrin	0.004	~		~	~		~	~		~	ND		0.010	~		~	ND		0.011	~		~	ND		0.011	~		~	ND		0.0065
Endosulfan I	NA	~		~	~		~	~		~	ND		0.010	~		~	ND		0.011	~		~	ND		0.011	~		~	ND		0.0065
Endosulfan II	NA	~		~	~		~	~		~	ND		0.010	~		~	ND		0.011	~		~	ND		0.011	~		~	ND		0.0065
Endosulfan Sulfate	NA	~		~	~		~	~		~	ND		0.010	~		~	ND		0.011	~		~	ND		0.011	~		~	ND		0.0065
Endrin	ND	~		~	~		~	~		~	ND		0.010	~		~	ND		0.011	~		~	ND		0.011	~		~	ND		0.0065
Endrin Aldehyde	5	~		~	~		~	~		~	ND		0.010	~		~	ND		0.011	~		~	ND		0.011	~		~	ND		0.0065
Endrin Ketone	5	~		~	~		~	~		~	ND		0.010	~		~	ND		0.011	~		~	ND		0.011	~		~	ND		0.0065
gamma-BHC	NA	~		~	~		~	~		~	ND		0.010	~		~	ND		0.011	~		~	ND		0.011	~		~	ND		0.0065
Heptachlor	0.04	~		~	~		~	~		~	ND		0.010	~		~	ND		0.011	~		~	ND		0.011	~		~	ND		0.0065
Heptachlor Epoxide	0.03	~		~	~		~	~		~	ND		0.010	~		~	ND		0.011	~		~	ND		0.011	~		~	ND		0.0065
Methoxychlor	35	~		~	~		~	~		~	ND		0.010	~		~	ND		0.011	~		~	ND		0.011	~		~	ND		0.0065
p,p'-DDD	0.3	~		~	~		~	~		~	ND		0.010	~		~	ND		0.011	~		~	ND		0.011	~		~	ND		0.0065
p,p'-DDE	0.2	~		~	~		~	~		~	ND		0.010	~		~	ND		0.011	~		~	ND		0.011	~		~	ND		0.0065
p,p'-DDT	0.2	~		~	~		~	~		~	ND		0.010	~		~	ND		0.011	~		~	ND		0.011	~		~	ND		0.0065
Toxaphene	0.06	~		~	~		~	~		~	ND		0.25	~		~	ND		0.26	~		~	ND		0.26	~		~	ND		0.16

Notes:
Shaded and bold value indicates an exceedence of the NYSDEC TOGS
All results reported in parts per billion (ppb or ug/L)
Depth to groundwater reported in feet below ground surface (fbgs) or feet below top of casing (fbtoc)
TOGS - NYSDEC Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards
Flg - Data Qualifier
RL - Laboratory Reporting Limit
ND - Not Detected Exceeding RL
NA - No Applicable NYSDEC TOGS
U - Unfiltered Sample
F - Filtered Sample (Metals Only)
~ - Not analyzed for this compound

TABLE 3
GROUNDWATER SAMPLING AND ANALYSES DATA SUMMARY
Proposed Self-Storage Facility
1538 Stillwell Avenue and 1540 Bassett Avenue
Bronx, Bronx County, New York

	SAMPLE ID:	MW-3 DUPLICATE F			MW-4 U			MW-4 F			TRIP BLANK			FIELD BLANK U			FIELD BLANK F			MW-1			MW-2			MW-3		
	LAB ID:	AC67271-008			AC67271-009			AC67271-010			AC67271-011			AC67271-012			AC67271-013			AC69212-001			AC69212-002			AC69212-003		
	COLLECTION DATE:	7/24/2012			7/24/2012			7/24/2012			7/24/2012			7/24/2012			7/24/2012			11/12/2012			11/12/2012			11/12/2012		
	DEPTH TO GW:	9.30			13.21			13.21			---			---			---			7.22			9.55			9.66		
	SAMPLE MATRIX:	GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER		
ANALYTE	**TOGS**	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL
VOLATILE ORGANICS (VOs)																												
1,1,1-Trichloroethane	5	~		~	ND		1.0	~		~	ND		1.0	ND		1.0	~		~	ND		1.0	ND		1.0	ND		1.0
1,1,2,2-Tetrachloroethane	5	~		~	ND		1.0	~		~	ND		1.0	ND		1.0	~		~	ND		1.0	ND		1.0	ND		1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	5	~		~	ND		1.0	~		~	ND		1.0	ND		1.0	~		~	ND		1.0	ND		1.0	ND		1.0
1,1,2-Trichloroethane	1	~		~	ND		1.0	~		~	ND		1.0	ND		1.0	~		~	ND		1.0	ND		1.0	ND		1.0
1,1-Dichloroethane	5	~		~	ND		1.0	~		~	ND		1.0	ND		1.0	~		~	ND		1.0	ND		1.0	ND		1.0
1,1-Dichloroethene	5	~		~	ND		1.0	~		~	ND		1.0	ND		1.0	~		~	ND		1.0	ND		1.0	ND		1.0
1,2,3-Trichloropropane	NA	~		~	ND		1.0	~		~	ND		1.0	ND		1.0	~		~	ND		1.0	ND		1.0	ND		1.0
1,2,4-Trimethylbenzene	5	~		~	ND		1.0	~		~	ND		1.0	ND		1.0	~		~	ND		1.0	ND		1.0	ND		1.0
1,2-Dichlorobenzene	3	~		~	ND		1.0	~		~	ND		1.0	ND		1.0	~		~	ND		1.0	ND		1.0	ND		1.0
1,2-Dichloroethane	0.6	~		~	ND		0.50	~		~	ND		0.50	ND		0.50	~		~	ND		0.50	ND		0.50	ND		0.50
1,2-Dichloropropane	1	~		~	ND		1.0	~		~	ND		1.0	ND		1.0	~		~	ND		1.0	ND		1.0	ND		1.0
1,3,5-Trimethylbenzene	5	~		~	ND		1.0	~		~	ND		1.0	ND		1.0	~		~	ND		1.0	ND		1.0	ND		1.0
1,3-Dichlorobenzene	3	~		~	ND		1.0	~		~	ND		1.0	ND		1.0	~		~	ND		1.0	ND		1.0	ND		1.0
1,3-Dichloropropane	NA	~		~	ND		1.0	~		~	ND		1.0	ND		1.0	~		~	ND		1.0	ND		1.0	ND		1.0
1,4-Dichlorobenzene	3	~		~	ND		1.0	~		~	ND		1.0	ND		1.0	~		~	ND		1.0	ND		1.0	ND		1.0
1,4-Dioxane	NA	~		~	ND		50	~		~	ND		50	ND		50	~		~	ND		50	ND		50	ND		50
2-Butanone	NA	~		~	ND		1.0	~		~	ND		1.0	ND		1.0	~		~	ND		1.0	ND		1.0	ND		1.0
2-Chloroethylvinylether	NA	~		~	ND		1.0	~		~	ND		1.0	ND		1.0	~		~	ND		1.0	ND		1.0	ND		1.0
2-Hexanone	50	~		~	ND		1.0	~		~	ND		1.0	ND		1.0	~		~	ND		1.0	ND		1.0	ND		1.0
4-Isopropyltoluene	5	~		~	ND		1.0	~		~	ND		1.0	ND		1.0	~		~	ND		1.0	ND		1.0	ND		1.0
4-Methyl-2-pentanone	NA	~		~	ND		1.0	~		~	ND		1.0	ND		1.0	~		~	ND		1.0	ND		1.0	ND		1.0
Acetone	50	~		~	ND		10	~		~	ND		10	ND		10	~		~	ND		10	ND		10	ND		10
Acrolein	5	~		~	ND		5.0	~		~	ND		5.0	ND		5.0	~		~	ND		5.0	ND		5.0	ND		5.0
Acrylonitrile	5	~		~	ND		2.0	~		~	ND		2.0	ND		2.0	~		~	ND		2.0	ND		2.0	ND		2.0
Benzene	1	~		~	ND		0.50	~		~	ND		0.50	ND		0.50	~		~	ND		0.50	ND		0.50	ND		0.50
Bromodichloromethane	50	~		~	ND		1.0	~		~	ND		1.0	ND		1.0	~		~	ND		1.0	ND		1.0	ND		1.0
Bromoform	50	~		~	ND		1.0	~		~	ND		1.0	ND		1.0	~		~	ND		1.0	ND		1.0	ND		1.0
Bromomethane	5	~		~	ND		1.0	~		~	ND		1.0	ND		1.0	~		~	ND		1.0	ND		1.0	ND		1.0
Carbon disulfide	60	~		~	ND		1.0	~		~	ND		1.0	ND		1.0	~		~	ND		1.0	ND		1.0	ND		1.0
Carbon tetrachloride	5	~		~	ND		1.0	~		~	ND		1.0	ND		1.0	~		~	ND		1.0	ND		1.0	ND		1.0
Chlorobenzene	5	~		~	ND		1.0	~		~	ND		1.0	ND		1.0	~		~	ND		1.0	ND		1.0	ND		1.0
Chloroethane	5	~		~	ND		1.0	~		~	ND		1.0	ND		1.0	~		~	ND		1.0	ND		1.0	ND		1.0
Chloroform	7	~		~	ND		1.0	~		~	ND		1.0	ND		1.0	~		~	ND		1.0	ND		1.0	ND		1.0
Chloromethane	5	~		~	ND		1.0	~		~	ND		1.0	ND		1.0	~		~	ND		1.0	ND		1.0	ND		1.0
cis-1,2-Dichloroethene	5	~		~	ND		1.0	~		~	ND		1.0	ND		1.0	~		~	**13**		**1.0**	**7.6**		**1.0**	ND		1.0
cis-1,3-Dichloropropene	0.4	~		~	ND		1.0	~		~	ND		1.0	ND		1.0	~		~	ND		1.0	ND		1.0	ND		1.0
Dibromochloromethane	50	~		~	ND		1.0	~		~	ND		1.0	ND		1.0	~		~	ND		1.0	ND		1.0	ND		1.0
Dichlorodifluoromethane	5	~		~	ND		1.0	~		~	ND		1.0	ND		1.0	~		~	ND		1.0	ND		1.0	ND		1.0
Ethylbenzene	5	~		~	ND		1.0	~		~	ND		1.0	ND		1.0	~		~	ND		1.0	ND		1.0	ND		1.0
Isopropylbenzene	5	~		~	ND		1.0	~		~	ND		1.0	ND		1.0	~		~	ND		1.0	ND		1.0	ND		1.0
m&p-Xylenes	5	~		~	ND		1.0	~		~	ND		1.0	ND		1.0	~		~	ND		1.0	ND		1.0	ND		1.0
Methylene chloride	5	~		~	ND		1.0	~		~	ND		1.0	ND		1.0	~		~	ND		1.0	ND		1.0	ND		1.0
Methyl-t-butyl ether	10	~		~	ND		0.50	~		~	ND		0.50	ND		0.50	~		~	ND		0.50	ND		0.50	ND		0.50
n-Butylbenzene	5	~		~	ND		1.0	~		~	ND		1.0	ND		1.0	~		~	ND		1.0	ND		1.0	ND		1.0
n-Propylbenzene	5	~		~	ND		1.0	~		~	ND		1.0	ND		1.0	~		~	ND		1.0	ND		1.0	ND		1.0
o-Xylene	5	~		~	ND		1.0	~		~	ND		1.0	ND		1.0	~		~	ND		1.0	ND		1.0	ND		1.0
sec-Butylbenzene	5	~		~	ND		1.0	~		~	ND		1.0	ND		1.0	~		~	ND		1.0	ND		1.0	ND		1.0
Styrene	930	~		~	ND		1.0	~		~	ND		1.0	ND		1.0	~		~	ND		1.0	ND		1.0	ND		1.0
t-Butyl Alcohol	NA	~		~	ND		5.0	~		~	ND		5.0	ND		5.0	~		~	ND		5.0	ND		5.0	ND		5.0
t-Butylbenzene	5	~		~	ND		1.0	~		~	ND		1.0	ND		1.0	~		~	ND		1.0	ND		1.0	ND		1.0
Tetrachloroethene	5	~		~	ND		1.0	~		~	ND		1.0	ND		1.0	~		~	ND		1.0	**51**		**1.0**	4.7		1.0
Toluene	5	~		~	ND		1.0	~		~	ND		1.0	ND		1.0	~		~	ND		1.0	ND		1.0	ND		1.0
Trans-1,2-dichloroethene	5	~		~	ND		1.0	~		~	ND		1.0	ND		1.0	~		~	ND		1.0	ND		1.0	ND		1.0

TABLE 3
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Proposed Self-Storage Facility
1538 Stillwell Avenue and 1540 Bassett Avenue
Bronx, Bronx County, New York

WHITESTONE ASSOCIATES, INC.	**SAMPLE ID:**	MW-3 DUPLICATE F			MW-4 U			MW-4 F			TRIP BLANK			FIELD BLANK U			FIELD BLANK F			MW-1			MW-2			MW-3		
	LAB ID:	AC67271-008			AC67271-009			AC67271-010			AC67271-011			AC67271-012			AC67271-013			AC69212-001			AC69212-002			AC69212-003		
	COLLECTION DATE:	7/24/2012			7/24/2012			7/24/2012			7/24/2012			7/24/2012			7/24/2012			11/12/2012			11/12/2012			11/12/2012		
	DEPTH TO GW:	9.30			13.21			13.21			---			---			---			7.22			9.55			9.66		
	SAMPLE MATRIX:	GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER		
ANALYTE	**TOGS**	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL
Trans-1,3-dichloropropene	0.4	~		~	ND		1.0	~		~	ND		1.0	ND		1.0	~		~	ND		1.0	ND		1.0	ND		1.0
Trichloroethene	5	~		~	2.1		1.0	~		~	ND		1.0	ND		1.0	~		~	**9.8**		**1.0**	**66**		**1.0**	**40**		**1.0**
Trichlorofluoromethane	5	~		~	ND		1.0	~		~	ND		1.0	ND		1.0	~		~	ND		1.0	ND		1.0	ND		1.0
Vinyl chloride	2	~		~	ND		1.0	~		~	ND		1.0	ND		1.0	~		~	ND		1.0	ND		1.0	ND		1.0
Xylenes (Total)	5	~		~	ND		1.0	~		~	ND		1.0	ND		1.0	~		~	ND		1.0	ND		1.0	ND		1.0
SEMI-VOLATILE ORGANICS (SVOs)																												
1,2-Diphenylhydrazine	ND	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
2,4,5-Trichlorophenol	NA	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
2,4,6-Trichlorophenol	NA	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
2,4-Dichlorophenol	1	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
2,4-Dimethylphenol	1	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
2,4-Dinitrophenol	1	~		~	ND		11	~		~	~		~	ND		11	~		~	~		~	~		~	~		~
2,4-Dinitrotoluene	5	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
2,6-Dinitrotoluene	5	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
2-Chloronaphthalene	10	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
2-Chlorophenol	NA	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
2-Methylnaphthalene	NA	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
2-Methylphenol	NA	~		~	ND		0.53	~		~	~		~	ND		0.56	~		~	~		~	~		~	~		~
2-Nitroaniline	5	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
2-Nitrophenol	NA	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
3&4-Methylphenol	NA	~		~	ND		0.53	~		~	~		~	ND		0.56	~		~	~		~	~		~	~		~
3,3'-Dichlorobenzidine	5	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
3-Nitroaniline	5	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
4,6-Dinitro-2-methylphenol	NA	~		~	ND		11	~		~	~		~	ND		11	~		~	~		~	~		~	~		~
4-Bromophenyl-phenylether	NA	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
4-Chloro-3-methylphenol	NA	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
4-Chloroaniline	5	~		~	ND		0.53	~		~	~		~	ND		0.56	~		~	~		~	~		~	~		~
4-Chlorophenyl-phenylether	NA	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
4-Nitroaniline	5	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
4-Nitrophenol	NA	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
Acenaphthene	20	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
Acenaphthylene	NA	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
Aniline	5	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
Anthracene	50	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
Benzidine	5	~		~	ND		11	~		~	~		~	ND		11	~		~	~		~	~		~	~		~
Benzo[a]anthracene	0.002	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
Benzo[a]pyrene	ND	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
Benzo[b]fluoranthene	0.002	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
Benzo[g,h,i]perylene	NA	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
Benzo[k]fluoranthene	0.002	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
Benzoic acid	NA	~		~	ND		11	~		~	~		~	ND		11	~		~	~		~	~		~	~		~
bis(2-Chloroethoxy)methane	5	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
bis(2-Chloroethyl)ether	1	~		~	ND		0.53	~		~	~		~	ND		0.56	~		~	~		~	~		~	~		~
bis(2-Chloroisopropyl)ether	5	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
bis(2-Ethylhexyl)phthalate	5	~		~	**5.9**		**2.1**	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
Butylbenzylphthalate	50	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
Carbazole	NA	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
Chrysene	0.002	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
Dibenzo[a,h]anthracene	NA	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
Dibenzofuran	NA	~		~	ND		0.53	~		~	~		~	ND		0.56	~		~	~		~	~		~	~		~
Diethylphthalate	50	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
Dimethylphthalate	50	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
Di-n-butylphthalate	50	~		~	ND		0.53	~		~	~		~	ND		0.56	~		~	~		~	~		~	~		~
Di-n-octylphthalate	50	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~

TABLE 3
GROUNDWATER SAMPLING AND ANALYSES DATA SUMMARY
Proposed Self-Storage Facility
1538 Stillwell Avenue and 1540 Bassett Avenue
Bronx, Bronx County, New York

WHITESTONE ASSOCIATES, INC.	**SAMPLE ID:**	MW-3 DUPLICATE F			MW-4 U			MW-4 F			TRIP BLANK			FIELD BLANK U			FIELD BLANK F			MW-1			MW-2			MW-3		
	LAB ID:	AC67271-008			AC67271-009			AC67271-010			AC67271-011			AC67271-012			AC67271-013			AC69212-001			AC69212-002			AC69212-003		
	COLLECTION DATE:	7/24/2012			7/24/2012			7/24/2012			7/24/2012			7/24/2012			7/24/2012			11/12/2012			11/12/2012			11/12/2012		
	DEPTH TO GW:	9.30			13.21			13.21			---			---			---			7.22			9.55			9.66		
	SAMPLE MATRIX:	GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER		
ANALYTE	**TOGS**	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL
Fluoranthene	50	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
Fluorene	50	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
Hexachlorobenzene	0.04	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
Hexachlorobutadiene	0.5	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
Hexachlorocyclopentadiene	5	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
Hexachloroethane	5	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
Indeno[1,2,3-cd]pyrene	0.002	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
Isophorone	50	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
Naphthalene	10	~		~	ND		0.53	~		~	~		~	ND		0.56	~		~	~		~	~		~	~		~
Nitrobenzene	0.4	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
N-Nitrosodimethylamine	NA	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
N-Nitroso-di-n-propylamine	NA	~		~	ND		0.53	~		~	~		~	ND		0.56	~		~	~		~	~		~	~		~
N-Nitrosodiphenylamine	50	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
Pentachlorophenol	1	~		~	ND		11	~		~	~		~	ND		11	~		~	~		~	~		~	~		~
Phenanthrene	50	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
Phenol	1	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
Pyrene	50	~		~	ND		2.1	~		~	~		~	ND		2.2	~		~	~		~	~		~	~		~
METALS																												
Mercury	1.4	ND		0.70	ND		0.70	ND		0.70	~		~	ND		0.70	ND		0.70	~		~	~		~	~		~
Aluminum	2,000	ND		180	**9,500**		**180**	ND		180	~		~	ND		180	ND		180	~		~	~		~	~		~
Antimony	6	ND		12	ND		12	ND		12	~		~	ND		12	ND		12	~		~	~		~	~		~
Arsenic	50	ND		7.5	ND		7.5	ND		7.5	~		~	ND		7.5	ND		7.5	~		~	~		~	~		~
Barium	2,000	79		50	250		50	ND		50	~		~	ND		50	ND		50	~		~	~		~	~		~
Beryllium	3	ND		4.0	ND		4.0	ND		4.0	~		~	ND		4.0	ND		4.0	~		~	~		~	~		~
Cadmium	10	ND		3.5	ND		3.5	ND		3.5	~		~	ND		3.5	ND		3.5	~		~	~		~	~		~
Calcium	NA	90,000		2,000	27,000		2,000	23,000		2,000	~		~	ND		2,000	ND		2,000	~		~	~		~	~		~
Chromium	100	ND		50	ND		50	ND		50	~		~	ND		50	ND		50	~		~	~		~	~		~
Cobalt	NA	ND		20	ND		20	ND		20	~		~	ND		20	ND		20	~		~	~		~	~		~
Copper	1,000	ND		50	ND		50	ND		50	~		~	ND		50	ND		50	~		~	~		~	~		~
Iron	600	ND		280	**20,000**		**280**	**2,600**		**280**	~		~	ND		280	ND		280	~		~	~		~	~		~
Lead	50	ND		4.0	19		4.0	ND		4.0	~		~	ND		4.0	ND		4.0	~		~	~		~	~		~
Magnesium	35,000	**46,000**		**2,000**	19,000		2,000	15,000		2,000	~		~	ND		2,000	ND		2,000	~		~	~		~	~		~
Manganese	600	**850**		**40**	**930**		**40**	**740**		**40**	~		~	ND		40	ND		40	~		~	~		~	~		~
Nickel	200	ND		50	ND		50	ND		50	~		~	ND		50	ND		50	~		~	~		~	~		~
Potassium	NA	12,000		5,000	9,000		5,000	5,900		5,000	~		~	ND		5,000	ND		5,000	~		~	~		~	~		~
Selenium	20	ND		40	ND		40	ND		40	~		~	ND		40	ND		40	~		~	~		~	~		~
Silver	100	ND		20	ND		20	ND		20	~		~	ND		20	ND		20	~		~	~		~	~		~
Sodium	NA	130,000		5,000	82,000		5,000	75,000		5,000	~		~	ND		5,000	ND		5,000	~		~	~		~	~		~
Thallium	0.5	ND		10	ND		10	ND		10	~		~	ND		10	ND		10	~		~	~		~	~		~
Vanadium	NA	ND		50	ND		50	ND		50	~		~	ND		50	ND		50	~		~	~		~	~		~
Zinc	5,000	ND		50	50		50	ND		50	~		~	ND		50	ND		50	~		~	~		~	~		~
POLYCHLORINATED BIPHENYLS (PCBs)																												
Aroclor (Total)	0.9	~		~	ND		0.26	~		~	~		~	ND		0.26	~		~	~		~	~		~	~		~
Aroclor-1016	0.9	~		~	ND		0.26	~		~	~		~	ND		0.26	~		~	~		~	~		~	~		~
Aroclor-1221	0.9	~		~	ND		0.26	~		~	~		~	ND		0.26	~		~	~		~	~		~	~		~
Aroclor-1232	0.9	~		~	ND		0.26	~		~	~		~	ND		0.26	~		~	~		~	~		~	~		~
Aroclor-1242	0.9	~		~	ND		0.26	~		~	~		~	ND		0.26	~		~	~		~	~		~	~		~
Aroclor-1248	0.9	~		~	ND		0.26	~		~	~		~	ND		0.26	~		~	~		~	~		~	~		~
Aroclor-1254	0.9	~		~	ND		0.26	~		~	~		~	ND		0.26	~		~	~		~	~		~	~		~
Aroclor-1260	0.9	~		~	ND		0.26	~		~	~		~	ND		0.26	~		~	~		~	~		~	~		~
Aroclor-1262	0.9	~		~	ND		0.26	~		~	~		~	ND		0.26	~		~	~		~	~		~	~		~
Aroclor-1268	0.9	~		~	ND		0.26	~		~	~		~	ND		0.26	~		~	~		~	~		~	~		~
PESTICIDES																												
Aldrin	ND	~		~	ND		0.010	~		~	~		~	ND		0.010	~		~	~		~	~		~	~		~
Alpha-BHC	NA	~		~	ND		0.010	~		~	~		~	ND		0.010	~		~	~		~	~		~	~		~

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	SAMPLE ID:	MW-3 DUPLICATE F			MW-4 U			MW-4 F			TRIP BLANK			FIELD BLANK U			FIELD BLANK F			MW-1			MW-2			MW-3		
	LAB ID:	AC67271-008			AC67271-009			AC67271-010			AC67271-011			AC67271-012			AC67271-013			AC69212-001			AC69212-002			AC69212-003		
	COLLECTION DATE:	7/24/2012			7/24/2012			7/24/2012			7/24/2012			7/24/2012			7/24/2012			11/12/2012			11/12/2012			11/12/2012		
	DEPTH TO GW:	9.30			13.21			13.21			---			---			---			7.22			9.55			9.66		
	SAMPLE MATRIX:	GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER		
ANALYTE	**TOGS**	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL
beta-BHC	NA	~		~	ND		0.010	~		~	~		~	ND		0.010	~		~	~		~	~		~	~		~
Chlordane	0.05	~		~	ND		0.10	~		~	~		~	ND		0.10	~		~	~		~	~		~	~		~
delta-BHC	NA	~		~	ND		0.010	~		~	~		~	ND		0.010	~		~	~		~	~		~	~		~
Dieldrin	0.004	~		~	ND		0.010	~		~	~		~	ND		0.010	~		~	~		~	~		~	~		~
Endosulfan I	NA	~		~	ND		0.010	~		~	~		~	ND		0.010	~		~	~		~	~		~	~		~
Endosulfan II	NA	~		~	ND		0.010	~		~	~		~	ND		0.010	~		~	~		~	~		~	~		~
Endosulfan Sulfate	NA	~		~	ND		0.010	~		~	~		~	ND		0.010	~		~	~		~	~		~	~		~
Endrin	ND	~		~	ND		0.010	~		~	~		~	ND		0.010	~		~	~		~	~		~	~		~
Endrin Aldehyde	5	~		~	ND		0.010	~		~	~		~	ND		0.010	~		~	~		~	~		~	~		~
Endrin Ketone	5	~		~	ND		0.010	~		~	~		~	ND		0.010	~		~	~		~	~		~	~		~
gamma-BHC	NA	~		~	ND		0.010	~		~	~		~	ND		0.010	~		~	~		~	~		~	~		~
Heptachlor	0.04	~		~	ND		0.010	~		~	~		~	ND		0.010	~		~	~		~	~		~	~		~
Heptachlor Epoxide	0.03	~		~	ND		0.010	~		~	~		~	ND		0.010	~		~	~		~	~		~	~		~
Methoxychlor	35	~		~	ND		0.010	~		~	~		~	ND		0.010	~		~	~		~	~		~	~		~
p,p'-DDD	0.3	~		~	ND		0.010	~		~	~		~	ND		0.010	~		~	~		~	~		~	~		~
p,p'-DDE	0.2	~		~	ND		0.010	~		~	~		~	ND		0.010	~		~	~		~	~		~	~		~
p,p'-DDT	0.2	~		~	ND		0.010	~		~	~		~	ND		0.010	~		~	~		~	~		~	~		~
Toxaphene	0.06	~		~	ND		0.26	~		~	~		~	ND		0.26	~		~	~		~	~		~	~		~

Notes:
Shaded and bold value indicates an exceedence of the NYSDEC TOGS
All results reported in parts per billion (ppb or ug/L)
Depth to groundwater reported in feet below ground surface (fbgs) or feet below top of casing (fbtoc)
TOGS - NYSDEC Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards
Flg - Data Qualifier
RL - Laboratory Reporting Limit
ND - Not Detected Exceeding RL
NA - No Applicable NYSDEC TOGS
U - Unfiltered Sample
F - Filtered Sample (Metals Only)
~ - Not analyzed for this compound

TABLE 3
GROUNDWATER SAMPLING AND ANALYSES DATA SUMMARY
Proposed Self-Storage Facility
1538 Stillwell Avenue and 1540 Bassett Avenue
Bronx, Bronx County, New York

WHITESTONE ASSOCIATES INC.	**SAMPLE ID:**	MW-4			MW-4(D)			MW-5			MW-6			MW-7			FB			TB			MW-1			MW-2		
	LAB ID:	AC69212-004			AC69212-010			AC69212-005			AC69212-006			AC69212-007			AC69212-008			AC69212-009			AC69321-001			AC69321-002		
	COLLECTION DATE:	11/12/2012			11/12/2012			11/12/2012			11/12/2012			11/12/2012			11/12/2012			11/12/2012			11/16/2012			11/16/2012		
	DEPTH TO GW:	13.32			13.32			12.02			11.35			9.60			---			---			7.65			9.69		
	SAMPLE MATRIX:	GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			BLANK			BLANK			GROUNDWATER			GROUNDWATER		
ANALYTE	**TOGS**	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL
VOLATILE ORGANICS (VOs)																												
1,1,1-Trichloroethane	5	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
1,1,2,2-Tetrachloroethane	5	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	5	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
1,1,2-Trichloroethane	1	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
1,1-Dichloroethane	5	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
1,1-Dichloroethene	5	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
1,2,3-Trichloropropane	NA	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
1,2,4-Trimethylbenzene	5	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
1,2-Dichlorobenzene	3	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
1,2-Dichloroethane	0.6	ND		0.50	ND		0.50	ND		0.50	ND		0.50	ND		0.50	ND		0.50	ND		0.50	ND		0.50	ND		0.50
1,2-Dichloropropane	1	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
1,3,5-Trimethylbenzene	5	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
1,3-Dichlorobenzene	3	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
1,3-Dichloropropane	NA	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
1,4-Dichlorobenzene	3	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
1,4-Dioxane	NA	ND		50	ND		50	ND		50	ND		50	ND		50	ND		50	ND		50	ND		50	ND		50
2-Butanone	NA	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
2-Chloroethylvinylether	NA	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
2-Hexanone	50	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
4-Isopropyltoluene	5	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
4-Methyl-2-pentanone	NA	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
Acetone	50	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
Acrolein	5	ND		5.0	ND		5.0	ND		5.0	ND		5.0	ND		5.0	ND		5.0	ND		5.0	ND		5.0	ND		5.0
Acrylonitrile	5	ND		2.0	ND		2.0	ND		2.0	ND		2.0	ND		2.0	ND		2.0	ND		2.0	ND		2.0	ND		2.0
Benzene	1	ND		0.50	ND		0.50	ND		0.50	ND		0.50	ND		0.50	ND		0.50	ND		0.50	ND		0.50	ND		0.50
Bromodichloromethane	50	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
Bromoform	50	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
Bromomethane	5	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
Carbon disulfide	60	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
Carbon tetrachloride	5	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
Chlorobenzene	5	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
Chloroethane	5	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
Chloroform	7	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
Chloromethane	5	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
cis-1,2-Dichloroethene	5	ND		1.0	ND		1.0	ND		1.0	3.1		1.0	ND		1.0	ND		1.0	ND		1.0	**10**		**1.0**	**7.9**		**1.0**
cis-1,3-Dichloropropene	0.4	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
Dibromochloromethane	50	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
Dichlorodifluoromethane	5	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
Ethylbenzene	5	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
Isopropylbenzene	5	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
m&p-Xylenes	5	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
Methylene chloride	5	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
Methyl-t-butyl ether	10	ND		0.50	0.51		0.50	ND		0.50	ND		0.50	ND		0.50	ND		0.50	ND		0.50	ND		0.50	ND		0.50
n-Butylbenzene	5	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
n-Propylbenzene	5	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
o-Xylene	5	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
sec-Butylbenzene	5	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
Styrene	930	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
t-Butyl Alcohol	NA	ND		5.0	ND		5.0	ND		5.0	ND		5.0	5.2		5.0	ND		5.0	ND		5.0	ND		5.0	ND		5.0
t-Butylbenzene	5	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
Tetrachloroethene	5	ND		1.0	ND		1.0	ND		1.0	**37**		**1.0**	ND		1.0	ND		1.0	ND		1.0	ND		1.0	**42**		**1.0**
Toluene	5	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
Trans-1,2-dichloroethene	5	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0

TABLE 3
GROUNDWATER SAMPLING AND ANALYSES DATA SUMMARY
Proposed Self-Storage Facility
1538 Stillwell Avenue and 1540 Bassett Avenue
Bronx, Bronx County, New York

	SAMPLE ID:	MW-4			MW-4(D)			MW-5			MW-6			MW-7			FB			TB			MW-1			MW-2		
	LAB ID:	AC69212-004			AC69212-010			AC69212-005			AC69212-006			AC69212-007			AC69212-008			AC69212-009			AC69321-001			AC69321-002		
	COLLECTION DATE:	11/12/2012			11/12/2012			11/12/2012			11/12/2012			11/12/2012			11/12/2012			11/12/2012			11/16/2012			11/16/2012		
	DEPTH TO GW:	13.32			13.32			12.02			11.35			9.60			---			---			7.65			9.69		
	SAMPLE MATRIX:	GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			BLANK			BLANK			GROUNDWATER			GROUNDWATER		
ANALYTE	**TOGS**	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL
Trans-1,3-dichloropropene	0.4	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
Trichloroethene	5	4.3		1.0	4.2		1.0	ND		1.0	**45**		**1.0**	ND		1.0	ND		1.0	ND		1.0	**8.0**		**1.0**	**53**		**1.0**
Trichlorofluoromethane	5	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
Vinyl chloride	2	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
Xylenes (Total)	5	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
SEMI-VOLATILE ORGANICS (SVOs)																												
1,2-Diphenylhydrazine	ND	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
2,4,5-Trichlorophenol	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
2,4,6-Trichlorophenol	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
2,4-Dichlorophenol	1	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
2,4-Dimethylphenol	1	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
2,4-Dinitrophenol	1	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
2,4-Dinitrotoluene	5	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
2,6-Dinitrotoluene	5	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
2-Chloronaphthalene	10	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
2-Chlorophenol	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
2-Methylnaphthalene	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
2-Methylphenol	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
2-Nitroaniline	5	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
2-Nitrophenol	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
3&4-Methylphenol	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
3,3'-Dichlorobenzidine	5	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
3-Nitroaniline	5	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
4,6-Dinitro-2-methylphenol	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
4-Bromophenyl-phenylether	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
4-Chloro-3-methylphenol	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
4-Chloroaniline	5	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
4-Chlorophenyl-phenylether	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
4-Nitroaniline	5	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
4-Nitrophenol	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Acenaphthene	20	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Acenaphthylene	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Aniline	5	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Anthracene	50	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Benzidine	5	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Benzo[a]anthracene	0.002	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Benzo[a]pyrene	ND	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Benzo[b]fluoranthene	0.002	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Benzo[g,h,i]perylene	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Benzo[k]fluoranthene	0.002	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Benzoic acid	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
bis(2-Chloroethoxy)methane	5	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
bis(2-Chloroethyl)ether	1	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
bis(2-Chloroisopropyl)ether	5	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
bis(2-Ethylhexyl)phthalate	5	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Butylbenzylphthalate	50	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Carbazole	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Chrysene	0.002	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Dibenzo[a,h]anthracene	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Dibenzofuran	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Diethylphthalate	50	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Dimethylphthalate	50	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Di-n-butylphthalate	50	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Di-n-octylphthalate	50	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~

TABLE 3
GROUNDWATER SAMPLING AND ANALYSES DATA SUMMARY
Proposed Self-Storage Facility
1538 Stillwell Avenue and 1540 Bassett Avenue
Bronx, Bronx County, New York

	SAMPLE ID:	MW-4			MW-4(D)			MW-5			MW-6			MW-7			FB			TB			MW-1			MW-2		
	LAB ID:	AC69212-004			AC69212-010			AC69212-005			AC69212-006			AC69212-007			AC69212-008			AC69212-009			AC69321-001			AC69321-002		
	COLLECTION DATE:	11/12/2012			11/12/2012			11/12/2012			11/12/2012			11/12/2012			11/12/2012			11/12/2012			11/16/2012			11/16/2012		
	DEPTH TO GW:	13.32			13.32			12.02			11.35			9.60			---			---			7.65			9.69		
	SAMPLE MATRIX:	GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			BLANK			BLANK			GROUNDWATER			GROUNDWATER		
ANALYTE	**TOGS**	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL
Fluoranthene	50	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Fluorene	50	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Hexachlorobenzene	0.04	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Hexachlorobutadiene	0.5	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Hexachlorocyclopentadiene	5	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Hexachloroethane	5	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Indeno[1,2,3-cd]pyrene	0.002	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Isophorone	50	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Naphthalene	10	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Nitrobenzene	0.4	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
N-Nitrosodimethylamine	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
N-Nitroso-di-n-propylamine	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
N-Nitrosodiphenylamine	50	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Pentachlorophenol	1	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Phenanthrene	50	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Phenol	1	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Pyrene	50	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
METALS																												
Mercury	1.4	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Aluminum	2,000	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Antimony	6	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Arsenic	50	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Barium	2,000	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Beryllium	3	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Cadmium	10	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Calcium	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Chromium	100	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Cobalt	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Copper	1,000	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Iron	600	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Lead	50	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Magnesium	35,000	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Manganese	600	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Nickel	200	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Potassium	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Selenium	20	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Silver	100	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Sodium	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Thallium	0.5	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Vanadium	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Zinc	5,000	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
POLYCHLORINATED BIPHENYLS (PCBs)																												
Aroclor (Total)	0.9	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1016	0.9	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1221	0.9	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1232	0.9	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1242	0.9	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1248	0.9	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1254	0.9	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1260	0.9	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1262	0.9	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1268	0.9	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
PESTICIDES																												
Aldrin	ND	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Alpha-BHC	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~

TABLE 3
GROUNDWATER SAMPLING AND ANALYSES DATA SUMMARY
Proposed Self-Storage Facility
1538 Stillwell Avenue and 1540 Bassett Avenue
Bronx, Bronx County, New York

	SAMPLE ID:	MW-4			MW-4(D)			MW-5			MW-6			MW-7			FB			TB			MW-1			MW-2		
	LAB ID:	AC69212-004			AC69212-010			AC69212-005			AC69212-006			AC69212-007			AC69212-008			AC69212-009			AC69321-001			AC69321-002		
	COLLECTION DATE:	11/12/2012			11/12/2012			11/12/2012			11/12/2012			11/12/2012			11/12/2012			11/12/2012			11/16/2012			11/16/2012		
	DEPTH TO GW:	13.32			13.32			12.02			11.35			9.60			---			---			7.65			9.69		
	SAMPLE MATRIX:	GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			GROUNDWATER			BLANK			BLANK			GROUNDWATER			GROUNDWATER		
ANALYTE	**TOGS**	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL
beta-BHC	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Chlordane	0.05	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
delta-BHC	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Dieldrin	0.004	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Endosulfan I	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Endosulfan II	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Endosulfan Sulfate	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Endrin	ND	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Endrin Aldehyde	5	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Endrin Ketone	5	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
gamma-BHC	NA	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Heptachlor	0.04	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Heptachlor Epoxide	0.03	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Methoxychlor	35	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
p,p'-DDD	0.3	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
p,p'-DDE	0.2	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
p,p'-DDT	0.2	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Toxaphene	0.06	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~

Notes:
Shaded and bold value indicates an exceedence of the NYSDEC TOGS
All results reported in parts per billion (ppb or ug/L)
Depth to groundwater reported in feet below ground surface (fbgs) or feet below top of casing (fbtoc)
TOGS - NYSDEC Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards
Flg - Data Qualifier
RL - Laboratory Reporting Limit
ND - Not Detected Exceeding RL
NA - No Applicable NYSDEC TOGS
U - Unfiltered Sample
F - Filtered Sample (Metals Only)
~ - Not analyzed for this compound

TABLE 4
Soil Vapor Sampling and Analyses Data Summary

TABLE 4
SOIL VAPOR SAMPLING AND ANALYSES DATA SUMMARY
Proposed Self-Storage Facility
1538 Stillwell Avenue and 1540 Bassett Avenue
Bronx, Bronx County, New York

WHITESTONE ASSOCIATES, INC.	**SAMPLE ID:**	SV-1	SV-2	SV-3	SV-4	SV-5	SV-6	SV-6A	SV-7	SV-8
	LAB ID:	L1211766-01	L1211766-01	L1211766-02	L1211766-03	L1211766-04	L1212068-01	L1219979-01	L1211766-06	L1211766-07
	COLLECTION DATE:	6/29/2012	6/29/2012	6/29/2012	6/29/2012	6/29/2012	7/6/2012	11/5/2012	6/30/2012	6/30/2012
	Sample Matrix:	SOIL VAPOR	SOIL VAPOR	SOIL VAPOR	SOIL VAPOR	SOIL VAPOR	SOIL VAPOR	SOIL VAPOR	SOIL VAPOR	SOIL VAPOR
ANALYTE	**CasNum**	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILE ORGANICS (VOs)										
Propylene	115-07-1	66.1	119	74.5	77.1	15.8	86.7	31	50.2	30.3
Dichlorodifluoromethane	75-71-8	3.3 U	3.3 U	3.3 U	3.3 U	4.58	36.7 U	9.89 U	9.89 U	3.41
Chloromethane	74-87-3	1.38 U	1.38 U	1.38 U	1.38 U	1.38 U	15.3 U	4.13 U	4.13 U	1.38 U
Freon-114	76-14-2	4.66 U	4.66 U	4.66 U	4.66 U	4.66 U	51.9 U	14 U	14 U	4.66 U
Vinyl chloride	75-01-4	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	19 U	11.3	5.11 U	1.7 U
1,3-Butadiene	106-99-0	6.97	11.2	5.46	7.37	1.48 U	16.4 U	4.42 U	4.42 U	3.03
Bromomethane	74-83-9	2.59 U	2.59 U	2.59 U	2.59 U	2.59 U	28.8 U	7.77 U	7.77 U	2.59 U
Chloroethane	75-00-3	1.76 U	1.76 U	1.76 U	1.76 U	1.76 U	19.6 U	5.28 U	5.28 U	1.76 U
Ethanol	64-17-5	15.7 U	117	15.7 U	1,110	25.8	175 U	47.1 U	47.1 U	15.7 U
Vinyl bromide	593-60-2	2.92 U	2.92 U	2.92 U	2.92U	2.92 U	32.4 U	8.74 U	8.74 U	2.92 U
Acetone	67-64-1	56.3	103	78.4	170	442	200	297	122	185
Trichlorofluoromethane	75-69-4	15.2	3.75 U	3.75 U	3.75 U	6.29	41.7 U	11.2 U	11.2 U	3.75 U
Isopropanol	67-63-0	4.1 U	27.3	4.1 U	8.06	4.1 U	45.7 U	12.3 U	12.3 U	4.1 U
1,1-Dichloroethene	75-35-4	2.64 U	2.64 U	2.64 U	2.64 U	2.64 U	29.4 U	13.4	7.93 U	2.64 U
Methylene chloride	75-09-2	11.6 U	11.6 U	11.6 U	11.6 U	11.6 U	129 U	34.7 U	34.7 U	11.6 U
3-Chloropropene	107-05-1	2.09 U	2.09 U	2.09 U	2.09 U	2.09 U	23.2 U	6.26 U	6.26 U	2.09 U
Carbon disulfide	75-15-0	10.1	11.3	4.8	5.51	2.08 U	63.8	6.23 U	6.23 U	5.39
Freon-113	76-13-1	5.11 U	5.11 U	5.11 U	5.11 U	5.11 U	56.9 U	15.3 U	15.3 U	5.11 U
trans-1,2-Dichloroethene	156-60-5	2.64 U	2.64 U	2.64 U	2.64 U	2.64 U	591	293	7.93 U	2.64 U
1,1-Dichloroethane	75-34-3	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	43.3	28.5	43.3	2.7 U
Methyl tert butyl ether	1634-04-4	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	26.8 U	7.21 U	7.21 U	2.4 U
Vinyl acetate	108-05-4	2.35 U	2.35 U	2.35 U	2.35 U	2.35 U	26.1 U	7.04 U	7.04 U	2.35 U
2-Butanone	78-93-3	17.3	18	19.6	54.8	27.6	57.5	34.2	16.4	15
cis-1,2-Dichloroethene	156-59-2	2.64 U	2.64 U	2.64 U	2.64 U	3.18	13,800	6,740	67	2.78
Ethyl Acetate	141-78-6	6.02 U	6.02 U	6.02 U	6.02 U	6.02 U	67 U	18 U	18 U	6.02 U
Chloroform	67-66-3	18.1	30.8	3.26 U	3.26 U	25	135	116	52.7	21.1
Tetrahydrofuran	109-99-9	7.96	10.4	9.29	15	37.8	21.9 U	9.5	10.9	14.9
1,2-Dichloroethane	107-06-2	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	30 U	8.09 U	8.09 U	2.7 U
n-Hexane	110-54-3	26.2	40.2	25.5	39.5	32.5	166	26.1	29.7	18.6
1,1,1-Trichloroethane	71-55-6	21	30	3.64 U	17.8	5.4	86.2	85.1	**4,690**	3.64 U
Benzene	71-43-2	14.7	19.6	15.5	20.6	9.74	23.7 U	26.7	12.9	8.62
Carbon tetrachloride	56-23-5	4.2 U	4.2 U	4.2 U	4.2 U	4.2 U	46.7 U	12.6 U	**13.9**	4.2 U
Cyclohexane	110-82-7	6.64	7.57	6.99	9.81	10.3	25.5 U	6.88 U	7.81	8.23
1,2-Dichloropropane	78-87-5	3.08 U	3.08 U	3.08 U	3.08 U	3.08 U	34.3 U	9.24 U	9.24 U	3.08 U
Bromodichloromethane	75-27-4	4.47 U	4.47 U	4.47 U	4.47 U	4.47 U	49.7 U	13.4 U	13.4 U	4.47 U
1,4-Dioxane	123-91-1	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	26.7 U	7.21 U	7.21 U	2.4 U
Trichloroethene	79-01-6	5.07	3.58 U	35	3.98	**407**	**15,500**	**14,900**	**1,620**	67.7
2,2,4-Trimethylpentane	540-84-1	5.79	7.57	5.93	7.57	13.4	34.6 U	9.34 U	9.34 U	16.2
Heptane	142-82-5	19	29	18.4	46.7	22.2	120	18.9	35	11.1
cis-1,3-Dichloropropene	10061-01-5	3.03 U	3.03 U	3.03 U	3.03 U	3.03 U	33.7 U	9.08 U	9.08 U	3.03 U
4-Methyl-2-pentanone	108-10-1	2.73 U	4.18	2.73 U	3.33	45.1	30.4 U	8.2 U	8.2 U	2.73 U
trans-1,3-Dichloropropene	10061-02-6	3.03 U	3.03 U	3.03 U	3.03 U	3.03 U	33.7 U	9.08 U	9.08 U	3.03 U
1,1,2-Trichloroethane	79-00-5	3.64 U	3.64 U	3.64 U	3.64 U	3.64 U	40.5 U	10.9 U	10.9 U	3.64 U
Toluene	108-88-3	93.8	132	132	162	49.4	97.2	203	299	34
2-Hexanone	591-78-6	2.73 U	2.73 U	2.73 U	2.73 U	2.73 U	30.4 U	8.2 U	8.2 U	2.73 U
Dibromochloromethane	124-48-1	5.68 U	5.68 U	5.68 U	5.68 U	5.68 U	63.2 U	17 U	17 U	5.68 U
1,2-Dibromoethane	106-93-4	5.12 U	5.12 U	5.12 U	5.12 U	5.12 U	57 U	15.4 U	15.4 U	5.12 U

TABLE 4
SOIL VAPOR SAMPLING AND ANALYSES DATA SUMMARY
Proposed Self-Storage Facility
1538 Stillwell Avenue and 1540 Bassett Avenue
Bronx, Bronx County, New York

	SAMPLE ID:	SV-1	SV-2	SV-3	SV-4	SV-5	SV-6	SV-6A	SV-7	SV-8
	LAB ID:	L1211766-01	L1211766-01	L1211766-02	L1211766-03	L1211766-04	L1212068-01	L1219979-01	L1211766-06	L1211766-07
	COLLECTION DATE:	6/29/2012	6/29/2012	6/29/2012	6/29/2012	6/29/2012	7/6/2012	11/5/2012	6/30/2012	6/30/2012
	Sample Matrix:	SOIL VAPOR	SOIL VAPOR	SOIL VAPOR	SOIL VAPOR	SOIL VAPOR	SOIL VAPOR	SOIL VAPOR	SOIL VAPOR	SOIL VAPOR
ANALYTE	**CasNum**	Result	Result	Result	Result	Result	Result	Result	Result	Result
Tetrachloroethene	127-18-4	8	4.52 U	110	6.53	18.6	**6,710**	**6,780**	**2,560**	4.52 U
Chlorobenzene	108-90-7	3.07 U	3.07 U	3.07 U	3.07 U	3.07 U	34.2 U	9.21 U	9.21 U	3.07 U
Ethylbenzene	100-41-4	24.8	30.9	36.3	49.5	13.9	143	59.1	188	93.8
p/m-Xylene	179601-23-1	96	112	139	172	43.9	452	208	491	236
Bromoform	75-25-2	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	76.7 U	20.7 U	20.7 U	6.9 U
Styrene	100-42-5	2.84 U	2.84 U	2.84 U	2.84 U	2.84 U	31.6 U	8.52 U	8.52 U	2.84 U
1,1,2,2-Tetrachloroethane	79-34-5	4.58 U	4.58 U	4.58 U	4.58 U	4.58 U	51 U	13.7 U	13.7 U	4.58 U
o-Xylene	95-47-6	31.2	36.3	46	57.3	17.6	151	53.9	79.9	24.8
4-Ethyltoluene	622-96-8	12.3	13.2	19.1	16.2	3.65	36.5 U	9.83 U	11.8	3.93
1,3,5-Trimethybenzene	108-67-8	10.4	11.4	16.1	14.6	4.54	36.5 U	9.83 U	11.9	4.33
1,2,4-Trimethylbenzene	95-63-6	40.4	43.9	62.9	54.6	13	36.5 U	17.6	41.8	13.6
Benzyl chloride	100-44-7	3.45 U	3.45 U	3.45 U	3.45 U	3.45 U	38.4 U	10.4 U	10.4 U	3.45 U
1,3-Dichlorobenzene	541-73-1	4.01 U	4.01 U	4.01 U	4.01 U	4.01 U	44.6 U	12 U	12 U	4.01 U
1,4-Dichlorobenzene	106-46-7	4.01 U	4.01 U	4.01 U	4.01 U	4.01 U	44.6 U	12 U	12 U	4.01 U
1,2-Dichlorobenzene	95-50-1	4.01 U	4.01 U	4.01 U	4.01 U	4.01 U	44.6 U	12 U	12 U	4.01 U
1,2,4-Trichlorobenzene	120-82-1	4.95 U	4.95	4.95 U	4.95 U	4.95 U	55.1 U	14.8 U	14.8 U	4.95 U
Hexachlorobutadiene	87-68-3	7.11 U	7.11U	7.11 U	7.11 U	7.11 U	79.1 U	21.3 U	21.3 U	7.11 U

Notes:
All results reported in micrograms per cubic meter (mcg/m^3)
U - Not Detected exceeding laboratory reporting limit
Shaded and bold value indicates an exceedence of a New York State Department of Health (NYSDOH) guidance value.

TABLE 5
GPS Coordinates of Sample Locations

TABLE 5
GPS COORDINATES OF SAMPLE LOCATIONS
Proposed Self-Storage Facility
1538 Stillwell Avenue and
1540 Bassett Avenue
Bronx, Bronx County, New York

Location	Latitude	Longitude
B-1/TW-1	40º 51' 11.69" N	73º 50' 30.20" W
B-2	40º 51' 12.99" N	73º 50' 30.73" W
B-3	40º 51' 13.72" N	73º 50' 30.91" W
B-4	40º 51' 13.80" N	73º 50' 28.40" W
B-5/TW-2	40º 51' 13.17" N	73º 50' 31.13" W
B-6	40º 51' 12.85" N	73º 50' 31.00" W
B-7	40º 51' 13.43" N	73º 50' 30.33" W
B-1	40º 51' 12.68" N	73º 50' 30.86" W
B-2	40º 51' 13.43" N	73º 50' 31.35" W
B-3	40º 51' 14.33" N	73º 50' 31.93" W
B-4	40º 51' 10.86" N	73º 50' 30.70" W
B-5/B-5GW	40º 51' 12.25" N	73º 50' 30.04" W
B-6	40º 51' 13.45" N	73º 50' 28.62" W
B-7	40º 51' 14.25" N	73º 50' 28.24" W
RI-B1	40º 51' 13.62" N	73º 50' 32.17" W
RI-B2	40º 51' 13.45" N	73º 50' 30.99" W
RI-B3	40º 51' 12.60" N	73º 50' 29.56" W
S-1	40º 51' 11.97" N	73º 50' 30.06" W
S-2	40º 51' 12.00" N	73º 50' 30.00" W
S-3	40º 51' 11.93" N	73º 50' 29.95" W
S-4	40º 51' 11.91" N	73º 50' 30.06" W
S-5	40º 51' 11.98" N	73º 50' 30.09" W
S-6	40º 51' 12.02" N	73º 50' 29.98" W
S-7	40º 51' 11.91" N	73º 50' 29.91" W
S-8	40º 51' 11.88" N	73º 50' 30.08" W

TABLE 5
GPS COORDINATES OF SAMPLE LOCATIONS
Proposed Self-Storage Facility
1538 & 1546 Stillwell Avenue
1547 & 1549 Bassett Avenue
Bronx, Bronx County, New York

Boring Number	Latitude	Longitude
MW-1	40º 51' 13.77" N	73º 50' 28.51" W
MW-2	40º 51' 11.71" N	73º 50' 30.26" W
MW-3	40º 51' 12.77" N	73º 50' 30.83" W
MW-4	40º 51' 14.44" N	73º 50' 32.28" W
MW-5	40º 51' 12.07" N	73º 50' 30.98" W
MW-6	40º 51' 10.94" N	73º 50' 31.67" W
MW-7	40º 51' 13.48" N	73º 50' 30.18" W
SV-1	40º 51' 13.75" N	73º 50' 31.63" W
SV-2	40º 51' 14.77" N	73º 50' 32.04" W
SV-3	40º 51' 13.03" N	73º 50' 31.42" W
SV-4	40º 51' 13.44" N	73º 50' 30.59" W
SV-5	40º 51' 12.70" N	73º 50' 29.46" W
SV-6/SV-6A	40º 51' 11.94" N	73º 50' 30.02" W
SV-7	40º 51' 11.19" N	73º 50' 30.58" W
SV-8	40º 51' 13.68" N	73º 50' 28.52" W

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TABLE 6
Analytical Methods Summary

TABLE 6
ANALYTICAL METHODS SUMMARY
Proposed Self-Storage Facility
1538 Stillwell Avenue and
1540 Bassett Avenue
Bronx, Bronx County, New York

Matrix	Number of Samples	Analytical Parameters	Analytical Methods	Number of Duplicate Samples	Number & Type of QA/QC Samples
Soil	33	TAL Metals VOCs SVOCs Pesticides PCBs	TAL Metals by EPA Method 6010C (rev. 2007) VOCs by EPA Method 8260C (rev. 2006) SVOCs by EPA Method 8270D (rev. 2007) Pesticides by EPA Method 8081B (rev. 2000) PCBs by EPA Method 8082A (rev. 2000)	3	0
Groundwater	16	TAL Metals VOCs SVOCs Pesticides PCBs	TAL Metals by EPA Method 6010C (rev. 2007) VOCs by EPA Method 8260C (rev. 2006) SVOCs by EPA Method 8270D (rev. 2007) Pesticides by EPA Method 8081B (rev. 2000) PCBs by EPA Method 8082A (rev. 2000)	2	3 Field Blanks 2 Trip Blanks
Soil Vapor	9	VOCs	TOC-15 VOC	0	0

Notes:
EPA United States Environmental Protection Agency
TAL Target Analyte List
VOCs Volatile Organic Compounds
SVOCs Semi-Volatile Organic Compounds
PCBs Polychlorinated Biphenyls

APPENDIX 1
Phase I ESA Report

WHITESTONE ASSOCIATES, INC.
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PRIVILEGED AND CONFIDENTIAL

SUMMARY REPORT OF FINDINGS

PHASE I ENVIRONMENTAL SITE ASSESSMENT AND SURVEY FOR ASBESTOS CONTAINING MATERIALS

PROPOSED SELF-STORAGE FACILITY
EXISTING COMMERCIAL BUILDING AND STORAGE LOTS
1538 & 1548 STILLWELL AVENUE;
1547 & 1549 BASSETT AVENUE
BLOCK 4219, LOTS 16 AND BLOCK 4226, LOT 290
BRONX, BRONX COUNTY, NEW YORK

Prepared for:

STILLWELL STORAGE, LLC
c/o THE HAMPSHIRE COMPANIES
10 Dehart Street
Morristown, New Jersey 07960

Prepared by:

WHITESTONE ASSOCIATES, INC.
35 Technology Drive
Warren, New Jersey 07059

Whitestone Project #EJ1111829.001
Report Date: April 3, 2012

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Privileged and Confidential

April 3, 2012

via email and FedEx

STILLWELL STORAGE, LLC
c/o THE HAMPSHIRE COMPANIES
10 Dehart Street
Morristown, New Jersey 07960

Attention: Mr. Donald J. Engels
Managing Member

Regarding: PHASE I ENVIRONMENTAL SITE ASSESSMENT AND SURVEY FOR ASBESTOS CONTAINING MATERIALS PROPOSED SELF-STORAGE FACILITY EXISTING COMMERCIAL BUILDING AND STORAGE LOTS 1538 & 1546 STILLWELL AVENUE; 1547 & 1549 BASSETT AVENUE BLOCK 4219, LOT 16 AND BLOCK 4226, LOT 290 BRONX, BRONX COUNTY, NEW YORK WHITESTONE PROJECT NO.: EJ1111829.001

Dear Mr. Engels:

Whitestone Associates, Inc. (Whitestone) is pleased to submit for your review the attached *Summary Report of Findings - Phase I Environmental Site Assessment and Survey for Asbestos Containing Materials* for the above-referenced property.

Please contact us with any questions or comments regarding the enclosed report.

Sincerely,

WHITESTONE ASSOCIATES, INC.

Christopher Seib
Director, Environmental Division

Jeremy Hassett
Environmental Specialist

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Enclosures
Copy: Marc D. Slayton, Post Management, LLC
Lauren Wolf, The Hampshire Companies

PHASE I ENVIRONMENTAL SITE ASSESSMENT & SURVEY FOR ASBESTOS CONTAINING MATERIALS
Proposed Self-Storage Facility
Stillwell Avenue and Bassett Avenue
Bronx, Bronx County, New York

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Proposed Self-Storage Facility
Stillwell Avenue and Bassett Avenue
Bronx, Bronx County, New York

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Proposed Self-Storage Facility
Stillwell Avenue and Bassett Avenue
Bronx, Bronx County, New York

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PHASE I ENVIRONMENTAL SITE ASSESSMENT & SURVEY FOR ASBESTOS CONTAINING MATERIALS
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Stillwell Avenue and Bassett Avenue
Bronx, Bronx County, New York

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APPENDIX 8 Qualifications of Environmental Professionals
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SECTION 1.0
Summary of Findings

Whitestone Associates, Inc. (Whitestone) was retained by Stillwell Storage, LLC c/o The Hampshire Companies to perform a Phase I Environmental Site Assessment and Survey for Asbestos Containing Materials (ESA/ACM) of the existing commercial building and storage lots (proposed self-storage facility) located at 1538 and 1546 Stillwell Avenue and 1547 and 1549 Bassett Avenue in Bronx, Bronx County, New York (hereinafter referred to as the "site" or the "subject property"). Investigatory activities were completed by Whitestone between February 28, 2012 and April 2, 2012. The Phase I ESA site reconnaissance and ACM survey were conducted on March 5, 2012. In addition to the Phase I ESA activities, Whitestone also was retained to conduct a preliminary geotechnical investigation and Phase II Site Investigation (SI) at the subject property, results of which will be reported under separate cover.

1.1 PHASE I ENVIRONMENTAL SITE ASSESSMENT

This document serves as the Phase I ESA report for this property. Whitestone performed the Phase I ESA of the subject property in conformance with the scope and limitations of the American Society of Testing Materials (ASTM) *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (E1527-05). Any exceptions to or deletions from this practice are described in Sections 2.4 and 8.4 of this report. This assessment has revealed evidence of the following ***recognized environmental conditions*** (RECs) in connection with the subject property:

- Based on historical sources reviewed by Whitestone, Lot 16 of the subject property historically was occupied by a paint manufacturing facility (Amsterdam Color Works, Inc.) from 1941 until 2005. Paint manufacturing operations typically include the use/storage of hazardous substances (including petroleum distillates, volatile organic solvents, pigments, dyes, etc.) and the generation of hazardous wastes. Accordingly, impacts to subsurface conditions from former site operations are suspected. The subject property is identified on the RCRA Administrative Action Tracking System (RAATS), RCRA Small Quantity Generators (SQG), Integrated Compliance Information System (ICIS), Facility Index System (FINDS), and Manifest environmental databases under Amsterdam Color Works, Inc. located at 1546 Stillwell Avenue (USEPA ID No. NYD001360155). According to the database report, Amsterdam Collor Works currently is listed as a small quantity generator of hazardous waste, however, formerly was a large quantity generator of hazardous waste prior to 2002.

- According to the site owner, one 1,000 gallon heating oil underground storage tank (UST) and two 1,000 solvent USTs reportedly were removed from the eastern and western interior portions of the site building over 20 years ago. The site owner indicated that, to his knowledge, no sampling was conducted following tank removal, and no documentation regarding the UST removal activities is available.

- Evidence of a suspected existing UST (fill port) was observed in the sidewalk area to the east of the site building along Bassett Avenue, and a vent pipe was observed at the northwestern exterior of the site building along Stillwell Avenue, however, no information regarding this suspected UST or the vent pipe was available from the site owner.

- Urban properties such as the subject site typically have been filled with material imported from off-site sources during initial site development or subsequent redevelopment to achieve final grades. According to the site owner, Lot 290 of the subject property historically was a drainage ditch located along the railroad tracks and was filled in and graded approximately 40 years ago. Fill materials consisting of either silty sand with variable amounts of gravel and debris or poorly graded sand with silt and gravel were encountered at the subject property to depths of up to seven feet below ground surface (fbgs) during Whitestone's March 2012 preliminary geotechnical investigation. Such non-native materials may contain contaminants exceeding applicable standards.

These RECs are documented more completely in the pages that follow -- as are recommendations for further evaluation and/or remediation.

1.2 SURVEY FOR ASBESTOS CONTAINING MATERIALS (ACM)

As detailed in Section 9.0, laboratory analyses of the bulk samples confirmed asbestos present at concentrations greater than one percent in the following materials:

- Approximately 360 square feet of tan vinyl floor tile (bottom layer) and associated mastic in the second floor front offices;
- Approximately 360 square feet of brown vinyl floor tile (bottom layer) and associated mastic in the second floor front offices;
- Approximately 2,000 linear feet of braided electrical wire insulation to lights and conduits scattered throughout the building;
- Approximately 12 linear feet of corrugated pipe insulation in the second floor utility room;
- Approximately 2,300 square feet of miscellaneous tar in the roof levels;
- Approximately 21,000 square feet of roofing material on the roof levels;
- Approximately 3,700 square feet of flashing material on the roof levels; and
- Approximately 45 square feet of coping stone caulk on the roof levels.

Bulk sample locations are depicted on the *Asbestos Sample Location Plans* included as Figures 3A through 3C of this report.

SECTION 2.0
Introduction

2.1 PURPOSE

The purpose of this Phase I ESA is to provide an appropriate inquiry to the previous and current ownership and uses of the property consistent with the American Society of Testing Materials (ASTM) *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (E1527-05).

The purpose of the asbestos survey was to locate, assess, and provide data relative to the condition of friable and non-friable ACM identified within the subject facility with the understanding that the subject structure may undergo future demolition and/or renovation. The roof of the subject building was included in the ACM survey at the client's request. The inspection was performed in general accordance with protocol outlined by the United States Environmental Protection Agency (USEPA) in 40 CFR Part 763, Asbestos Hazard Emergency Response Act (AHERA), Final Rule and Notice and the guidelines outlined by USEPA in the 1985 *Guidance for Controlling Asbestos Containing Materials in Buildings* (Office of Pesticides and Toxic Substances, Doc. No. 560/3-85-024) and Part 56 of Title 12 of the Official Compilation of Codes, Rules and Regulations of the State of New York (12 NYCRR Part 56) and is inherently limited to accessible portions of the subject structure. The ACM survey was conducted as a non-destructive sampling effort, and suspect areas/materials beneath fixed equipment/furnishings or behind solid walls, above/beneath fixed ceilings and floors may not have been available for sampling and evaluation.

2.2 DETAILED SCOPE OF SERVICES

Whitestone's Scope of Services in connection with this Phase I ESA included the following components:

- A review of readily-available federal, state, and local records through electronic database searches and *Freedom of Information Law (*FOIL) document requests;
- Obtaining an environmental lien search and/or chain of title;
- A site reconnaissance;
- Sanborn Fire Insurance Map, aerial photograph, historical topographic map, and City Directory Search evaluation and interpretation;
- Interviews with knowledgeable representatives; and
- Summary report generation.

Whitestone's ACM Survey consisted of the following key components:

- Conducting a visual evaluation to locate suspected asbestos containing building materials within the subject structure.
- Separating suspect materials into homogeneous groupings based on type, color, consistency, and estimated date of application.
- Separating suspect materials into homogeneous groupings based on classification (surfacing, thermal, and/or miscellaneous materials).
- Preparing schematic or field drawings of surveyed areas to identify approximate sample locations.
- Collecting bulk samples of suspected ACM for laboratory analysis.
- Providing a written assessment of identified ACM in the subject structure including *Asbestos Sample Location Plans* and approximate volumes of identified ACM.

2.3 SIGNIFICANT ASSUMPTIONS

Whitestone assumes all information provided by the client, public officials, knowledgeable representatives, or others noted in this report to be factual unless otherwise contradicted or documented.

2.4 LIMITATIONS AND EXCEPTIONS

The goal of a Phase I ESA is to identify recognized environmental conditions at the subject site. With this in mind, Whitestone seeks to investigate the presence or likely presence of hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release to structures of the property or into the soils, groundwater, or surface water of the property. This assessment includes a discussion of hazardous substances and petroleum products that are present at the property and are in compliance with appropriate regulations governing their storage and use.

This Phase I ESA does not include an extensive evaluation of *de minimis* conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be subject to enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis* are not RECs, however, certain *Business Environmental Risks* (including RECs for which a No Further Action determination has been issued) and *de minimis* conditions as well as recommendations for further action, if appropriate, are summarized in Section 8.1.2 of this Phase I ESA report.

The Phase I ESA is intended to permit the *user* to satisfy one of the requirements to qualify for the *innocent landowner, contiguous property owner*, or *bona fide prospective purchaser* limitations on CERCLA liability: that is, the practice that constitutes "*all appropriate inquiry* into the previous ownership and uses of the property consistent with good commercial or customary practice" as defined at 42 U.S.C. 9601(35)(B) and as defined in ASTM Standard Practice E1527-05.

The asbestos survey results presented in this report reflect current regulations, laboratory and field techniques, and current knowledge of the hazards associated with the handling of asbestos. The asbestos survey findings are limited only to accessible areas of the subject property. Whitestone can make no representation of materials, adhesives, sealing materials, or materials underlying fixed equipment or appurtenances or not ordinarily visible and exposed.

The approximated quantities of ACM are estimates based on material visible to the inspector and/or assumed and inferred based on observed site conditions. Such volumes/areas can vary, and obscured materials could be encountered during abatement or demolition.

The presence of construction equipment and materials, automobiles, etc. on Lot 290 of the subject property limited surface observations and may have impeded the inspector's ability to observe certain on-site RECs and/or BERs.

To date, a title report has not been provided to Whitestone for review.

2.5 SPECIAL TERMS AND CONDITIONS

This Phase I ESA has been conducted in accordance with ASTM E1527-05, and no special terms or conditions have been included in this Phase I ESA report.

2.6 USER RELIANCE

Stillwell Storage, LLC, The Hampshire Companies, Post Management, LLC, their successors, representatives, and/or assigns may rely upon the findings and conclusions of this document. This document was prepared for the sole use of Stillwell Storage, LLC, The Hampshire Companies, Post Management, LLC, their successors, representatives, and assigns, and should not be relied upon by any third party without Whitestone's written consent.

SECTION 3.0
Site Description

3.1 LOCATION AND LEGAL DESCRIPTION

The subject property consists of two separate parcels located at 1538 and 1546 Stillwell Avenue (Block 4219, Lot 16) and 1547 and 1549 Bassett Avenue (Block 4226, Lot 290) in the Bronx, Bronx County, New York, Latitude 40.8538 North, Longitude 73.8419 West. The parcels are separated by Bassett Avenue and comprise a total of 1.01 acres. The site location is shown on Figures 1 and 2 and illustrated in Appendix 1, Site Photographs.

3.2 SITE VICINITY AND GENERAL CHARACTERISTICS

Lot 16 of the subject property is situated between Stillwell Avenue and Bassett Avenue and currently houses a vacant, one- and two-story commercial structure that covers the entire lot. Lot 290 of the subject property is situated east of Bassett Avenue and houses several fenced storage yards. The site is bound by Bay Powder Coating Corp., Sacco, and residential buildings to the north, an Acela High Speed Transit Train line to the east, New Plumbing and Heating Corp., a vacant building, a lot with junk cars, and Frank & Son Autobody to the south, and F&J Transmission, Temple of Joy, Italy A&P Auto Repair, Carib Prints, Ltd. Beyond Stillwell Avenue to the west.

3.3 CURRENT AND PAST USES OF THE PROPERTY

Lot 16 of the subject property currently houses a vacant commercial building. Lot 290 consists of seven individually fenced storage yards utilized by various tenants for the storage of construction equipment and materials, portable bathrooms, and automobiles.

According to historical sources reviewed by Whitestone and conversations with the site owner, Stephen Offerman, the site building located on Lot 16 has been vacant since approximately 2005. Prior to that time, the building was occupied by Amsterdam Color Works, a paint manufacturer, dating back to 1941, when the original northern portion of the building was constructed. Additions to the southern portion of the building occurred between the 1950's and early 1960's. Historic Sanborn Maps dated 1919 and 1929 depict a commercial building identified as "iron works" and a residential building on Lot 16. With the exception of a small, one-story storage shed located in the central portion of the lot on Sanborn Maps dated 1992 through 2007, Lot 290 historically has been undeveloped and used as a storage yard. According to the site owner, this area of the site historically was a drainage ditch located along the railroad tracks and was filled in and graded approximately 40 years ago. Mr. Offerman also indicated that the former shed structure located on Lot 290 was not serviced by utilities.

3.4 DESCRIPTIONS OF STRUCTURES, ROADS, AND OTHER SITE IMPROVEMENTS

3.4.1 Existing Structures/Improvements/Roads

Lot 16 of the subject property is improved with a vacant, one- and two-story, approximately 31,166 square feet (footprint) commercial structure that covers the entire lot. Lot 290 of the subject property is situated east of Bassett Avenue and consists of several fenced storage yards.

The ground floor/basement area of the site building is divided into four open sections formerly used for paint storage and mixing (per Sanborn Maps) with restrooms in the central portion and a loading dock area in the western portion of the building. The second floor of the site building consists of open space with offices in the northwestern and northeastern portions of the building. With the exception of the storage yard located directly across from the site building which is vacant, the fenced storage yards that comprise Lot 290 consist of construction equipment and materials, portable bathrooms, and automobiles.

3.4.2 Utilities

The subject property currently is serviced by electricity, natural gas, public water and sewer, and heating oil stored in two 275 gallon aboveground storage tanks (ASTs) located in the northern portion of the site building. An AST fill port and vent pipe were observed at the northwestern exterior of the site building. Overhead electric lines enter the site building from Bassett Avenue to the east of the subject site. A natural gas meter and a water meter were observed in the southeastern portion of the site building. Underground water and sanitary sewer lines are suspected to run along Stillwell Avenue to the west of the subject site and Bassett Avenue to the east of the subject site.

3.5 CURRENT AND PAST USES OF ADJOINING PROPERTIES

The properties adjacent to the subject site include:

- Bay Powder Coating Corp., Sacco, and residential buildings to the north;
- Acela High Speed Transit Train line to the east;
- New Plumbing and Heating Corp., a vacant building, a lot with junk cars, and Frank & Son Autobody to the south; and
- F&J Transmission, Temple of Joy, Italy A&P Auto Repair, Carib Prints, Ltd. Beyond Stillwell Avenue to the west.

The area surrounding the subject property historically consisted of a mix of residential, commercial, and industrial uses. The immediate area surrounding the subject property currently and historically has been occupied by residential dwelling and various automobile repair facilities dating back to the 1950's.

SECTION 4.0
User Provided Information

4.1 TITLE RECORDS

A title report has not been provided for review to date. Current and historic ownership information was obtained from the New York City Department of Finance. Pertinent ownership information is summarized in Section 5.4.4.

4.2 ENVIRONMENTAL LIENS OR ACTIVITY AND USE LIMITATIONS

Based on information provided by Whitestone's client and collected during the site reconnaissance and a search of readily-available local, state, and federal records, no environmental liens or environmental regulatory enforcement actions appear to have been instituted at the property. The site is not listed as a Superfund lien site (see Appendix 2).

According to a search of the New York City Department of Building (DOB) website, one open Environmental Control Board (ECB) violation exists for Block 4219, Lot 16. According to DOB records, this violation was issued on April 12, 1993 and pertained to "failure to maintain boiler". A $100.00 penalty was imposed during a scheduled hearing on June 25, 1993, however, compliance has not been recorded. DOB records also indicate nine open DOB violations exist for Block 4219, Lot 16. DOB records indicate that these violations are associated with the boiler at the subject property, however, no further information regarding these violations was available. The DOB website did not identify any records regarding Block 4226, Lot 290.

4.3 SPECIALIZED KNOWLEDGE

Stillwell Storage, LLC and The Hampshire Companies have made known to Whitestone the following specialized knowledge or experience concerning recognized environmental conditions at the subject property:

- March 8, 1976 *Title Survey* prepared by Krause Land Surveyors;
- May 2, 2008 *Order* and September 8, 2011 *Notice of Compliance* issued by NYCDEP; and
- June 3, 2011 *Phase I Environmental Site Assessment Report* prepared by Middleton Environmental, Inc. (MEI).

Pertinent information obtained from these documents is summarized in Section 5.4.9 of this report.

4.4 COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION

No additional information regarding the subject property has been provided by Whitestone's client.

4.5 VALUATION REDUCTION FOR ENVIRONMENTAL ASSESSMENTS

No evidence has been made available to Whitestone that the purpose price of the subject property is significantly less than the purchase price of comparable properties.

4.6 OWNER, PROPERTY MANAGER, AND OCCUPANT INFORMATION

Owners: **Block 4219, Lot 16**
Stephen Offerman, Site Owner
3326 Merritt Avenue
Bronx, New York 10475
Phone: (718) 828-8000

Block 4226, Lot 290
Amsterdam Color Works, Inc.
Stephen Offerman, Owner
3326 Merritt Avenue
Bronx, New York 10475
Phone: (718) 828-8000

Occupants: vacant commercial building (Lot 16) and storage yard (Lot 290)

4.7 REASON FOR PERFORMING PHASE I ESA

The purpose of this Phase I ESA is to provide an appropriate inquiry to the previous and current ownership and uses of the property consistent with ASTM E1527-05 with the understanding that the property is to be purchased by Whitestone's client for redevelopment as a self-storage facility.

4.8 OTHER

No additional information pertinent to environmental conditions at the subject property has been provided by Whitestone's client.

SECTION 5.0
Records Review

In support of this Phase I ESA, Whitestone conducted a search of readily-available federal, state, and local public records to document, among other items, current and past site ownership and usage, and evidence (if any) of past or pending environmental corrective or enforcement actions at the property or nearby locations. To accomplish this, Whitestone obtained a database records search, submitted *Freedom of Information Law* (FOIL) requests for pertinent data, and/or interviewed knowledgeable representatives.

5.1 STANDARD ENVIRONMENTAL RECORD SOURCES

Whitestone utilized the services of Environmental Data Resources, Inc. (EDR) to conduct an electronic search of the federal, state, local, and tribal databases listed below (see Appendix 2). This search revealed that the subject property was identified on the following database: **RCRA-SQG, FINDS, RAATS, Manifest, ICIS, and NY Spills**.

1. **Federal NPL Site List.** The National Priorities List (NPL), also known as the Superfund List, is United States Environmental Protection Agency's (USEPA's) listing of uncontrolled or abandoned Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) hazardous waste sites. The database search and radius profile revealed no NPL sites located within one mile of the property.

2. **Proposed Federal NPL Site List.** Sites that are proposed to be listed on the NPL. The database search and radius profile revealed no proposed NPL sites located within one mile of the property.

3. **Delisted Federal NPL Site List.** NPL sites that have been or may be deleted from the NPL where no further response is appropriate. The database search and radius profile revealed no delisted NPL sites located within one mile of the property.

4. **The Federal Superfund Liens.** This list identifies properties that USEPA has the authority to file liens against in order to recover remedial action expenditures, or when the property owner receives notification of potential responsible party status. USEPA compiles a listing of filed notices of Superfund liens. The subject property is not listed as an NPL Liens site.

5. **Federal CERCLIS List.** The Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) list is a compilation of known or suspected uncontrolled or abandoned hazardous waste sites that USEPA has investigated or is investigating for the release or threatened release of hazardous substances pursuant to CERCLA. No CERCLIS sites are present within a 0.5 mile radius of the property.

6. **Federal CERCLIS NFRAP Site List.** CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) may be sites where, following an initial investigation, no contamination was

found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. The subject property is not a CERCLIS NFRAP site, and no CERCLIS NFRAP sites are located within a 0.5 mile radius of the subject property.

7. **Federal RCRA CORRACTS Facility List.** The Corrective Action Report (CORRACTS) identifies hazardous waste handlers with Resource Conservation and Recovery Act (RCRA) corrective action activity. The database search identified no CORRACTS sites within a one mile radius of the property.

8. **Federal RCRA Non-CORRACTS TSD Facilities List.** The Resource Conservation and Recovery System (RCRIS) Treatment, Storage and Disposal (TSD) Facilities report contains information pertaining to permitted facilities which treat, store, or dispose of hazardous wastes. This report includes information traced by the RCRA Administrative Action Tracking System (RAATS). **The subject property is identified on the RAATS database under Amsterdam Color Works, Inc. located at 1546 Stillwell Avenue (USEPA ID No. NYD001360155). According to the database report, Amsterdam Color Works currently is listed as a small quantity generator of hazardous waste, however, formerly was a large quantity generator of hazardous waste prior to 2002. Several Generator violations were reported for the subject site in 1983, 1991, and 2005, however, compliance has been achieved. The subject property also is identified on the RCRIS SQG, ICIS, FINDS, and Manifest databases in association with the former generation of hazardous waste.** The radius revealed no RCRIS TSD sites or RAATS sites within a 0.5 mile radius of the property.

9. **Federal RCRA Large Quantity Generator (LQG) List.** The RCRIS LQG report contains information pertaining to facilities that generate more than 1,000 kg per month of RCRA hazardous waste or meet other applicable requirements of RCRA. The radius profile revealed one RCRIS LQG site within a 0.25 mile radius of the property. The RCRIS LQG site is identified as Albert Einstein College of Medicine located at 1300 Morris Park Avenue, Bronx, New York, approximately 0.22 mile southwest and upgradient of the subject site. Several Generator violations were reported for this facility in 1990 and 2011, however, compliance has been achieved. Impacts to the subject property from this site are not anticipated due to its distance from the subject site. Impacts from off-site sources (if any) would remain the responsibility of the owner/operator of the site from which the contamination is emanating.

10. **Federal RCRA Small Quantity Generators (SQG) List.** The RCRIS SQG report contains information pertaining to facilities that either generate between 100 kg and 1,000 kg per month of RCRA hazardous waste or meet other applicable requirements of RCRA. **The subject property is identified on the RCRIS SQG database under Amsterdam Color Works, Inc. located at 1546 Stillwell Avenue (see # 8 above).** In addition, the radius profile revealed one RCRIS SQG site within a 0.25 mile radius of the property. The RCRIS SQG site is identified as Frank & Son Autobody located at 1530 Stillwell Avenue, Bronx, New York, approximately 100 feet south of the subject site. No RCRA violations or hazardous waste releases have been reported for this site. Impacts to the subject property from this site may be possible (if contaminant releases have occurred) due to its close proximity to the subject site. Impacts from off-site sources (if any) would

remain the responsibility of the owner/operator of the site from which the contamination is emanating.

11. **Federal RCRA Conditionally Exempt Small Quantity Generators (CESQG) List.** The RCRIS CESQG report contains information pertaining to facilities that either generate less than 100 kg per month of RCRA hazardous waste or less than 1 kg per month of acutely hazardous waste. The radius profile revealed three RCRIS CESQG sites within a 0.25 mile radius of the property. The RCRIS CESQG nearest the subject property is identified as Stillwell Collision located at 1617 Stillwell Avenue, Bronx, New York, approximately 0.12 mile northeast and downgradient of the subject site. No RCRA violations or hazardous waste releases have been reported for this site. Impacts to the subject property from this site are not anticipated due to its distance and downgradient location to the subject site. Impacts from off-site sources (if any) would remain the responsibility of the owner/operator of the site from which the contamination is emanating.

12. **Federal RCRA NonGen List.** The RCRIS NonGen report contains information pertaining to facilities that currently do not generate hazardous waste. The radius profile revealed seven RCRIS NonGen sites within a 0.25 mile radius of the property. The RCRIS NonGen site nearest the subject property is identified as Maaco Auto Painting and Bodywork located at 1511 Bassett Avenue, Bronx, New York, approximately 0.07 mile southwest and upgradient of the subject site. No RCRA violations have been reported for this site. Impacts to the subject property from this site may be possible (if contaminant releases have occurred) due to its close proximity and upgradient location to the subject site. Impacts from off-site sources (if any) would remain the responsibility of the owner/operator of the site from which the contamination is emanating.

13. **Hazardous Substance Waste Disposal Site (HSWDS).** The HSWDS database is a listing of all suspected hazardous waste disposal sites within a 0.5 mile radius of the subject property. One HSWDS site was identified within a 0.5 mile radius of the site. The site is identified as Bronx Psychiatric Center located at 1500 Waterplace West, Bronx, New York, approximately 0.33 mile southeast and downgradient of the subject site. This facility is identified as being active, however, no additional information regarding this site was available from the database report. Impacts to the subject property from this site are not anticipated due to its distance and downgradient location to the subject site. Impacts from off-site sources (if any) would remain the responsibility of the owner/operator of the site from which the contamination is emanating.

14. **Federal ERNS List.** The Emergency Response Notification System (ERNS) is a national computer database that stores information on the sudden and/or accidental release of hazardous substances, including petroleum, into the environment during the previous reporting year. No releases were reported by ERNS for the subject property during this period.

15. **Hazardous Materials Information Reporting System (HMIRS).** HMIRS contains hazardous material spill incident information as reported to the Department of Transportation. The subject property is not listed as a HMIRS facility.

16. **U.S. Engineering Control Sites List.** Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances

to enter environmental media or effect human health. The radius profile revealed no U.S. Engineering Control sites within a 0.5 mile radius of the property.

17. **U.S. Institutional Control Sites List.** Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post-remediation care requirements intended to prevent exposure to contaminants remaining on site. The radius profile revealed no U.S. Institutional Control sites within a 0.5 mile radius of the property.

18. **Department of Defense Sites.** Department of Defense (DOD) sites consist of federally-owned or administered lands in the United States, Puerto Rico, and the U.S. Virgin Islands that have any area equal to or greater than 640 acres. The radius profile revealed no DOD sites within a one mile radius of the property.

19. **Formerly Used Defense Sites (FUDS).** This listing includes locations of FUDS properties where the U.S. Army Corps of Engineers is actively working or will take necessary cleanup actions. The radius profile revealed no FUDS sites within a one mile radius of the property.

20. **U.S. Brownfields.** Under the U.S. Brownfields Program, USEPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. The radius profile revealed no U.S. Brownfields sites within a 0.5 mile radius of the property.

21. **Superfund (CERCLA) Consent Decrees.** Legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites are often memorialized in Consent Decrees. No Consent Decrees are reported for sites within a one mile radius of the property.

22. **Records of Decision (ROD).** ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup. No RODs are in effect for sites within a one mile radius of the property.

23. **Uranium Mill Tailings Sites (UMTRA).** Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium had been extracted from the ore. Human exposures to radioactive materials from the piles are low, however, in some cases, tailings were used as construction materials before the potential health hazards of the tailings were recognized. The radius profile revealed no UMTRA sites within a 0.5 mile radius of the property.

24. **Open Dump Inventory (ODI) Sites.** An "open dump" is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 RCRA Subtitle D Criteria. The radius profile revealed no ODI sites within a 0.5 mile radius of the property.

25. **Toxic Chemical Release Inventory System (TRIS).** TRIS identifies facilities that are permitted to release toxic chemicals to the air, water, and land in reportable quantities under SARA Title III, Section 313. The subject property is not listed as a TRIS facility.

26. **Toxic Substances Control Act (TSCA).** TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory List, including data on the production volume of these substances by plant site. The subject property is not listed as a TSCA site.

27. **FIFRA/TSCA Tracking System (FTTS).** FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA (Federal Insecticide, Fungicide & Rodenticide) and TSCA. The subject property is not listed as a FTTS site.

28. **Section Seven Tracking System (SSTS).** Section 7 of FIFRA requires all registered pesticide-producing establishments to submit a report to the USEPA by March 1 of each year. Each establishment must report the types and amounts of pesticides, active ingredients, and devices being produced, and those having been produced and sold or distributed in the past year. The subject property is not listed as a SSTS site.

29. **Integrated Compliance Information System (ICIS).** The ICIS supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program. **The subject property is listed as a ICIS site under Amsterdam Color Works, Inc. located at 1546 Stillwell Avenue (see # 8 above).**

30. **PCB Activity Database System (PADS).** PADS identifies generators, transporters, commercial storage facilities and/or brokers, and disposers of polychlorinated biphenyls (PCBs) who are required to notify USEPA of such activities. The subject property is not listed as a PADS site.

31. **Material Licensing Tracking System (MTLS).** MLTS is maintained by the Nuclear Regulatory Commission (NRC) and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. The MLTS list was last updated on June 21, 2011. The subject property is not listed as a MLTS site.

32. **MINES Master Index File.** This list contains all mine identification numbers and violations issued for mines active or opened since 1971. The subject property is not listed as a MINES site.

33. **Facility Index System (FINDS).** FINDS contains both facility information and "pointers" to other sources that contain more detail. These include RCRIS; the permit compliance system (PCS); the Aerometric Information Retrieval System (AIRS); the FIFRA and TSCA Enforcement System (FATES); the FIFRA/TSCA Tracking System (FTTS); CERCLIS; DOCKET (enforcement docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); the Federal Underground Injection Control and Federal Reporting Data System; Surface Impoundments; TSCA Chemical and Commerce Information System; RCRA-J (Medical Waste Transporters/Disposers); TRIS; and TSCA. **The subject property is identified on the FINDS database under Amsterdam Color Works, Inc. located at 1546 Stillwell Avenue (USEPA ID No. NYD001360155) in association with its RCRIS SQG, RAATS, ICIS, and Manifest database listings.**

34. **State-Equivalent NPL and CERCLIS Sites.** The State Hazardous Waste Site (SHWS) records are the State's equivalent to CERCLIS. These sites may or may not already be listed on the federal

CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties (PRPs). One SHWS site is located within a one mile radius of the property. The site is identified as Bronx Psychiatric Center located at 1500 Waterplace West, Bronx, New York, approximately 0.33 mile southeast and downgradient of the subject site. According to the database report, this site does not present a significant threat to the public health or the environment. Impacts to the subject property from this site are not anticipated due to its distance and downgradient location to the subject site. Impacts from off-site sources (if any) would remain the responsibility of the owner/operator of the site from which the contamination is emanating.

35. **DEL SHWS.** The DEL SHWS database is a listing of sites delisted from Registry of Inactive Hazardous Waste Disposal Sites. The radius profile revealed one DEL SHWS sites within a one mile radius of the subject property. The site is identified as Bronx Psychiatric Center located at 1500 Waterplace West, Bronx, New York, approximately 0.33 mile southeast and downgradient of the subject site (see # 34 above).

36. **New York Solid Waste Facilities/Landfill Sites (SWF/LS).** The SWF/LS List is a listing of all active and inactive permitted waste disposal sites and processing facilities located in New York. One SWF/LS site is located within a 0.5 mile radius of the subject property. The site is identified as Mongelli Carting Co. located at 1565 Stillwell Avenue, Bronx, New York, approximately 0.06 mile north and upgradient of the subject site. According to the database report, this facility is inactive, however, no additional information was available in the database report. Impacts to the subject property from this site (if contaminant releases have occurred) may be possible due to its close proximity and upgradient location to the subject site. Impacts from off-site sources (if any) would remain the responsibility of the owner/operator of the site from which the contamination is emanating.

37. **New York Leaking Storage Tank (LTANK) List.** The LTANK list is a comprehensive listing of all ***reported*** leaking storage tanks in the State of New York. Sixteen LTANK sites have been reported within a 0.5 mile radius of the property, the nearest of which include:

LTANK Site	Address	Release Date & Tank Description	Case Status
Faberware Plant	1500 Bassett Avenue Bronx, New York	December 15, 1995 Gasoline	Active Case
Jacobi Hospital	1886 Eastchester Road Bronx, New York	June 6, 1994 Diesel Fuel	Case Closed on April 5, 2006
1624 Stillwell Avenue	1624 Stillwell Avenue Bronx, New York	November 1, 1990 Fuel Oil	Case Closed on April 16, 1991

Impacts to the subject property from the Faberware Plant site may be possible due to its active case status, close proximity, and upgradient location to the subject site. Impacts to the subject property from the remaining sites are not anticipated due to their closed case statuses and/or distances from

the subject site. Impacts from off-site sources (if any) would remain the responsibility of the owner/operator of the site from which the contamination is emanating.

38. **Historical Leaking Storage Tanks.** The HIST LTANKS database is a listing of LTANK sites that are no longer updated or maintained by NYSDEC. Eleven HIST LTANK sites have been reported within a 0.5 mile radius of the property, the nearest of which include:

HIST LTANK Site	Address	Release Date & Tank Description	Case Status
Faberware Plant	1500 Bassett Avenue Bronx, New York	December 15, 1995 Gasoline	Active Case
Jacobi Hospital	1886 Eastchester Road Bronx, New York	June 6, 1994 Diesel Fuel	Case Closed on April 5, 2006
1624 Stillwell Avenue	1624 Stillwell Avenue Bronx, New York	November 1, 1990 Fuel Oil	Case Closed on April 16, 1991

Impacts to the subject property from the Faberware Plant site may be possible due to its active case status, close proximity, and upgradient location to the subject site. Impacts to the subject property from the remaining sites are not anticipated due to their closed case statuses and/or distances from the subject site. Impacts from off-site sources (if any) would remain the responsibility of the owner/operator of the site from which the contamination is emanating.

39. **New York Registered Storage Tank List.** The Registered Storage Tank list is a comprehensive listing of all ***registered*** USTs in the State of New York. Eleven registered storage tank sites are located within a 0.25 mile radius of the property, the nearest of which include:

UST Facility	Address	Number of USTs	UST Capacity (gallons)	Product
Italy Auto Repair, Inc.*	1539 Stillwell Avenue Bronx, New York	1	Removed 1 x 275	Not Reported
Bruckner Manufacturing Corp.	1500 Bassett Avenue Bronx, New York	6	Active 3 x 10,000 Removed 2 x 550 1 x 550	Fuel Oil Leaded Gasoline Fuel Oil
Wonder Bar Products, Inc.	1624 Stillwell Avenue Bronx, New York	1	Removed 1 x 5,000	Fuel Oil
* Adjacent to the subject site				

Impacts to the subject property from these sites are not anticipated due to their absence from the LTANK database. Impacts from off-site sources (if any) would remain the responsibility of the owner/operator of the site from which the contamination is emanating.

40. **Chemical Bulk Storage (CBS) UST.** The CBS UST database is a listing of facilities that store regulated hazardous substances in underground tanks. No CBS UST sites were listed within a 0.25 mile radius of the subject property.

41. **Major Oil Storage Facilities (MOSF) UST.** The MOSF UST database is a listing of facilities that may be on shore facilities or vessels with petroleum storage capacities of 400,000 gallons or greater. No MOSF UST sites are located within a 0.5 mile radius of the subject site.

42. **Historical UST.** The HIST UST database is a listing of UST facilities with petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons that are no longer updated by NYSDEC. Nine HIST UST sites are located within a 0.25 mile radius of the property. The HIST UST sites nearest the subject property are identified in #39 above.

43. **New York Registered Storage Tank List.** The Registered Storage Tank list is a comprehensive listing of all ***registered*** aboveground storage tanks (ASTs) in the State of New York. Ten registered AST sites are located within a 0.25 mile radius of the property, the nearest of which include:

AST Facility	Address	Number of ASTs	AST Capacity (gallons)	Product
Tony's Auto Repair, Inc.	1531 Stillwell Avenue Bronx, New York	1	Active 1 x 100	Not Reported
Bruckner Manufacturing Corp.	1500 Bassett Avenue Bronx, New York	3	Active 1 x 10,000 Removed 1 x 275 1 x 2,000	Fuel Oil Fuel Oil Fuel Oil
Franks Express Oil Change, Inc.	2008 Eastchester Avenue Bronx, New York	1	Active 1 x 500	Not Reported

Impacts to the subject property from these sites may be possible (if contaminant releases have occurred) due to their close proximities to the subject site. Impacts from off-site sources (if any) would remain the responsibility of the owner/operator of the site from which the contamination is emanating.

44. **Chemical Bulk Storage AST.** The CBS AST database is a listing of facilities that store regulated hazardous substances in ASTs. No CBS AST facilities have been identified within a 0.25 mile radius of the subject site.

45. **Manifest.** The manifest list identifies sites with hazardous waste manifest information or activity. **The subject property is identified on the Manifest database under Amsterdam Color Works, Inc. located at 1546 Stillwell Avenue (see #8 above).** In addition, the radius profile revealed 12 Manifest sites within a 0.25 mile radius of the property. The Manifest site nearest the subject property is identified as Frank & Son Autobody located at 1530 Stillwell Avenue, Bronx, New York, approximately 100 feet south of the subject site (see #10 above).

46. **NY Spills**. The NY Spills database contains initial notification of chemical or petroleum material incidents where NYSDEC has been notified of discharges resulting in contamination. **The subject property is identified on the NY Spills database under Amsterdam Paint Factory located at 1547 Bassett Avenue. According to the database report, a release of approximately 25 gallons of paint thinner was reported to NYSDEC on May 2, 1998, and Spill No. 9801434 was assigned to the site. The database indicates that runoff from a fire contained miscellaneous paint materials that entered the sewer. No additional information was available from the database report or NYSDEC's Spills Database, however, this spill case was closed on February 12, 2003.**

47. **NY Engineering Controls.** Legal documents that restrict the future or continued use of contaminated property and holds owners to the regulatory/statutory requirements for cleanup are referred to as Engineering Controls. The radius profile revealed no NY Engineering Controls sites within a 0.5 mile radius of the property.

48. **NY Institutional Controls.** The NY Institutional Controls database is a listing of registered institutional control sites. The radius profile revealed no NY Institutional Control sites within a 0.5 mile radius of the property.

49. **Voluntary Cleanup Program (VCP) Sites.** Through NY's VCP, responsible parties, developers, local officials, or individuals may work with the Department to remediate nonpriority contaminated sites that pose no immediate threat to human health or the environment. The radius profile revealed no VCP sites within a 0.5 mile radius of the property.

50. **Drycleaners.** This database is a listing of registered drycleaning facilities. The radius profile revealed no Drycleaner sites within a 0.25 mile radius of the property.

51. **NY Brownfields.** Brownfields sites are identified as former or current commercial or industrial use sites that presently are vacant or underutilized on which a discharge of contamination to the soil or groundwater at concentrations greater than applicable cleanup criteria is suspected. The radius profile revealed no NY Brownfields sites within a 0.5 mile radius of the property.

52. **Indian Reservations.** This list identifies Indian administered lands of the United States that have an area equal or greater than 640 acres. The radius profile revealed no Indian Reservation sites within a one mile radius of the property.

53. **Indian LUST List.** This list identifies LUST locations on Indian Land. The radius profile revealed no Indian LUST sites within a 0.5 mile radius of the property.

54. **Indian UST List.** This list identifies UST locations on Indian Land. The radius profile revealed no Indian UST sites within a 0.25 mile radius of the property.

55. **Former Manufactured Gas (Coal Gas Site).** Historical coal gasification sites present a variety of potential environmental hazards. The subject property is not listed as a former coal gas site, and, no historical coal gas sites were identified within a one mile radius of the subject site.

56. **Federal Reporting Data System.** FRDS provides information regarding public water supplies and their compliance with monitoring requirements, maximum contaminant levels, and other requirements of the Safe Drinking Water Act of 1986. No FRDS wells were reported within a one mile radius of the site (see Section 6.2.5.3).

57. **Area Radon Information.** A national database has been developed by USEPA that is a compilation of the USEPA/State Residential Radon Survey and the National Residential Radon Survey. The study includes data which have been supplemented by information collected at private sources such as universities and research institutions. Although no site-specific radon data is available for the subject property, the average radon activity for Bronx County, New York is 0.67 picocuries per liter (pCi/L) for living areas and 1.11 pCi/L for basements. A total of 51 sites have been tested and reported for radon in Bronx County, New York with four of the sites experiencing radon levels in living areas exceeding USEPA's standard of 4.0 pCi/L. Fifty-eight percent of the sites tested had basement radon levels in excess of 4.0 pCi/L.

Based on the database record search, a total of 62 active sites have been identified in the vicinity of the property. The database search also identified 20 "orphan" sites that could not be located electronically due to insufficient records. Upon initial evaluation of these sites and available information gathered by Whitestone, impact to the subject property by the off-site migration of contaminants from, or presence of hazardous substances at, nearby properties may be possible, however, has not been documented. Impacts from off-site sources (if any) would remain the responsibility of the owner/operator of the site from which the contamination is emanating.

5.2 ADDITIONAL ENVIRONMENTAL RECORD SOURCES

The following state and/or local regulatory agencies were contacted with a request to access files regarding the property pursuant to FOIL (see Appendix 3):

1. **United States Environmental Protection Agency**
   Region 2
   290 Broadway
   New York, New York 10007

2. **New York State Department of Environmental Conservation**
   Freedom of Information Law Officer
   One Hunters Point Plaza
   47-40 21st Street
   Long Island City, New York 11101

3. **New York City Department of Environmental Protection**
   Marie A. Dooley, Assistant Counsel
   59-17 Junction Boulevard
   Corona, New York 11368

4. **New York City Department of Health**
   Renee Bryant, Records Access Officer
   125 Worth Street
   Room 604, Box 31
   New York, New York 10013

5. **City of New York Fire Department**
   Bureau of Revenue Management
   9 MetroTech East
   Brooklyn, New York 11201-3857

To date, several written responses have been received from the FOIL requests. According to responses from the USEPA dated March 12, 2012 and March 19, 2012, no air or water program files were located for the subject property, and the site is not listed on the CERCLIS or NFRAP environmental databases. According to a March 8, 2012 from USEPA, no RCRA hazardous waste files were located for 1547 Bassett Avenue, however, RCRA hazardous waste information for 1546 Stillwell Avenue (Amsterdam Color Works) was located in this files. These records indicated that Amsterdam Color Works formerly was a small quantity generator of hazardous wastes under USEPA ID No. NYD001360155. The files also included a 1984 *Complaint, Compliance Order, and Notice of Opportunity for Hearing* and a 1986 *Consent Agreement and Consent Order* issued to Amsterdam Color Works by USEPA in association with noncompliance of the *Solid Waste Disposal Act* and enforcement of the USEPA regulations for hazardous waste management, and a Inspection Form, Checklist, and RCRA Inspection Report for an inspection conducted by USEPA in 1998. No RCRA violations were reported during the 1998 inspection of the subject site.

According to March 28, 2012 email responses from NYSDEC, no records pertaining to the subject property were located after a diligent search of available files. According to March 20, 2012 responses from the New York City Department of Health and Mental Hygiene, no environmental records regarding the subject property were located in their files. According to a March 9, 2012 response from NYCDEP, no records regarding 1538 Stillwell Avenue were located in their files. A March 12, 2012 response from NYCDEP indicated that records regarding 1547 Bassett Avenue were located in their files. Whitestone contacted NYCDEP on March 16, 2012 and was advised that these records were regarding Spill No. 9801434 (see Section 5.2) which was closed on February 12, 2003. According to responses received on March 22, 2012 from the New York City Fire Department, no records regarding existing or removed USTs were located in their files for the subject property.

According to a search of the New York City Department of Building (DOB) website, one open Environmental Control Board (ECB) violation exists for Block 4219, Lot 16. According to DOB records, this violation was issued on April 12, 1993 and pertained to "failure to maintain boiler". A $100.00 penalty was imposed during a scheduled hearing on June 25, 1993, however, compliance has not been recorded. DOB records also indicate that nine open DOB violations exist for Block 4219, Lot 16. DOB records indicate that these violations are associated with the boiler at the subject property, however, no further

information regarding these violations was available. The DOB website did not identify any records regarding Block 4226, Lot 290. According to an April 23, 1941 *Certificate of Occupancy* (COO), Lot 16 was occupied by a paint factory with a boiler room. Additional COOs issued for Block 4219, Lot 16 in 1946 and 1953 indicate that the subject property was occupied by a factory. No COOs historically were issued for Block 4226, Lot 290.

5.3 PHYSICAL SETTING SOURCES

The United States Geological Survey (USGS) *7.5 Minute Topographic Quadrangles - Flushing* dated 1947, 1955, 1966, 1979, and 1995 showing the area on which the subject property is located are provided as Figures 1A through 1E. The 1947 USGS map depicts several structures on and in the vicinity of Lot 16 of the subject property. The remaining USGS maps do not identify structures on the subject property due to the urban setting.

5.4 HISTORICAL USE INFORMATION (SUBJECT PROPERTY)

5.4.1 Aerial Photograph Evaluation

Aerial photographs were procured from EDR for the years 1924, 1954, 1966, 1975, 1984, 1994, and 2006 and reviewed by Whitestone for the subject property. A summary of the photos is outlined below. Copies of the aerial prints are included as Appendix 4.

1924: In 1924, two structures are depicted in the eastern portion of Lot 16 of the subject property while the western portion of Lot 16 appears to be undeveloped. Lot 290 of the subject property appears undeveloped. The site is bound by suspected residential properties to the north, railroad tracks to the east, suspected commercial and residential properties to the south, and undeveloped land beyond Stillwell Avenue to the west.

1954: In 1954, the subject property and surrounding areas appeared to be generally similar to the conditions depicted on the 1924 aerial photograph.

1966: By 1966, a structure consistent with the location and footprint of the current site building was evident on Lot 16. In addition, an increase in residential and commercial development had occurred to the north, south, and beyond Stillwell Avenue to the west between 1954 and 1966.

1975: By 1975, Lot 290 remains undeveloped, however, appears to be used as a storage yard. Otherwise the conditions depicted on this aerial photograph appear generally similar to the conditions depicted on the 1966 aerial photograph.

1984 - 2006: The conditions depicted on these aerial photographs appear generally similar to those identified on the 1975 aerial photograph.

5.4.2 Fire Insurance Maps

Sanborn Fire Insurance Maps are available for this property for the years 1919, 1929, 1950, 1977, 1978, 1981, 1983, 1986, 1989, 1991, 1992, 1993, 1995, 1996, 1998, 2001, 2002, 2003, 2004, 2005, 2006, and 2007. A summary of the pertinent features highlighted by the Sanborn Maps is outlined below. Copies of the Sanborn Fire Insurance Maps are included as Appendix 5.

1919: In 1919, Lot 16 of the subject property was occupied by an unidentified commercial building and a two-story residential dwelling in the eastern portion of the site. The western portion of the site and Lot 290 were undeveloped. The site was bound by residential and undeveloped properties to the north, a railroad yard to the east, undeveloped and residential properties to the south, and undeveloped properties beyond Stillwell Avenue to the west.

1929: In 1929, the industrial building located in the northeastern portion of the site was labeled as "Iron Works". Otherwise, the conditions depicted on this Sanborn Map were generally similar to the conditions depicted on the 1919 Sanborn Map.

1950: By 1950, the northwestern portion of the current site building had been constructed, and the site building is now identified as paint mixing and paint storage. In addition, five storage sheds had been constructed in the southern portion of the site. Otherwise, the conditions depicted on this Sanborn Map were generally similar to the conditions depicted on the 1929 Sanborn Map.

1977: By 1977, the residential structure and shed structures formerly located in the southern portion of the site had been demolished, and the southern portions of the current site building had been constructed. The site building was now identified as Amsterdam Color Works, Inc. Lot 290 of the subject property remained undeveloped. The site was bound by residential properties and an auto repair garage to the north, railroad tracks to the east, auto repair facilities and additional commercial buildings to the south, and auto repair facilities, additional commercial buildings, and residential properties beyond Stillwell Avenue to the west.

1979 - 1983: The conditions depicted on these Sanborn Maps appear generally similar to the conditions depicted on the 1977 Sanborn Map.

1986: By 1986, a one-story shed structure identified as storage was constructed on Lot 290 of the subject property. The use of this lot was identified as "barrel storage". Otherwise, the conditions depicted on this Sanborn Map were generally similar to the conditions depicted on the 1983 Sanborn Map.

1988 - 2007: The conditions depicted on these Sanborn Maps appear generally similar to the conditions depicted on the 1986 Sanborn Map.

5.4.3 Property Tax Files

Online information obtained from the New York City Tax Assessors website indicated that Block 4219, Lot 16 (identified as 1538 Stillwell Avenue) currently is owned by Stephen Offerman located at 3326 Merritt Avenue, Bronx, New York. Block 4226, Lot 290 (identified as Bassett Avenue) currently is owned by Amsterdam Color Works, Inc. located at 1546 Stillwell Avenue, Bronx, New York. This website also indicated that the subject property is located within an M1-1 manufacturing zoning district.

5.4.4 Recorded Land Title Records

Historic ownership information obtained from the New York City Tax Assessor's website indicate the following conveyances:

Lot(s)	Date	Grantor	Grantee	Reel	Page
16	June 13, 1989	Victoria Offerman	Stephen Offerman	925	1894
	June 13, 1989	Doris Offerman	Stephen Offerman	925	1333
	February 9, 1989	Doris Offerman as Executer of Abraham Offerman	Doris Offerman	925	1330
	December 17, 1976	Abraham Offerman and Victoria Offerman d/b/a Morris Park House Company and Amclo Realty Corp.	Abraham Offerman	331	1595
	July 1, 1974	Morris Park House, Inc.	Abraham Offerman and Sidney Offerman d/b/a Morris Park House Company	251	426
	June 23, 1971	Abraham Offerman, Sidney offerman, and Stephen Offerman d/b/a Amclo Realty Corp.	Morris Park House, Inc.	158	1478
	July 1, 1969	Amclo Realty	Abraham Offerman, Sidney offerman, and Stephen Offerman d/b/a Amclo Realty Corp.	158	1480
290	October 15, 1990	Victoria Offerman	Amsterdam Color Works, Inc.	1022	865
	October 6, 1976	Victoria Offerman	Victoria Offerman	322	638

5.4.5 USGS Topographic Maps

The United States Geological Survey (USGS) *7.5 Minute Topographic Quadrangles - Flushing* dated 1947, 1955, 1966, 1979, and 1995 showing the area on which the subject property is located are provided as Figures 1A through 1E. The 1947 USGS map depicts several structures on and in the vicinity of Lot 16 of the subject property. The remaining USGS maps do not identify structures on the subject property due to the urban setting.

5.4.6 City Directory Search

Whitestone utilized the services of Environmental Data Resources, Inc. to conduct an electronic search of business directories at approximately five-year intervals for the years spanning 1927 through 2005 (see Appendix 6). This search revealed the following occupants have occupied the subject property addresses:

1927: Addresses Not Listed in Research Source
1931: Residential (1538 Stillwell Avenue)
1940: Addresses Not Listed in Research Source
1949: Addresses Not Listed in Research Source
1956: Addresses Not Listed in Research Source
1961: Amsterdam Color Works, Inc. Paints (1546 Stillwell Avenue)
1965: Amsterdam Color Works, Inc. Paints (1546 Stillwell Avenue)
1971: Amsterdam Color Works, Inc. Paints (1546 Stillwell Avenue)
1976: Amsterdam Color Works, Inc. Paints (1546 Stillwell Avenue)
1983: Amsterdam Color Works, Inc. Paints (1546 Stillwell Avenue)
1993: Amsterdam Color Works, Inc. Paints (1546 Stillwell Avenue)
2000: Amsterdam Color Works, Inc. Paints (1546 Stillwell Avenue)
2005: NCL (1546 Stillwell Avenue)

5.4.7 Building Department Records

According to a search of the New York City Department of Building (DOB) website, one open Environmental Control Board (ECB) violation exists for Block 4219, Lot 16. According to DOB records, this violation was issued on April 12, 1993 and pertained to "failure to maintain boiler". A $100.00 penalty was imposed during a scheduled hearing on June 25, 1993, however, compliance has not been recorded. DOB records also indicate that nine open DOB violations exist for Block 4219, Lot 16. DOB records indicate that these violations are associated with the boiler at the subject property, however, no further information regarding these violations was available. The DOB website did not identify any records regarding Block 4226, Lot 290. According to an April 23, 1941 *Certificate of Occupancy* (COO), Lot 16 was occupied by a paint factory with a boiler room. Additional COOs issued for Block 4219, Lot 16 in 1946

and 1953 indicate that the subject property was occupied by a factory. No COOs historically were issued for Block 4226, Lot 290.

5.4.8 Zoning/Land Use Records

According to the New York City Tax Assessor's website, the subject property is located in a M1-1 manufacturing zoning district.

5.4.9 Additional Historical Sources

In addition to the historical references discussed above, Whitestone also reviewed the following documents pertinent to the subject property and the surrounding area:

- March 8, 2012 preliminary *Boundary & Topographic Survey* prepared by Control Point Associates, Inc.

This survey depicts site conditions to be consistent with conditions observed during Whitestone's site reconnaissance. This survey indicates that topography at the site to slope downward from a high elevation of approximately 27 feet above mean sea level (msl) in the western portion of the site to a low elevation of approximately 17 feet above msl in the eastern portion of the site.

- March 8, 1976 *Title Survey* prepared by Krause Land Surveyors.

This survey was conducted on Block 4226, Lot 1 (currently identified as Block 4226, Lot 290) and indicates that this portion of the subject property was used for parking and storage. A metal shed depicted in the northern-central portion of this lot has since been removed.

- Undated *Concept Site Plan* prepared by Butz Wilbern, Ltd.

This plan indicates that the proposed redevelopment of the subject site will include demolition of the on-site building and construction of an approximately 42,885 square feet (footprint), three-story self storage building with a basement on Lot 16 (western portion of the site) and two, one-story self storage buildings (9,324 square feet and 7,756 square feet) on Lot 290 (eastern portion of the site).

- May 2, 2008 *Order* and September 8, 2011 *Notice of Compliance* issued by NYCDEP.

The *Order* indicated that on May 2, 2008 NYCDEP became aware of a substantial threat of release of flammable liquids on Lot 16 of the subject property. The site owner, Stephen Offerman, was ordered to remediate the condition caused by the hazardous substance in accordance with all applicable federal, state, and local laws and regulations, and provide information to NYCDEP regarding the removal of hazardous

substances/wastes from the site including hazardous waste manifests and bills of lading. The *Notice of Compliance* indicates that compliance associated with this reported threatened release of hazardous substances was achieved on September 8, 2011.

- June 3, 2011 *Phase I Environmental Site Assessment Report* prepared by Middleton Environmental, Inc. (MEI).

The key findings of MEI's Phase I ESA are as follows:

- This investigation was conducted on Block 4219, Lot 16 for Amsterdam Color Works. The site building was vacant at the time of MEI's site inspection, however, formerly was utilized by Amsterdam Color Works as a paint and varnish manufacturing facility dating back to 1941.

- RECs identified by MEI during this Phase I ESA included two sealed fill ports on Bassett Avenue and a concrete cut out in the pavement in the basement of the site building. MEI also observed several floor drains inside the building, several of which were permanently sealed, and the drainage end points could not be verified.

- MEI recommended conducting a ground penetrating radar (GPR) survey in order to determine if USTs remained on site. A Phase II Site Investigation also was recommended to be conducted at the site in order to determine if releases from current or former tanks have impacted subsurface conditions. MEI also recommended that the property owner contact a licensed plumber to determine the discharge endpoints of the floor drains.

5.5 HISTORICAL USE INFORMATION (ADJOINING PROPERTIES)

The area surrounding the subject property historically consisted of a mix of residential, commercial, and industrial uses. The immediate area surrounding the subject property currently and historically has been occupied by residential dwelling and various automobile repair facilities dating back to the 1950's.

5.6 DATA GAPS/DATA FAILURES

The presence of construction equipment and materials, automobiles, etc. on Lot 290 of the subject property limited surface observations and may have impeded the inspector's ability to observe certain on-site RECs and/or BERs.

To date, a title report has not been provided to Whitestone for review, and a FOIL response has not been received from the New York City Fire Department.

No other significant or pertinent data gaps or data failures regarding the subject property were identified during this Phase I ESA.

SECTION 6.0
Site Reconnaissance

6.1 METHODOLOGY AND LIMITING CONDITIONS

Whitestone conducted a reconnaissance of accessible portions of the subject property on March 5, 2012. Existing site conditions and potential recognized environmental conditions (RECs) were photographed (see Appendix 1) and are documented below. Suggestions for the further investigation and/or remediation of the RECs identified in the following subsections are outlined in Section 8.0.

The presence of construction equipment and materials, automobiles, etc. on Lot 290 of the subject property limited surface observations and may have impeded the inspector's ability to observe certain on-site RECs and/or BERs.

6.2 GENERAL SITE SETTING

The subject property consists of two separate parcels located at 1538 and 1546 Stillwell Avenue (Block 4219, Lot 16) and 1547 and 1549 Bassett Avenue (Block 4226, Lot 290) in the Bronx, Bronx County, New York, Latitude 40.8538 North, Longitude 73.8419 West. The parcels are separated by Bassett Avenue and comprise a total of 1.01 acres.

Lot 16 of the subject property is situated between Stillwell Avenue and Bassett Avenue and currently houses a vacant, one- and two-story commercial structure that covers the entire lot. Lot 290 of the subject property is situated east of Bassett Avenue and houses several fenced storage yards.

6.2.1 Current Uses of the Property

Lot 16 of the subject property currently houses a vacant commercial building. Lot 290 consists of seven individually fenced storage yards utilized by various tenants for the storage of construction equipment and materials, portable bathrooms, and automobiles.

6.2.2 Historic Uses of the Property

According to historical sources reviewed by Whitestone and conversations with the site owner, Stephen Offerman, the site building located on Lot 16 has been vacant since approximately 2005. Prior to that time, the building was occupied by Amsterdam Color Works, a paint manufacturer, dating back to 1941, when the original northern portion of the building was constructed. Additions to the southern portion of the building occurred between the 1950's and early 1960's. Historic Sanborn Maps dated 1919 and 1929 depict a

commercial building identified as "iron works" and a residential building on Lot 16. With the exception of a small, one-story storage shed located in the central portion of the lot on Sanborn Maps dated 1992 through 2007, Lot 290 historically has been undeveloped and used as a storage yard. According to the site owner, this area of the site historically was a drainage ditch located along the railroad tracks and was filled in and graded approximately 40 years ago. Mr. Offerman also indicated that the former shed structure located on Lot 290 was not serviced by utilities.

6.2.3 Current Uses of Adjoining Properties and the Surrounding Area

The site is bound by Bay Powder Coating Corp., Sacco, and residential buildings to the north, an Acela High Speed Transit Train line to the east, New Plumbing and Heating Corp., a vacant building, a lot with junk cars, and Frank & Son Autobody to the south, and F&J Transmission, Temple of Joy, Italy A&P Auto Repair, Carib Prints, Ltd. Beyond Stillwell Avenue to the west.

6.2.4 Historic Uses of Adjoining Properties and the Surrounding Area

The area surrounding the subject property historically consisted of a mix of residential, commercial, and industrial uses. The immediate area surrounding the subject property currently and historically has been occupied by residential dwelling and various automobile repair facilities dating back to the 1950's.

6.2.5 Geologic, Hydrogeologic, Hydrologic and Topographic Characteristics

6.2.5.1 Topography/Geology

According to a March 8, 2012 preliminary *Boundary & Topographic Survey* prepared by Control Point Associates, Inc., topography at the site slopes downward from a high elevation of approximately 27 feet above mean sea level (msl) in the western portion of the site to a low elevation of approximately 17 feet above msl in the eastern portion of the site. The subject site is situated within the Manhattan Prong Physiographic Province of Southeastern New York. The area is underlain by the Hartland Formation that generally consists of basal amphibolite overlain by pelitic schists. Overburden materials typically include residual materials derived from weathering of the underlying bedrock. The residual materials are anticipated to overlay the weathered rock/bedrock. Overburden materials also include man-made fill associated with past and present development of the subject site.

Borings conducted during Whitestone's March 5, 2012 preliminary geotechnical investigation encountered the following:

Surface Materials: Borings performed within existing floor slab, asphalt pavement, and gravel covered areas encountered approximately 3.1 inches to 4.5 inches of Portland cement concrete at the surface,

approximately 1.5 inches to two inches of asphalt at the surface underlain by zero inches to approximately one inch of gravel subbase materials, or approximately three inches to four inches of gravel at the surface.

Fill Materials: Underlying the surface cover, a majority of the borings performed encountered existing fill materials that generally consisted of either silty sand with variable amounts of gravel and debris or poorly graded sand with silt and gravel. The debris encountered consisted of coal and asphalt fragments. The existing fill materials, when encountered, extended to depths ranging from approximately two fbgs to seven fbgs.

Residual Materials: Beneath the surface cover or existing fill materials, the borings encountered natural residual materials generally consisting of either sandy micaceous silt or silty micaceous sand with a variable amount of gravel to depths ranging from approximately four fbgs to 13.5 fbgs.

Weathered Rock (Stratum 3, NYC Class 1d): Below the residual materials, the borings encountered very highly weathered schist. One of the borings was terminated within the weathered rock stratum following five feet of rock coring at the depth of approximately 10.1 fbgs, and four of the borings were terminated at the residual materials/weathered rock interface due to machine auger refusal at depths ranging from approximately 4.5 fbgs to 13.5 fbgs. Within the remaining borings, the weathered rock stratum extended to depths ranging between approximately 9.5 fbgs and 10.3 fbgs.

Bedrock (Stratum 4, NYC Class 1a): Underlying the weathered rock, two of the borings encountered schist bedrock. These boring included approximately five feet or 10 feet of rock coring into bedrock and were terminated at depths of approximately 14.5 fbgs and 15.3 fbgs.

According to the site owner, Lot 290 of the subject property historically was a drainage ditch located along the railroad tracks and was filled in and graded approximately 40 years ago.

6.2.5.2 Surface Water/Wetlands

No evidence of surface water or wetlands areas was observed on site. The subject property is not described on the United States Fish and Wildlife Service *National Wetlands Inventory Interactive Mapper* as a mapped wetlands area. A wetlands survey/delineation was beyond the scope of this Phase I ESA.

6.2.5.3 Groundwater

The nearest groundwater well for which public database information is available is located 0.35 mile from the site. A database search of regulatory and public records did not identify reported groundwater wells within one mile north and east of the subject property. The closest federal and/or state database wells south and west of the site are characterized as follows:

Location	Distance to Site	Well Depth	Depth to Groundwater	Comments
South Quadrant	0.97 Mile	70 Feet	Not Reported	Federal USGS Well
West Quadrant	0.35 Mile	18 Feet	Not Reported	Federal USGS Well

The wells listed above are not noted as having environmental violations associated with their usage.

Groundwater was encountered in one boring at a depth of approximately 10.0 fbgs during Whitestone's March 5, 2012 preliminary geotechnical investigation.

6.2.6 General Description of Structures

Lot 16 of the subject property is improved with a vacant, one- and two-story, approximately 31,166 square feet (footprint) commercial structure that covers the entire lot. Lot 290 of the subject property is situated east of Bassett Avenue and consists of several fenced storage yards.

The ground floor/basement area of the site building is divided into four open sections formerly used for paint storage and mixing (per Sanborn Maps) with restrooms in the central portion and a loading dock area in the western portion of the building. The second floor of the site building consists of open space with offices in the northwestern and northeastern portions of the building. With the exception of the storage yard located directly across from the site building which is vacant, the fenced storage yards that comprise Lot 290 consist of construction equipment and materials, portable bathrooms, and automobiles.

6.2.7 Roads

The subject property can be accessed from Stillwell Avenue to the west of the subject site, and by Bassett Avenue which traverses the eastern and western portions of the subject site.

6.2.8 Potable Water Supply

The subject property is serviced by public water provided by the New York City Water Supply System. No evidence of current or former water wells was observed on site during Whitestone's site reconnaissance.

6.2.9 Sewage Disposal System

The site building is serviced by the New York City sanitary sewer system, and no evidence of current or prior on-site septic system components was observed during Whitestone's site reconnaissance.

6.3 EXTERIOR OBSERVATIONS

6.3.1 Hazardous Substances and Petroleum Products

As part of the site reconnaissance effort, Whitestone canvassed the exterior areas of the subject property and the boundaries of immediately adjoining properties. No hazardous materials and/or wastes and/or petroleum products were observed during Whitestone's exterior reconnaissance.

The subject property is identified on the NY Spills database under Amsterdam Paint Factory located at 1547 Bassett Avenue. According to the database report, a release of approximately 25 gallons of paint thinner was reported to NYSDEC on May 2, 1998, and Spill No. 9801434 was assigned to the site. The database indicates that runoff from a fire contained miscellaneous paint materials that entered the sewer. No additional information was available from the database report or NYSDEC's Spills Database, however, this spill case was closed on February 12, 2003.

6.3.2 Storage Tanks/Pipelines

6.3.2.1 Underground Storage Tanks (USTs)

As noted in Section 5.1, no USTs are registered at the subject property, however, according to the site owner, one 1,000 gallon heating oil UST and two 1,000 solvent USTs reportedly were removed from the eastern and western interior portions of the site building over 20 years ago. The site owner indicated that, to his knowledge, sampling was not conducted following tank removal, and no documentation regarding the UST removal activities is available.

In addition, evidence of a suspected existing UST (fill port) was observed in the sidewalk area to the east of the site building along Bassett Avenue and a vent pipe was observed at the northwestern exterior of the site building along Stillwell Avenue, however, no information regarding this suspected UST or the vent pipe was available from the site owner.

According to responses received on March 22, 2012 from the New York City Fire Department, no records regarding existing or removed USTs were located in their files for the subject property.

6.3.2.2 Aboveground Storage Tanks (ASTs)

As noted in Section 5.1, no ASTs are registered at the subject site, however, two 275 gallon heating oil ASTs were observed in the northern portion of the site building. No indications of prior ASTs were observed on site during Whitestone's site reconnaissance, however, former ASTs associated with paint mixing and storage historically were suspected on site.

6.3.2.3 Pipelines and Other Storage Vessels

No pipelines or other storage vessels were observed on the subject property during Whitestone's site reconnaissance.

6.3.3 Odors

No odors were noted during Whitestone's exterior site reconnaissance.

6.3.4 Pools of Liquid

No pools of liquid were observed during Whitestone's exterior site reconnaissance.

6.3.5 Drums

No drums were observed during Whitestone's exterior site reconnaissance.

6.3.6 Hazardous Substances and Petroleum Product Containers

No hazardous materials and/or wastes and/or petroleum products were observed during Whitestone's exterior reconnaissance.

6.3.7 Unidentified Substance Containers

No unidentified substance containers were observed during Whitestone's exterior site reconnaissance.

6.3.8 Pits, Ponds, and Lagoons

No pits, ponds, or lagoons were observed on or in the vicinity of the subject property.

6.3.9 Stained Soil or Pavement

No stained soil or pavement was observed at the subject property during Whitestone's site reconnaissance, however, the presence of construction equipment and materials, automobiles, etc. on Lot 290 of the subject property limited surface observations and may have impeded the inspector's ability to observe certain on-site RECs and/or BERs.

6.3.10 Stressed Vegetation

No stressed vegetation was observed at the subject property during Whitestone's site reconnaissance.

6.3.11 Solid Waste

Solid waste currently is not generated on-site

6.3.12 Wastewater

Sanitary wastewater generated on site currently is discharged to the sanitary sewer system.

6.3.13 Wells

No evidence of potable water or groundwater monitor wells was observed on site during Whitestone's site reconnaissance.

6.3.14 Septic Systems

The site building is serviced by the New York City sanitary sewer system, and no evidence of current or prior on-site septic system components was observed during Whitestone's site reconnaissance.

6.3.15 Current/Past Agricultural Activity

No current or past agricultural activities have been identified during this Phase I ESA.

6.3.16 Potential Off-Site Impacts/Concerns

Several properties in close proximity to the subject site have been identified on various state and federal listings. An impact to on-site conditions from off-site sources has not been documented, and environmental liability associated with migration of contaminants to the subject site would remain the responsibility of the owner/operator of the generating facility.

6.4 INTERIOR OBSERVATIONS

Lot 16 of the subject property is situated between Stillwell Avenue and Bassett Avenue and currently houses a vacant, one- and two-story commercial structure that covers the entire lot. Lot 290 of the subject property is situated east of Bassett Avenue and consists of several fenced storage yards. With the exception of one

five-gallon container of lubricating oil and one five-gallon container of paint, no hazardous materials or potentially hazardous materials were observed within the site building. No evidence of release was noted in the vicinity of the lubricating oil and paint containers.

A May 2, 2008 *Order* issued by NYCDEP indicated that on May 2, 2008, NYCDEP became aware of a substantial threat of release of flammable liquids on Lot 16 of the subject property. The site owner, Stephen Offerman, was ordered to remediate the condition caused by the hazardous substance in accordance with all applicable federal, state, and local laws and regulations, and provide information to NYCDEP regarding the removal of hazardous substances/wastes from the site including hazardous waste manifests and bills of lading. According to a September 8, 2011 *Notice of Compliance* issued by NYCDEP, compliance associated with this reported threatened release of hazardous substances was achieved on September 8, 2011.

6.4.1 Heating/Cooling

The site building currently is heated by natural gas, however, formerly was heated by heating oil stored in one 1,000 gallon UST formerly located in the northwestern interior of the site building.

6.4.2 Stains or Corrosion

No staining or corrosion was observed within the site building during Whitestone's site reconnaissance.

6.4.3 Drains and Sumps

Several open floor drains and two sealed floor drains were observed within the site building. These drains reportedly discharge/discharged to the sanitary sewer system. According to the site owner, a pit observed in the eastern portion of the building was a drain for rainwater from the roof, and was not a sump. No sumps were observed within the site building during Whitestone's site reconnaissance.

6.4.4 Indications of Polychlorinated Biphenyls (PCBs)

Sites developed prior to 1980 may house oil-filled electrical, mechanical, hydraulic, or heat transfer equipment and/or flourescent light ballasts containing polychlorinated biphenyls (PCBs). Suspect PCB equipment observed on site included flourescent light ballasts. The flourescent light ballasts could not be accessed for inspection during Whitestone's site reconnaissance and should be evaluated to confirm PCB content prior to demolition. Historically, PCBs also were used in the manufacture of certain military paints, however, Whitestone could not confirm if Amsterdam Color Works historically manufactured paint for the military.

6.4.5 Asbestos Containing Materials (ACM)

Structures pre-dating 1980 may have been built using asbestos containing construction or insulation materials. Although the building on Lot 93 was constructed in 2005, an asbestos survey was conducted at the request of the client in conjunction with the Phase I ESA to collect and analyze materials suspected to contain asbestos. Results of the asbestos survey are presented in Section 9.0.

6.4.6 Lead Based Paint (LBP)

Structures pre-dating 1980 may be coated with lead based paints (LBP). Delaminating, peeling painted surfaces were not observed on interior or exterior surfaces of the building located on Lot 16, however, based on the age of this structure (constructed in 1941), the presence of LBP is suspected.

6.4.7 Mold/Microbial Growth

No areas of mold/microbial growth were observed on interior or exterior portions of the site building during Whitestone's site reconnaissance.

SECTION 7.0
Interviews

Telephone and/or in-person interviews conducted with the following public officials and knowledgeable site representatives are summarized below.

7.1 Interviews with Site Owner

Name, Title: Stephen Offerman, Site Owner
Representing: Amsterdam Color Works, Inc.
Date & Time Contacted: March 21, 2012 and March 30, 2012
Type of Interview: Phone

Whitestone interviewed Mr. Offerman on March 21, 2012 and March 30, 2012 to obtain information regarding the subject property. Mr. Offerman indicated that the site building located on Lot 16 has been vacant since approximately 2005, and historically was occupied by Amsterdam Color Works, a paint manufacturer, dating back to the 1940's. Mr. Offerman stated that Lot 290 of the subject property historically was a drainage ditch located along the railroad tracks and was filled in and graded approximately 40 years ago. This lot has been used as a storage yard since that time. Mr. Offerman indicated that the shed structure formerly located on Lot 290 was not serviced by utilities. Mr. Offerman indicated that the site building currently is serviced by electricity, natural gas, public water and sewer, and heating oil stored in two 275 gallon ASTs. According to Mr. Offerman, one 1,000 gallon heating oil UST and two 1,000 solvent USTs previously were removed from the eastern and western interior portions of the site building over 20 years ago, however, to his knowledge, no sampling was conducted following tank removal, and no documentation regarding the UST removal activities is available. Mr. Offerman could not provide Whitestone with information regarding a suspected UST located beneath the sidewalk to the east of the site building along Bassett Avenue or a vent pipe observed at the northwestern exterior of the site building along Stillwell Avenue. Mr. Offerman stated that a pit observed in the eastern portion of the building was a drain for rain water from the roof, and was not a sump.

7.2 Interviews with Site Manager

An interview with the site owner/site manager is described in Section 7.1 above.

7.3 Interviews with Occupants

No occupants were present during Whitestone's site reconnaissance. An Interview with the site owner is described in Section 7.1 above.

7.4 Interviews with Local Government Officials

Whitestone obtained information regarding the subject property from the New York City Department of Buildings website and the New York City Tax Assessor's website. No interviews with government officials were conducted.

7.5 Interviews with Others

Name, Title: Vitaly Weiler, FOIL Liason
Representing: NYCDEP Division of Pollution Control and Monitoring.
Date & Time Contacted: March 16, 2012
Type of Interview: Phone

Whitestone contacted NYCDEP on March 16, 2012 and was advised that records found for 1547 Bassett Avenue were regarding Spill No. 9801434 (see Section 5.2) which was closed on February 12, 2003.

Copies of Records of Communication for each of the telephone and/or in-person interviews listed above are included in Appendix 3.

SECTION 8.0
Findings, Conclusions, and Recommendations

Whitestone Associates, Inc. has performed a Phase I Environmental Site Assessment in general accordance with the scope and limitations of ASTM Standard Practice E1527-05 and the conditions of Section 2.2 of this report of the existing commercial building and storage lots (proposed self-storage facility) located at 1538 and 1546 Stillwell Avenue and 1547 and 1549 Bassett Avenue in Bronx, Bronx County, New York . The Phase I ESA activities identified several recognized environmental conditions (RECs) that warrant further consideration. These RECs and suggestions for their further investigation or remediation are outlined below.

8.1 FINDINGS

8.1.1 Summary of RECs

This assessment has revealed evidence of the following ***recognized environmental conditions*** (RECs) in connection with the subject property:

- Based on historical sources reviewed by Whitestone, Lot 16 of the subject property historically was occupied by a paint manufacturing facility (Amsterdam Color Works, Inc.) from 1941 until 2005. Paint manufacturing operations typically include the use/storage of hazardous substances (including petroleum distillates, volatile organic solvents, pigments, dyes, etc.) and the generation of hazardous wastes. Accordingly, impacts to subsurface conditions from former site operations are suspected. The subject property is identified on the RCRA Administrative Action Tracking System (RAATS), RCRA Small Quantity Generators (SQG), Integrated Compliance Information System (ICIS), Facility Index System (FINDS), and Manifest environmental databases under Amsterdam Color Works, Inc. located at 1546 Stillwell Avenue (USEPA ID No. NYD001360155). According to the database report, Amsterdam Collor Works currently is listed as a small quantity generator of hazardous waste, however, formerly was a large quantity generator of hazardous waste prior to 2002.

- According to the site owner, one 1,000 gallon heating oil underground storage tank (UST) and two 1,000 solvent USTs reportedly were removed from the eastern and western interior portions of the site building over 20 years ago. The site owner indicated that, to his knowledge, no sampling was conducted following tank removal, and no documentation regarding the UST removal activities is available.

- Evidence of a suspected existing UST (fill port) was observed in the sidewalk area to the east of the site building along Bassett Avenue, and a vent pipe was observed at the northwestern exterior of the site building along Stillwell Avenue, however, no information regarding this suspected UST or the vent pipe was available from the site owner.

- Urban properties such as the subject site typically have been filled with material imported from off-site sources during initial site development or subsequent redevelopment to achieve final grades. According to the site owner, Lot 290 of the subject property historically was a drainage ditch located along the railroad tracks and was filled in and graded approximately 40 years ago. Fill materials consisting of either silty sand with variable amounts of gravel and debris or poorly graded sand with silt and gravel were encountered at the subject property to depths of up to seven feet below ground surface (fbgs) during Whitestone's March 2012 preliminary geotechnical investigation. Such non-native materials may contain contaminants exceeding applicable standards.

8.1.2 Summary of Business Environmental Risks

Items that are not identified as RECs, however, may require limited investigation or corrective action as business environmental risks (BERs) include the following:

- Laboratory analyses of the bulk samples confirmed asbestos present at concentrations greater than one percent in approximately 360 square feet of tan vinyl floor tile (bottom layer) and associated mastic in the second floor front offices; approximately 360 square feet of brown vinyl floor tile (bottom layer) and associated mastic in the second floor front offices; approximately 2,000 linear feet of braided electrical wire insulation to lights and conduits scattered throughout the building; approximately 12 linear feet of corrugated pipe insulation in the second floor utility room; approximately 2,300 square feet of miscellaneous tar in the roof levels; approximately 21,000 square feet of roofing material on the roof levels; approximately 3,700 square feet of flashing material on the roof levels; and approximately 45 square feet of coping stone caulk on the roof levels. The identified ACM must be abated prior to proposed building demolition. Whitestone recommends direct negotiation with select, quality contractors who are properly licensed, bonded and insured for asbestos abatement. Full monitoring, inspection and documentation of abatement activities by an experienced industrial hygiene firm will aid in ensuring compliance with health and safety codes. Prior to commencing abatement activities, intrusive evaluation beneath fixed units within the building (under counters, refrigeration units, fixed equipment, behind walls, above ceilings, etc.) may be warranted to confirm or refute the presence of ACM in previously inaccessible spaces. The approximated quantities of ACM are estimates based on material visible to the inspector and/or assumed and inferred based on observed site conditions. Such volumes/areas can vary, and obscured materials could be encountered during abatement or demolition. Whitestone recommends that a licensed/certified asbestos project designer assemble a detailed bid specification for asbestos abatement that allows for calculating final contract price based on actual ACM quantities removed. The project designer should conduct a comprehensive pre-bid site visit with the selected bidding abatement contractors once the building has been vacated and prior to contracting for abatement services in order to verify ACM quantities.

- The subject property is identified on the NY Spills database under Amsterdam Paint Factory located at 1547 Bassett Avenue. According to the database report, a release of approximately 25 gallons of paint thinner was reported to NYSDEC on May 2, 1998, and Spill No. 9801434 was assigned to the site. The database indicates that runoff from a fire contained miscellaneous paint materials that

entered the sewer. No additional information was available from the database report or NYSDEC's Spills Database, however, this spill case was closed on February 12, 2003.

- A May 2, 2008 *Order* issued by NYCDEP indicated that on May 2, 2008, NYCDEP became aware of a substantial threat of release of flammable liquids on Lot 16 of the subject property. The site owner, Stephen Offerman, was ordered to remediate the condition caused by the hazardous substance in accordance with all applicable federal, state, and local laws and regulations, and provide information to NYCDEP regarding the removal of hazardous substances/wastes from the site including hazardous waste manifests and bills of lading. According to a September 8, 2011 *Notice of Compliance* issued by NYCDEP, compliance associated with this reported threatened release of hazardous substances was achieved on September 8, 2011.

- Two 275 gallon heating oil ASTs were observed in the northern portion of the site building. The ASTs and their contents (if any) should be removed for compliant off-site recycling or disposal prior to building demolition and site redevelopment.

- Fluorescent light ballasts and oil-filled electrical and hydraulic equipment in buildings constructed prior to 1980 should be suspected to contain PCBs. Suspect PCB equipment observed on site (fluorescent light ballasts) should be evaluated for PCB content and disposed accordingly if not scheduled for reuse. Historically, PCBs also were used in the manufacture of certain military paints. Whitestone was unable to confirm if Amsterdam Color Works historically manufactured paint for the military, and this information should be obtained from the site owner.

- Delaminating and peeling painted surfaces were not observed on interior or exterior surfaces of the site building, however, based on the age of the site structure, LBP should be suspected and confirmed prior to building renovation or demolition.

- Hazardous materials and/or solid wastes observed on site should be segregated, containerized, and removed from the site, and disposed, recycled or reused off-site in accordance with federal and state waste management regulations.

- Several properties in close proximity to the subject site have been identified on various state and federal listings. Environmental liability associated with migration of contaminants to the subject site from off-site locations would remain the responsibility of the owner/operator of the generating facility.

8.2 OPINION

The RECs and BERs noted above may present a threat of future liability or potential cost or time delay to implement future use or redevelopment of the site, and warrants further attention as outlined in Section 8.3 below.

8.3 CONCLUSIONS AND RECOMMENDATIONS

The following activities are recommended to address the RECs listed in Section 8.1.

- A Phase II SI including soil and groundwater sampling and analyses is recommended to verify current subsurface conditions and determine if impacts have occurred from historic fill, former site operations, and current and former USTs. Phase II SI activities should include a ground penetrating radar (GPR) survey to confirm or refute the presence of on-site USTs. Phase II SI activities have been conducted at the site by Whitestone, results of which have been reported under separate cover.

- USTs encountered on site must be removed in accordance with local and state regulations. If impacts to subsurface conditions are encountered during removal, NYSDEC must be notified and the appropriate remedial actions conducted.

- Excess soil/fill material excavated during future site redevelopment activities should be stockpiled for subsequent characterization and off-site management in accordance with federal and state waste management regulations unless contaminant concentrations or institutional controls allow such material to remain on site.

- Since the future use of the property does not include the storage or generation of federally regulated hazardous wastes, the property should be delisted from the RCRIS SQG database through notification to USEPA Region 2 and NJDEP.

8.4 DEVIATIONS AND DATA GAPS/FAILURES

Whitestone has performed a Phase I Environmental Site Assessment of the subject property in conformance with the scope and limitations of ASTM Practice 1527-05 with the following exceptions and/or deletions:

- The presence of construction equipment and materials, automobiles, etc. on Lot 290 of the subject property limited surface observations and may have impeded the inspector's ability to observe certain on-site RECs and/or BERs.

- To date, a title report has not been provided to Whitestone for review, and a FOIL response has not been received from the New York City Fire Department.

No other significant or pertinent data gaps or data failures regarding the subject property were identified during this Phase I ESA.

8.5 REFERENCES

1. American Society of Testing Materials (ASTM) *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (E1527-05).

2. Aerial photographs provided by EDR for the years 1924, 1954, 1966, 1975, 1984, 1994, and 2006.

3. Sanborn Fire Insurance Maps for the years 1919, 1929, 1950, 1977, 1978, 1981, 1983, 1986, 1989, 1991, 1992, 1993, 1995, 1996, 1998, 2001, 2002, 2003, 2004, 2005, 2006, and 2007.

4. United States Geological Survey (USGS) *7.5 Minute Topographic Quadrangles - Flushing* dated 1947, 1955, 1966, 1979, and 1995.

5. *EDR - Radius Map with GeoCheck, Former Amsterdam Color Works, 1538-1546 Stillwell Avenue, Bronx, New York* prepared by EDR dated March 1, 2012.

6. *EDR - City Directory Abstract* dated March 2, 2012.

7. United States Fish and Wildlife Service *National Wetlands Inventory Interactive Mapper.*

8. March 8, 2012 preliminary *Boundary & Topographic Survey* prepared by Control Point Associates, Inc.

9. Undated *Concept Site Plan* prepared by Butz Wilbern, Ltd.

10. June 3, 2011 *Phase I Environmental Site Assessment Report* prepared by Middleton Environmental, Inc. (MEI).

11. March 8, 1976 *Title Survey* prepared by Krause Land Surveyors.

12. New York City Tax Assessor's website.

13. New York City Department of Buildings (DOB) website.

SECTION 9.0
Additional Services - Asbestos Survey

In addition to the Phase I ESA activities, Whitestone was retained to conduct a Survey for Asbestos Containing Materials (ACM) in association with the Phase I ESA of the subject property.

The subject structure was surveyed on March 5, 2012 by Jeremy M. Hassett, an AHERA-certified, New York State- and New York City-licensed asbestos inspector (licenses #02-11519 and #117558, respectively; copies provided in Appendix 8). Bulk samples of both friable and non-friable suspect ACM were collected, placed into homogeneous groups, quantified, and sampled in accordance with the AHERA protocol. The inspector collected a total of 95 bulk samples that represented each homogeneous material suspected of containing asbestos.

The approximate locations of samples collected during the site survey are indicated on the *Asbestos Sample Location Plans* provided as Figures 3A through 3C. Laboratory analytical results are presented in Appendix 9 and outlined in Table 1 at the end of this section.

9.1 METHODOLOGY

9.1.1 Inspection Process

The initial phase of the asbestos survey involved a visual evaluation of the subject structure. After compiling the relevant documentation pertaining to the structure, a strategy was developed to enable the subject property to be evaluated in the most time-efficient and least-disturbing manner practical.

During the visual evaluation, accessible areas of the subject structure were observed, and samples were collected of suspicious materials encountered. Suspect homogenous materials were classified into either Surfacing Materials, Thermal Insulation, or Miscellaneous categories and sampled in accordance with sampling frequencies outlined in 40 CFR Part 763, Subpart E as follows:

Surfacing Materials:

- Collect at least three bulk samples from each homogeneous area that is 1,000 square feet or less.
- Collect at least five bulk samples from each homogeneous area that is greater than 1,000 square feet but less than 5,000 square feet.
- Collect at least seven bulk samples from each homogeneous area that is greater 5,000 square feet.

Thermal System Insulation:

- Collect at least three bulk samples from each homogeneous area.
- Collect at least one bulk sample from each homogeneous area of patched thermal insulation that is less than six linear or six square feet.
- Collect at least three bulk samples from cement or plaster fittings, tees, elbows, valves, etc. in a manner sufficient to determine whether the material is an ACM.

Miscellaneous and Non-Friable Material:

- Collect at least three bulk samples from each homogeneous area of friable miscellaneous material and non-friable suspected material in a manner sufficient to determine whether the material is an asbestos containing material.

9.1.2 Bulk Sampling Procedure

Samples were collected of suspect materials with a cork borer, metal spatula, or other sampling tool that is driven through the suspect material to the substrate to obtain a sample containing discrete layers. The sample then was placed in a previously unopened, air-tight bag and assigned a sample identification number that was recorded on the bag, the sample sheet, chain-of-custody, and the *Asbestos Sample Location Plans* (Figures 3A through 3C).

As detailed in Table 1, a total of 95 bulk samples of suspected or possible ACM were collected for laboratory analysis, of which 75 samples were analyzed via Polarized Light Microscopy (PLM) employing "positive stop" methodologies. Of the 75 samples analyzed via PLM, 21 non-friable, organically-bound (NOB) materials subsequently were analyzed via Transmission Electron Microscopy (TEM) methods per New York State guidelines.

9.2 SURVEY FINDINGS

The bulk samples collected during the site inspection were labeled and delivered to AmeriSci New York located at 117 East 30th Street, New York, New York for PLM analyses. Non-friable organically bound (NOB) materials deemed negative for asbestos via PLM methods were re-analyzed using TEM methods in accordance with New York State regulations (U.S. Department of Commerce National Institute of Standards and Technology certification #200546 and New York State Department of Health certification #11480).

9.2.1 Laboratory Analysis

Bulk samples collected during the survey and sampling effort were analyzed by the laboratory using PLM in accordance with ELAP methods 198.1 for friable samples or 198.6 for NOB samples. NOB samples deemed negative via PLM were then analyzed using TEM in accordance with ELAP method 198.4 as required by the New York State Department of Health Environmental Laboratory Approval Program (ELAP) per NYCRR Subpart 55-2. Laboratory analytical results comprise Appendix 9 and are summarized below.

9.2.2 Sampling and Analysis Data Summary

Laboratory analyses of the bulk samples confirmed asbestos present at concentrations greater than one percent in the following materials:

- Approximately 360 square feet of tan vinyl floor tile (bottom layer) and associated mastic in the second floor front offices;
- Approximately 360 square feet of brown vinyl floor tile (bottom layer) and associated mastic in the second floor front offices;
- Approximately 2,000 linear feet of braided electrical wire insulation to lights and conduits scattered throughout the building;
- Approximately 12 linear feet of corrugated pipe insulation in the second floor utility room;
- Approximately 2,300 square feet of miscellaneous tar in the roof levels;
- Approximately 21,000 square feet of roofing material on the roof levels;
- Approximately 3,700 square feet of flashing material on the roof levels; and
- Approximately 45 square feet of coping stone caulk on the roof levels.

Bulk sample locations are depicted on the *Asbestos Sample Location Plans* included as Figures 3A through 3C of this report.

NOTE: Other suspect materials may exist in presently inaccessible areas (i.e., above ceilings, as insulation covering electrical wiring, or behind wall cavities) or beneath fixed equipment, shelving, or other appurtenances. Should future renovations or demolition disturb presently inaccessible areas, additional sampling and related abatement (if asbestos is confirmed) may be warranted.

At the client's request, the roof of the building was sampled as part of the ACM survey effort. Upon completion of the survey effort, roof sample locations were patched by Whitestone's inspector with a temporary tar substance. Whitestone assumes no responsibility for, and makes no guarantee of the water-tightness of roof patches or roof restoration. Whitestone accepts no responsibility for roof integrity or warranties that may have been jeopardized by penetrating the roof during sampling. In the event that the buildings will not be demolished in near future, Whitestone recommends retaining a licensed roofing contractor to repair sample locations in order to guarantee water tightness and avoid potential water damage.

TABLE 1
ASBESTOS SURVEY SUMMARY & ESTIMATED ABATEMENT COSTS

Sample Location & Sample Number	No. of Samples & Lab Parameters	Description of Material	Friable or Non-Friable	Condition	Asbestos Containing (Yes/No)	Approximate Volume or Area*	Estimated Abatement Costs
Scattered Throughout B-01, 02, 03	3 PLM	Sheetrock & Joint Compound	FR	G	No	3,800 sf	
Second Floor Restrooms B-04, 05, 06	3 PLM	Grout to Ceramic Wall Tile	FR	G	No	120 sf	
Second Floor Restrooms B-07, 08, 09	3 PLM 2 TEM	Mastic to Ceramic Wall Tile	NF	G	No	120 sf	
Near ASTs & Stairwell B-10, 11, 12	3 PLM	White Fire Brick Wall (Gold Bond brand insignia)	FR	G	No	350 sf	
Second Floor Rear Offices B-13, 14, 15	3 PLM 2 TEM	Brown Vinyl Baseboard Molding	NF	G	No	75 sf	
Second Floor Rear Offices B-16, 17, 18	3 PLM 2 TEM	Mastic to Brown Vinyl Baseboard Molding	NF	G	No	75 sf	
Second Floor Rear Offices B-19, 20, 21	3 PLM 2 TEM	Remnant Floor Mastic	NF	G	No	780 sf	
Second Floor Rear Offices B-22, 23, 24	3 PLM	Remnant Floor Leveling Compound	FR	G	No	780 sf	
Throughout B-25, 26, 27	3 PLM	Mortar to Cinderblock Wall	FR	G	No	5,000 sf	
Throughout B-28, 29, 30	3 PLM	Mortar to Brick Wall	FR	G	No	9,000 sf	
Throughout B-31, 32, 33	3 PLM	Mortar to Stone Wall	FR	G	No	4,000 sf	
Second Floor Restrooms B-34, 35, 36	3 PLM	Grout to Ceramic Floor Tile	FR	G	No	36 sf	
Second Floor Front Offices B-37, 38, 39	3 PLM 2 TEM	12" x 12" White Vinyl Floor Tile	NF	G	No	610 sf	

TABLE 1
ASBESTOS SURVEY SUMMARY & ESTIMATED ABATEMENT COSTS

Sample Location & Sample Number	No. of Samples & Lab Parameters	Description of Material	Friable or Non-Friable	Condition	Asbestos Containing (Yes/No)	Approximate Volume or Area*	Estimated Abatement Costs
Second Floor Front Offices B-40, 41, 42	3 PLM 2 TEM	12" x 12" Pink Vinyl Floor Tile	NF	G	No	110 sf	
Second Floor Front Offices B-43, 44, 45	3 PLM 2 TEM	Mastic to 12" x 12" White & Pink Vinyl Floor Tiles	NF	G	No	720 sf	
Second Floor Front Offices B-46, 47, 48	1 PLM (2 PS)	Bottom-Layer Tan Vinyl Floor Tile	NF	G	**Yes**	360 sf	
Second Floor Front Offices B-49, 50, 51	1 PLM (2 PS)	Bottom-Layer Brown Vinyl Floor Tile	NF	G	**Yes**	360 sf	
Second Floor Front Offices B-52, 53, 54	3 PLM 1 TEM	Mastic to Bottom-Layer Tan & Brown Vinyl Floor Tiles	NF	G	**Yes**	720 sf	
Scattered Throughout B-55, 56, 57	3 PLM 2 TEM	Braided Electrical Wire Insulation in Walls	NF	G	No	2,500 lf	
Scattered Throughout B-58, 59, 60	1 PLM (2 PS)	Braided Electrical Wire Insulation to Lights/Conduits	NF	G	**Yes**	2,000 lf	
Throughout B-61, 62, 63	3 PLM 2 TEM	Window Glaze/Putty	NF	G	No	650 sf	
Second Floor Front Utility Room B-64, 65, 66	1 PLM (2 PS)	Corrugated Pipe Insulation	FR	G	**Yes**	12 lf	
Second Floor Front Utility Room B-67, 68, 69	3 PLM 2 TEM	Paper Pipe Wrap	FR	F	No	15 lf	
Second Floor Office Areas B-70, 71, 72, 73, 74	5 PLM	Wall Plaster Finish Coat	FR	G	No	1,800 sf	
Second Floor Office Areas B-75, 76, 77, 78, 79	5 PLM	Wall Plaster Scratch Coat	FR	G	No	1,800 sf	

TABLE 1
ASBESTOS SURVEY SUMMARY & ESTIMATED ABATEMENT COSTS

Sample Location & Sample Number	No. of Samples & Lab Parameters	Description of Material	Friable or Non-Friable	Condition	Asbestos Containing (Yes/No)	Approximate Volume or Area*	Estimated Abatement Costs
Roof Levels B-80, 81, 82, 83, 84	1 PLM (4 PS)	Miscellaneous Tar	NF	G	**Yes**	2,300 sf	
Roof Levels B-85, 86, 87, 88	1 PLM (3 PS)	Roofing Material	NF	G	**Yes**	21,000 sf	
Roof Levels B-89, 90, 91, 92	1 PLM (3 PS)	Roof Flashing Material	NF	G	**Yes**	3,700 sf	
Roof Levels B-93, 94, 95	1 PLM (2 PS)	Coping Stone Caulk	NF	G	**Yes**	45 sf	
						TOTAL ESTIMATED ABATEMENT COSTS:	

NOTES:

PLM = Polarized Light Microscopy
TEM = Transmission Electron Microscopy
sf = square feet
lf = linear feet
PS = Positive Stop

FR = Friable
NF = Non-Friable
G = Good
F = Fair

* The approximated quantities of ACM are estimates based on material visible to the inspector and/or assumed and inferred based on observed site conditions. Such volumes/areas can vary, and obscured materials could be encountered during abatement or demolition.

** The cost of mastic or roof tar abatement is included in the cost of removing the floor tile or roofing material associated with it.

† Estimated abatement costs assume all abatement activities are completed during a single mobilization effort and are presented for budgetary purposes only. These estimated costs do not represent a proposal to conduct ACM management services. Whitestone was not able to evaluate areas beneath existing fixed equipment (such as freezers, shelving units, counters, displays, etc.) that may contain additional layers of ACM floor tile coverings and/or adhesives.

SECTION 10.0
Environmental Professionals

10.1 SIGNATURES

The following Whitestone personnel were responsible for conducting the Phase I ESA of the subject site and preparing the information presented herein.

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR 312, and

We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

SITE INSPECTOR/ENVIRONMENTAL PROFESSIONAL:

Jeremy Hassett
Environmental Specialist
Whitestone Associates, Inc.

4/3/12
Date

PROJECT MANAGER/ENVIRONMENTAL PROFESSIONAL:

Christopher Seib
Director, Environmental Division
Whitestone Associates, Inc.

4/3/12
Date

10.2 QUALIFICATIONS

Resumes for the Whitestone environmental professionals and supporting staff responsible for conducting this Phase I ESA are provided in Appendix 8 of this report.

FIGURE 1
Site Location Maps

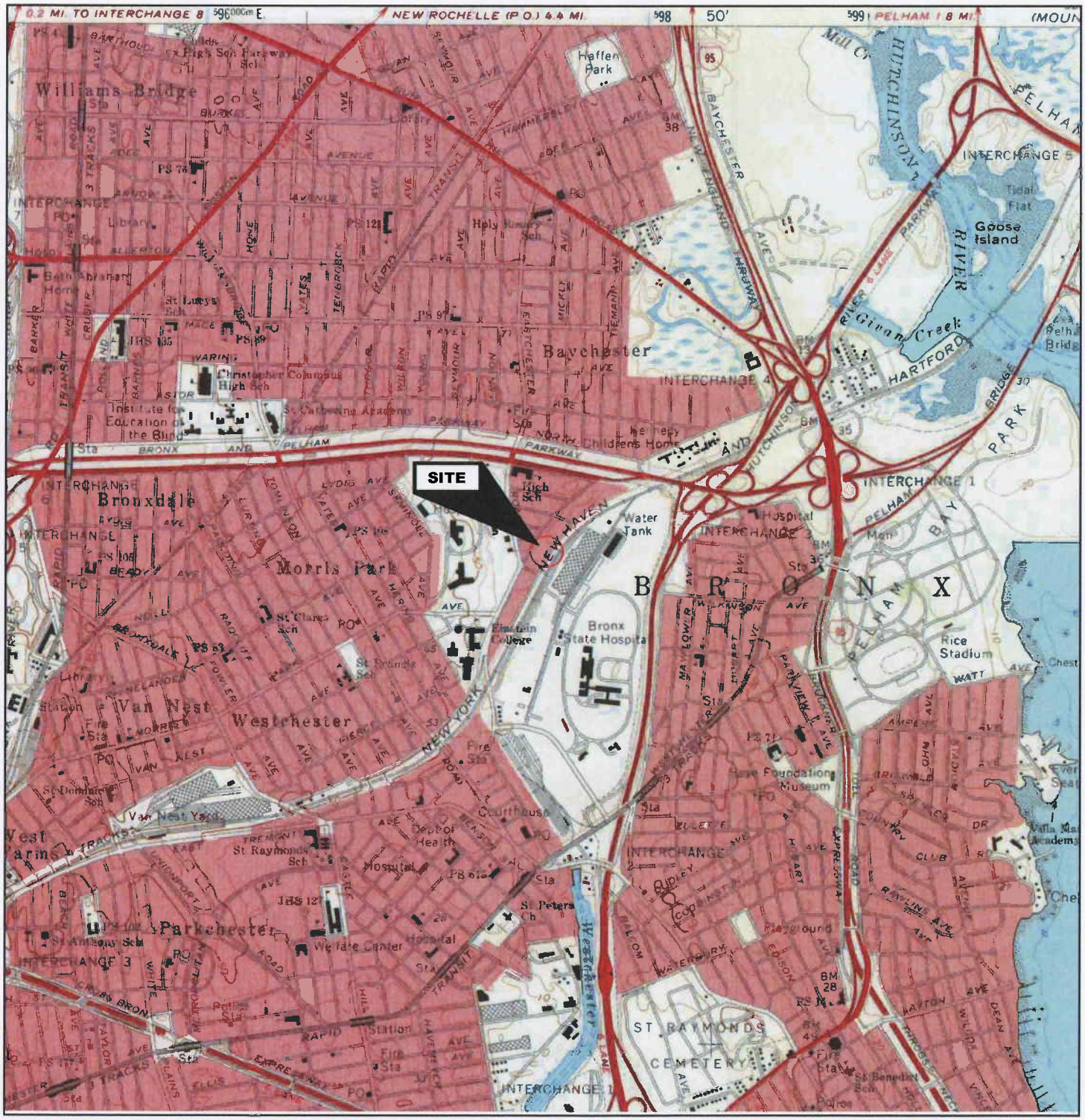
Historical Topographic Map

N	TARGET QUAD NAME: FLUSHING MAP YEAR: 1947 SERIES: 7.5 SCALE: 1:25000	SITE NAME: Former Amsterdam Color Works ADDRESS: 1538-1546 Stillwell Avenue Bronx, NY 10461 LAT/LONG: 40.8538 / -73.8419	Whitestone Associates, Inc. FIGURE 1A

Historical Topographic Map

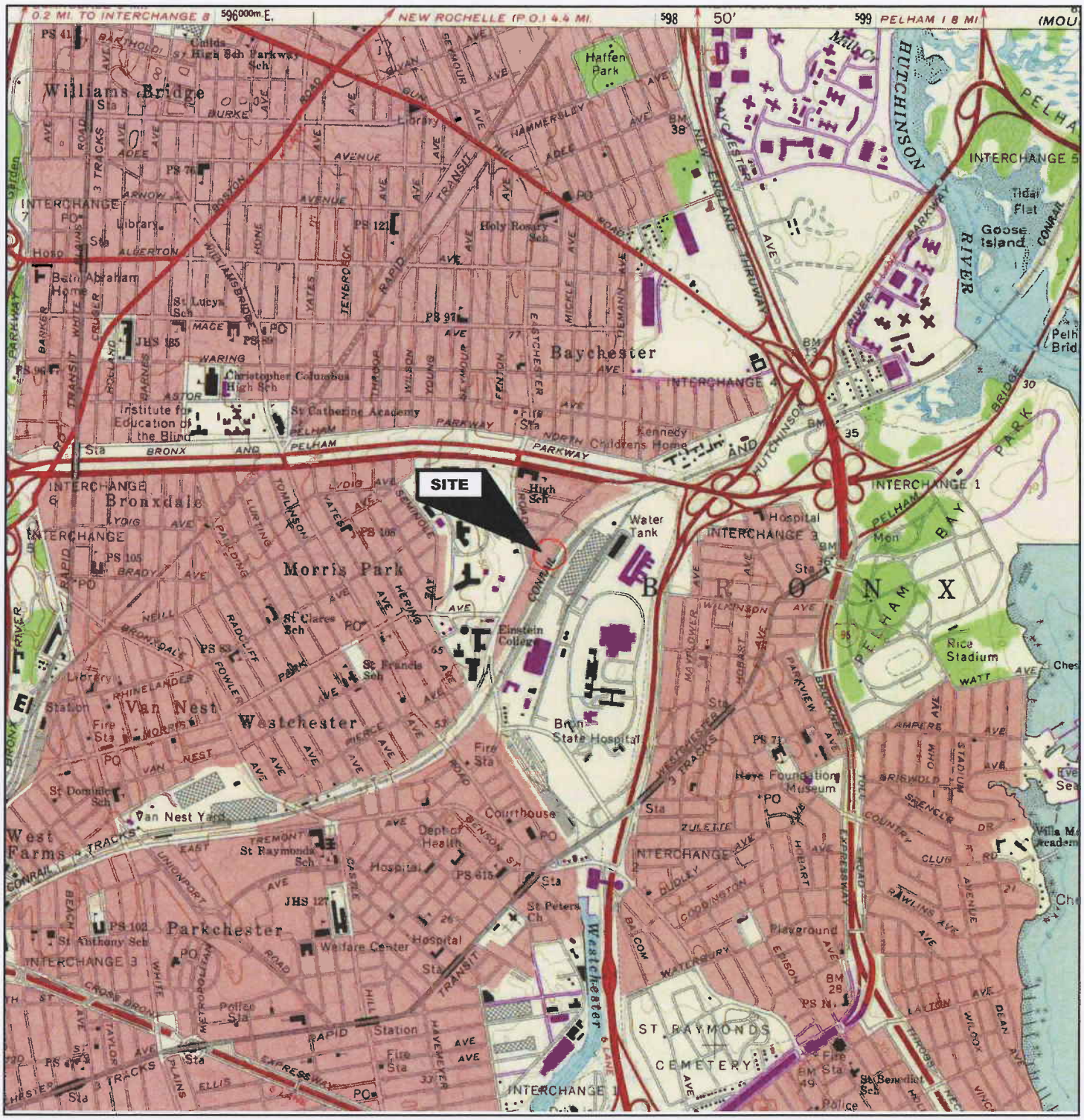
N	TARGET QUAD NAME: FLUSHING MAP YEAR: 1955 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Former Amsterdam Color Works ADDRESS: 1538-1546 Stillwell Avenue Bronx, NY 10461 LAT/LONG: 40.8538 / -73.8419	Whitestone Associates, Inc. FIGURE 1B

Historical Topographic Map



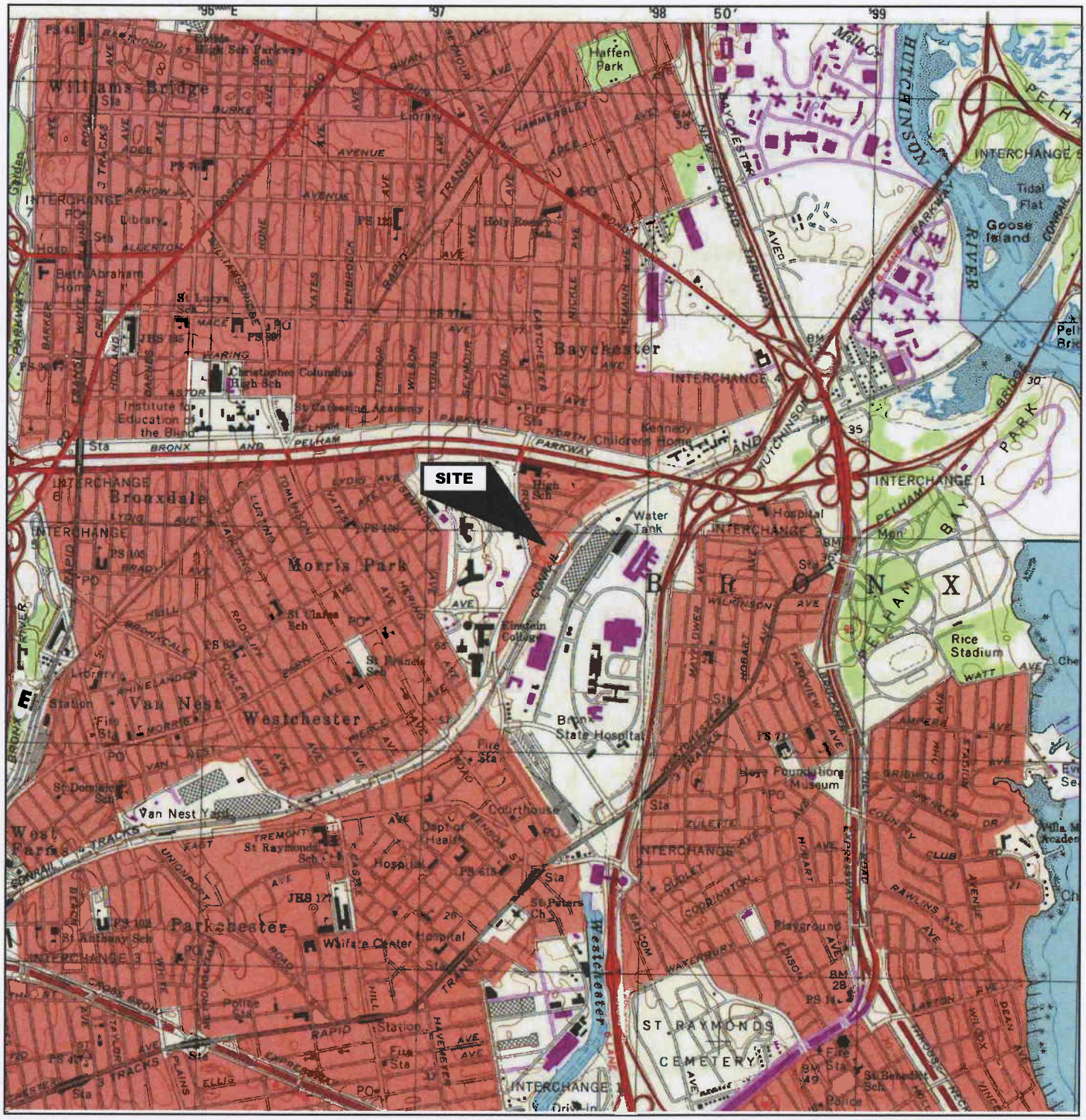
N	TARGET QUAD NAME: FLUSHING MAP YEAR: 1966 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Former Amsterdam Color Works ADDRESS: 1538-1546 Stillwell Avenue Bronx, NY 10461 LAT/LONG: 40.8538 / -73.8419	Whitestone Associates, Inc. FIGURE 1C

Historical Topographic Map



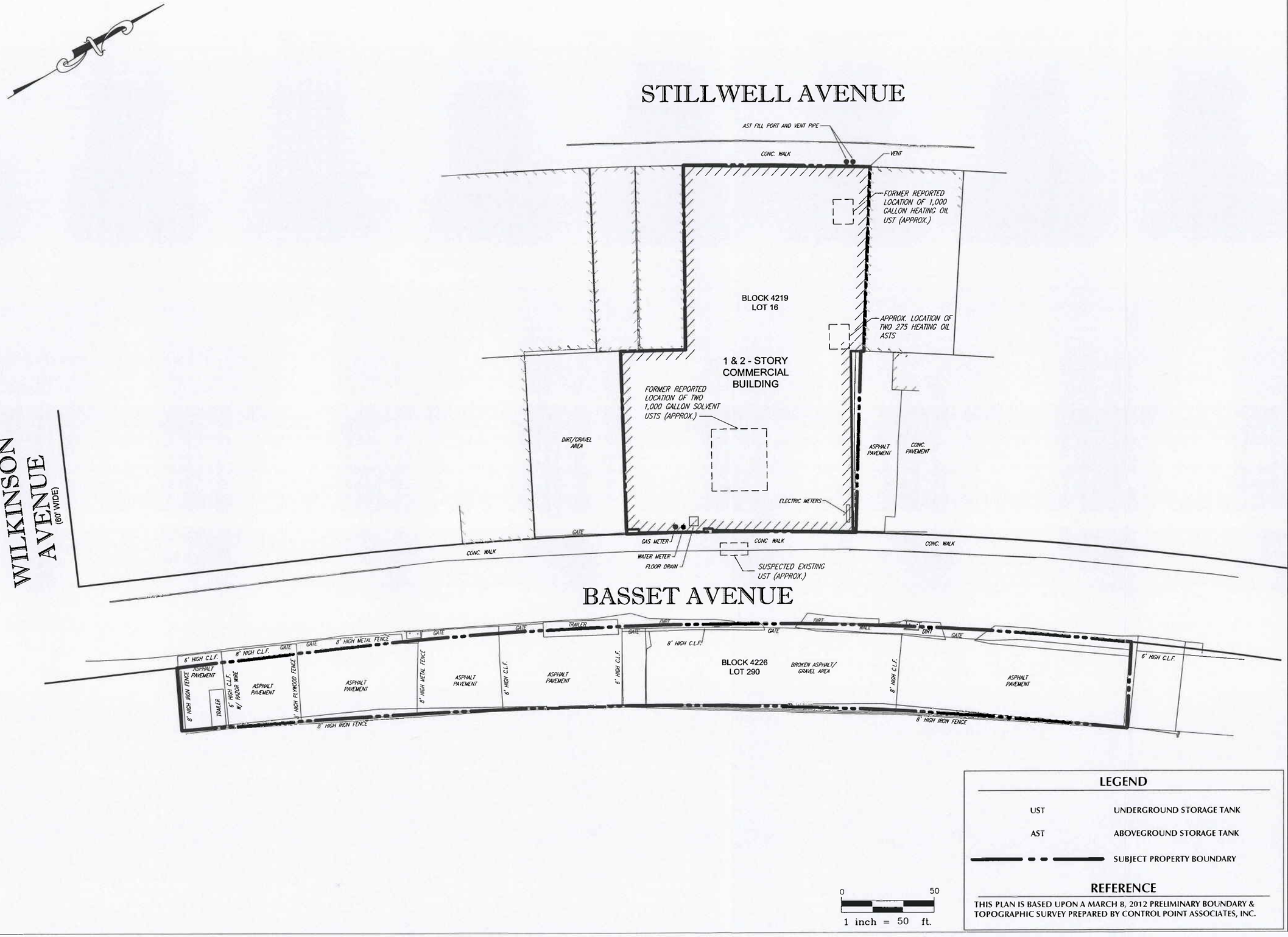
N ↑	TARGET QUAD NAME: FLUSHING MAP YEAR: 1979 PHOTOREVISED FROM :1966 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Former Amsterdam Color Works ADDRESS: 1538-1546 Stillwell Avenue Bronx, NY 10461 LAT/LONG: 40.8538 / -73.8419	Whitestone Associates, Inc. FIGURE 1D

Historical Topographic Map



N	TARGET QUAD NAME: FLUSHING MAP YEAR: 1995 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Former Amsterdam Color Works ADDRESS: 1538-1546 Stillwell Avenue Bronx, NY 10461 LAT/LONG: 40.8538 / -73.8419	Whitestone Associates, Inc. FIGURE 1E

FIGURE 2
Existing Conditions and REC Location Plan



LEGEND

UST	UNDERGROUND STORAGE TANK
AST	ABOVEGROUND STORAGE TANK
	SUBJECT PROPERTY BOUNDARY

REFERENCE

THIS PLAN IS BASED UPON A MARCH 8, 2012 PRELIMINARY BOUNDARY & TOPOGRAPHIC SURVEY PREPARED BY CONTROL POINT ASSOCIATES, INC.

WHITESTONE ASSOCIATES, INC.
35 TECHNOLOGY DRIVE
WARREN, NEW JERSEY 07059
908.668.7777 • 908.754.5936 FAX

PROJECT #:	BY:	PROJ. MGR.:	DATE:	SCALE:	FIGURE:
EJ111829.001	KR	CS	04/02/12	1"=50'	2

TITLE: EXISTING CONDITIONS AND REC LOCATION PLAN

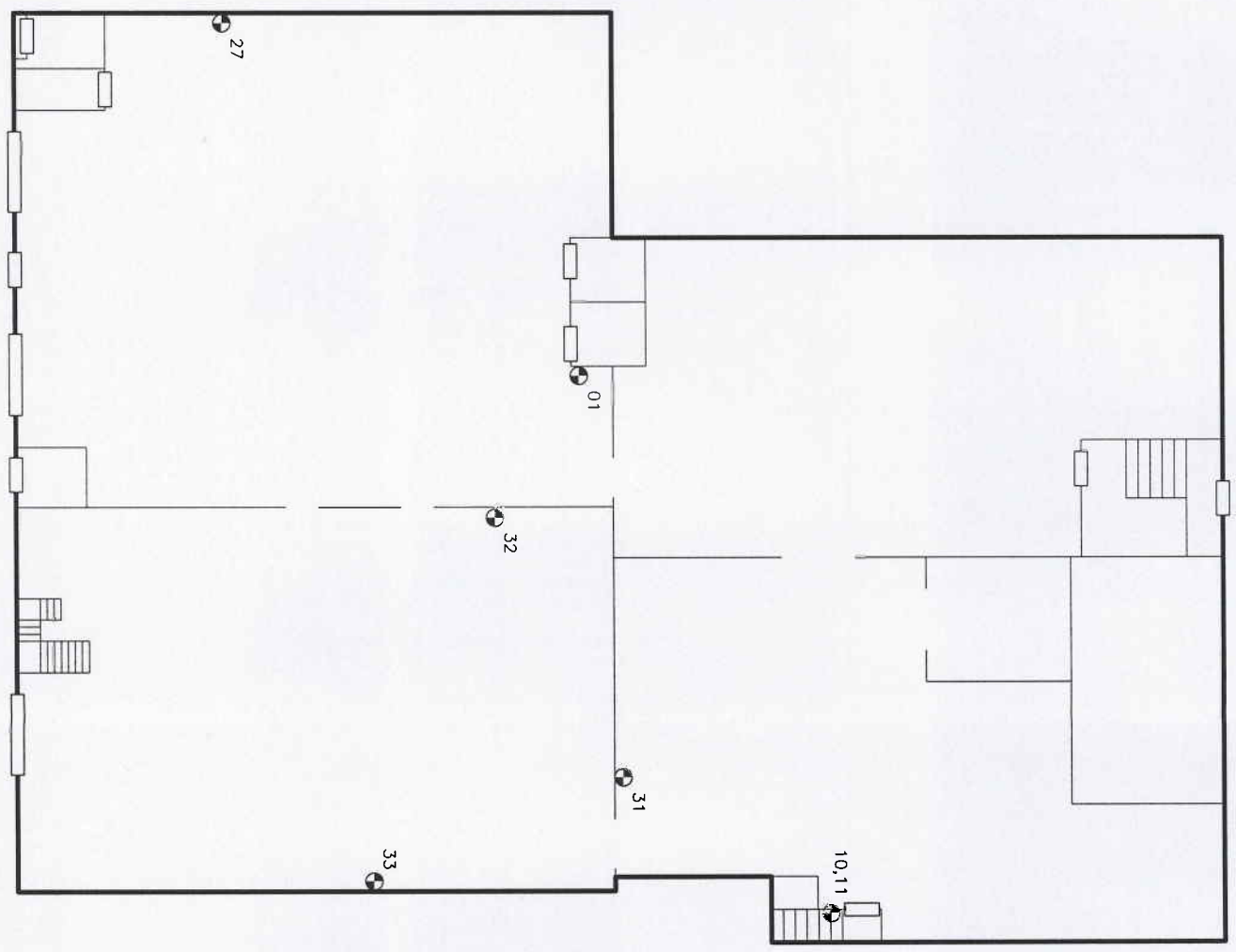
CLIENT: STILLWELL STORAGE, LLC c/o THE HAMPSHIRE COMPANIES

PROJECT: PHASE I ESA/ACM
PROPOSED SELF-STORAGE FACILITY
STILLWELL AVENUE & BASSETT AVENUE
BRONX, BRONX COUNTY, NEW YORK

L:\Job Folders\2011\111829EJ\Drawings and Plans\111829.001 ECRLP.dwg

FIGURE 3
Asbestos Sample Location Plans

L:\Job Folders\2011\1111829EJ\Drawings and Plans\EJ1111829.001 ASLP.dwg



LEGEND

1 ASBESTOS SAMPLE LOCATION (APPROX.)

TITLE:
ASBESTOS SAMPLE LOCATION PLAN
GROUND FLOOR PLAN

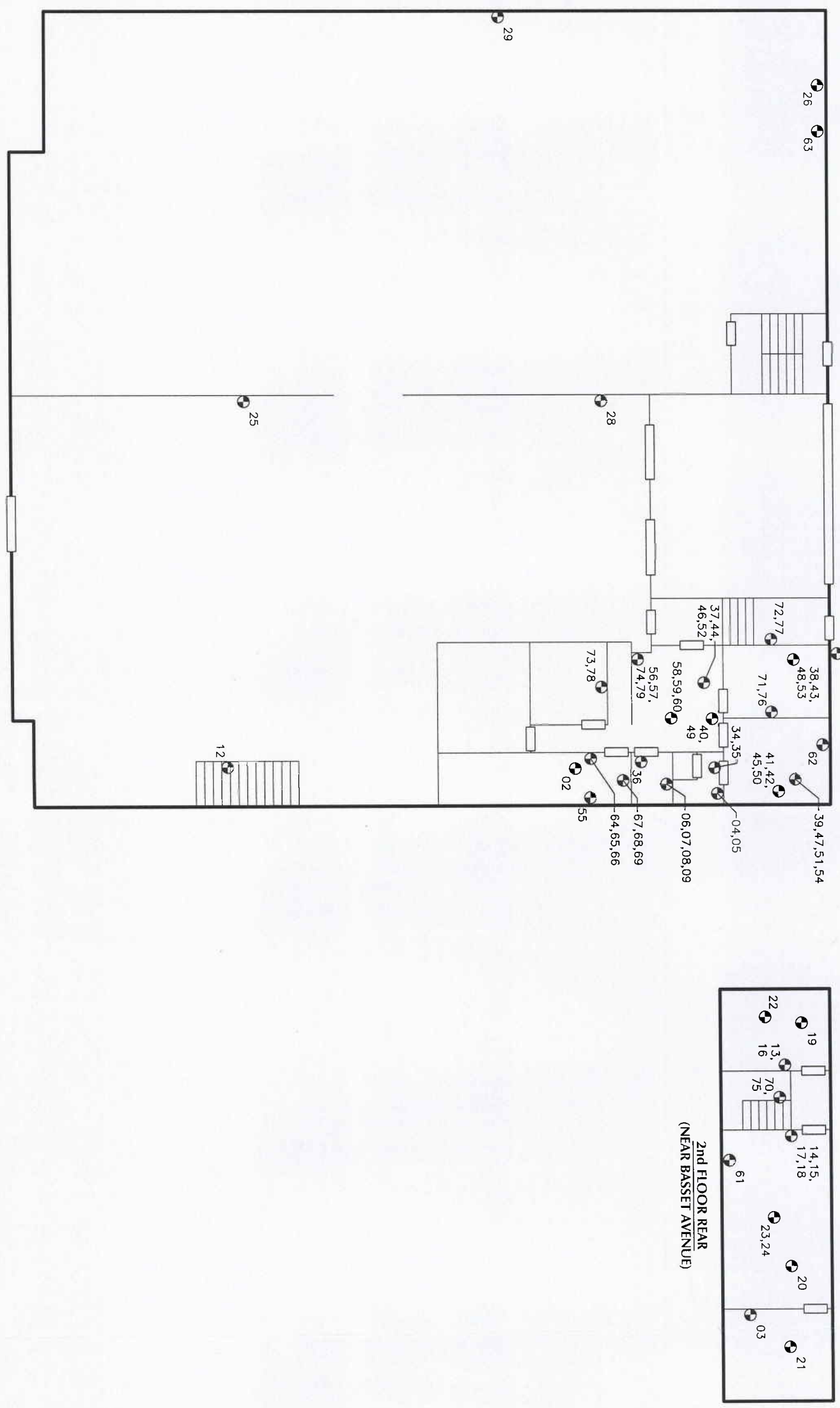
CLIENT: POST MANAGEMENT, LLC

PROJECT: PROPOSED SELF-STORAGE FACILITY
1538 AND 1546 STILLWELL AVENUE & 1547 AND 1549 BASSET AVENUE
BRONX, BRONX COUNTY, NEW YORK

WHITESTONE ASSOCIATES, INC.
35 TECHNOLOGY DRIVE
WARREN, NEW JERSEY 07059
908.668.7777 • 908.754.5936 FAX

PROJECT #:	BY:	PROJ. MGR.:	DATE:	SCALE:	FIGURE:
EJ1111829.001	KR	CS	03/26/12	NTS	3A

L:\Job Folders\2011\1111829EJ\Drawings and Plans\EJ1111829.001 ASLP.dwg



LEGEND

1 ASBESTOS SAMPLE LOCATION (APPROX.)

TITLE:
ASBESTOS SAMPLE LOCATION PLAN
SECOND FLOOR PLAN

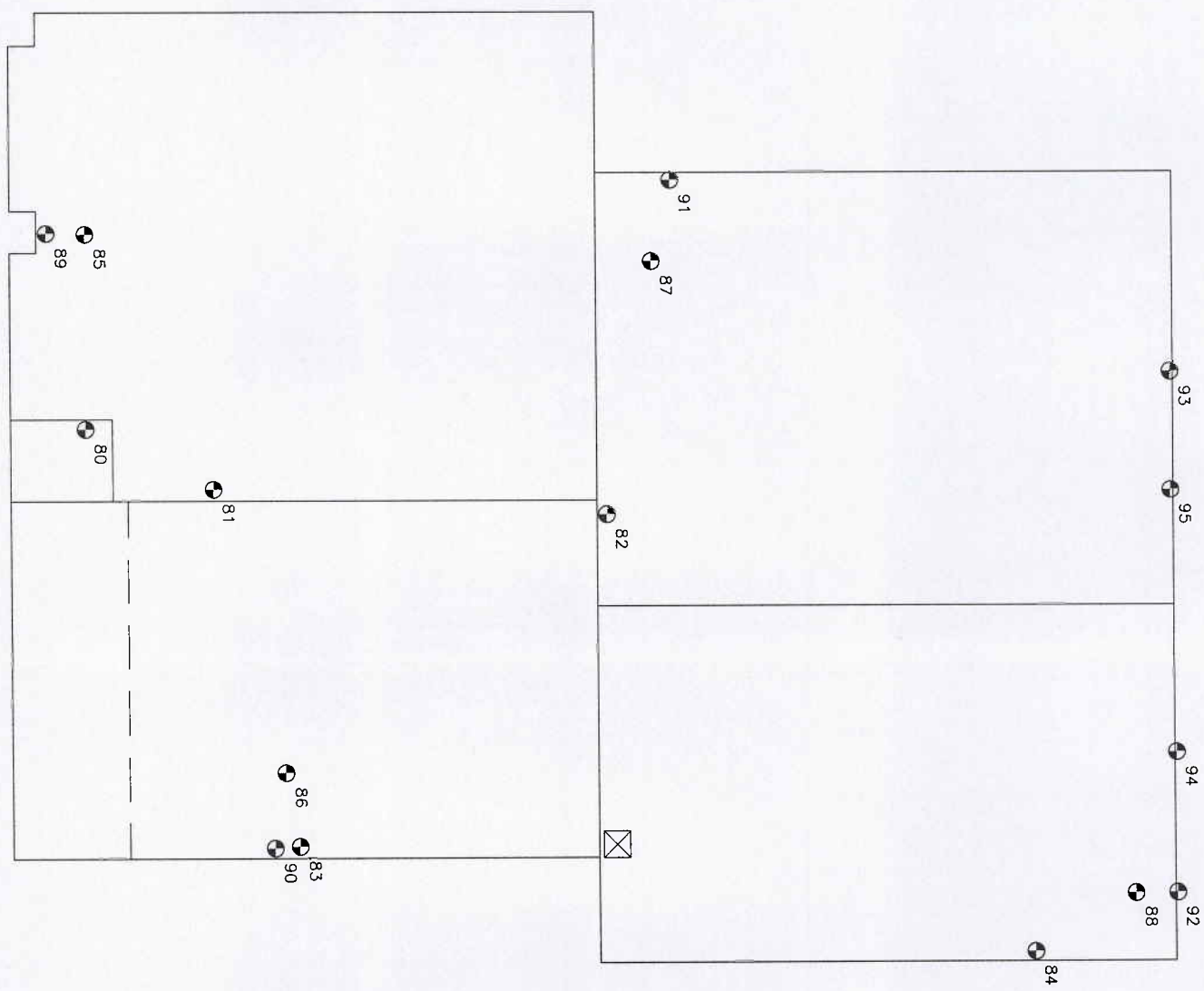
CLIENT: POST MANAGEMENT, LLC

PROJECT: PROPOSED SELF-STORAGE FACILITY
1538 AND 1546 STILLWELL AVENUE & 1547 AND 1549 BASSET AVENUE
BRONX, BRONX COUNTY, NEW YORK

WHITESTONE ASSOCIATES, INC.
35 TECHNOLOGY DRIVE
WARREN, NEW JERSEY 07059
908.668.7777 • 908.754.5936 FAX

PROJECT #:	BY:	PROJ. MGR.:	DATE:	SCALE:	FIGURE:
EJ1111829.001	KR	CS	03/26/12	NTS	3B

L:\Job Folders\2011\1111829EJ\Drawings and Plans\EJ1111829.001 ASLP.dwg



LEGEND

1 ASBESTOS SAMPLE LOCATION (APPROX.)

TITLE:
ASBESTOS SAMPLE LOCATION PLAN
ROOF LEVEL PLAN

CLIENT: POST MANAGEMENT, LLC

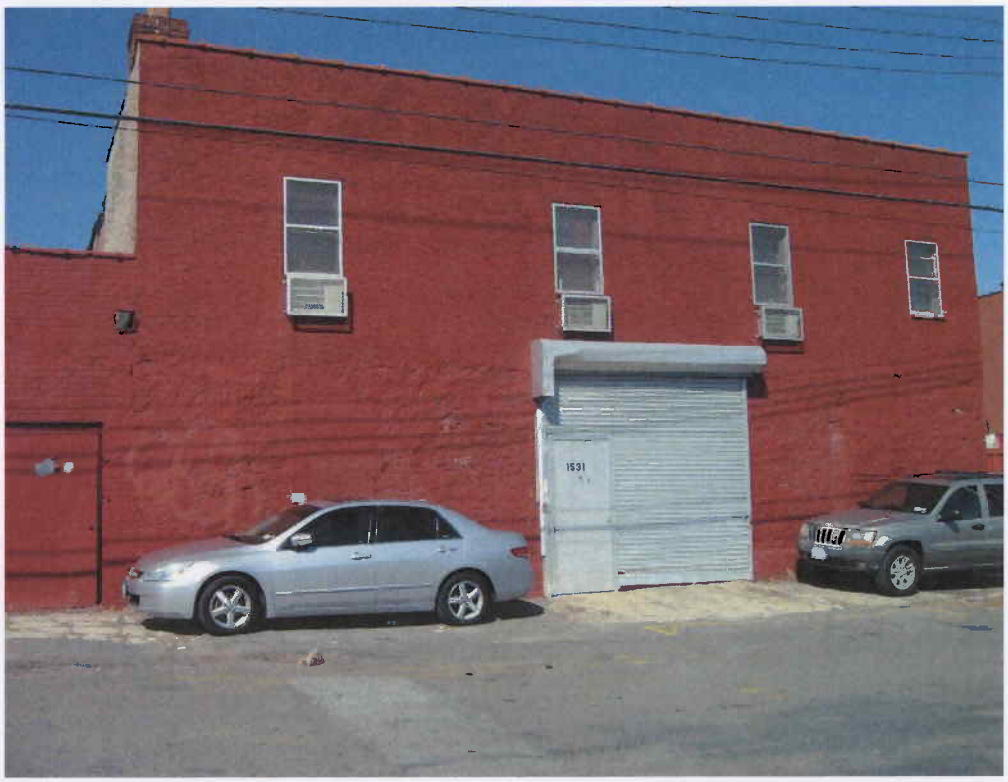
PROJECT: PROPOSED SELF-STORAGE FACILITY
1538 AND 1546 STILLWELL AVENUE & 1547 AND 1549 BASSET AVENUE
BRONX, BRONX COUNTY, NEW YORK

WHITESTONE ASSOCIATES, INC.
35 TECHNOLOGY DRIVE
WARREN, NEW JERSEY 07059
908.668.7777 • 908.754.5936 FAX

PROJECT #:	BY:	PROJ. MGR.:	DATE:	SCALE:	FIGURE:
EJ1111829.001	KR	CS	03/26/12	NTS	3C

APPENDIX 1
Site Reconnaissance Photographs

SITE BUILDING (LOT 16); VIEW TO THE WEST.



SITE BUILDING (LOT 16); VIEW TO THE NORTHWEST.

EJ1111829.001

SITE BUILDING (LOT 16); VIEW TO THE EAST.

NORTHEASTERN PORTION OF SITE BUILDING.

EJ1111829.001

SOUTHEASTERN INTERIOR OF SITE BUILDING.

FORMER UST AREA LOCATED IN THE NORTHWESTERN PORTION OF THE SITE BUILDING.

TWO HEATING OIL ASTS LOCATED IN THE NORTHERN PORTION OF THE SITE BUILDING.

AST FILL PORT AND VENT PIPE LOCATED AT THE NORTHWESTERN EXTERIOR OF THE SITE BUILDING.

EJ1111829.001

VENT PIPE LOCATED AT NORTHWESTERN EXTERIOR OF SITE BUILDING.

SEALED FLOOR DRAIN IN EASTERN PORTION OF SITE BUILDING.

SUBJECT SITE STORAGE YARDS (LOT 290); VIEW TO THE NORTHEAST.

SUBJECT SITE STORAGE YARDS (LOT 290); VIEW TO THE SOUTH.

APPENDIX 2
Database Records Search

Former Amsterdam Color Works
1538-1546 Stillwell Avenue
Bronx, NY 10461

Inquiry Number: 3269495.2s
March 01, 2012

The EDR Radius Map™ Report with GeoCheck®

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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Detail Map	3
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Government Records Searched/Data Currency Tracking	GR-1

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Physical Setting Source Records Searched	A-11

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

1538-1546 STILLWELL AVENUE
BRONX, NY 10461

COORDINATES

Latitude (North):	40.8538000 - 40˚ 51' 13.68''
Longitude (West):	73.8419000 - 73˚ 50' 30.84''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	597616.5
UTM Y (Meters):	4522961.5
Elevation:	21 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	40073-G7 FLUSHING, NY
Most Recent Revision:	1995

AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year:	2009
Source:	USDA

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 7 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
AMSTERDAM COLOR WORKS INC STILLWELL AVE BRONX, NY 10461	RCRA-SQG FINDS RAATS MANIFEST MANIFEST	NYD001360155
AMSTERDAM COLOR WORKS 1546 STILLWELL AVE. BRONX NY 10461 BRONX, NY 10461	ICIS	N/A
AMSTERDAM COLOR WORKS INC 1546 STILLWELL AVENUE BRONX, NY 10461	MANIFEST	N/A

EXECUTIVE SUMMARY

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ..... National Priority List
Proposed NPL ..... Proposed National Priority List Sites
NPL LIENS ..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ..... National Priority List Deletions

Federal CERCLIS list

CERCLIS ..... Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY ..... Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

CERC-NFRAP ..... CERCLIS No Further Remedial Action Planned

Federal RCRA CORRACTS facilities list

CORRACTS ..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ..... RCRA - Treatment, Storage and Disposal

Federal institutional controls / engineering controls registries

US ENG CONTROLS ..... Engineering Controls Sites List
US INST CONTROL ..... Sites with Institutional Controls

Federal ERNS list

ERNS ..... Emergency Response Notification System

State- and tribal - equivalent CERCLIS

VAPOR REOPENED ..... Vapor Intrusion Legacy Site List

State and tribal leaking storage tank lists

INDIAN LUST ..... Leaking Underground Storage Tanks on Indian Land

EXECUTIVE SUMMARY

State and tribal registered storage tank lists

TANKS ..... Storage Tank Faciliy Listing
CBS UST ..... Chemical Bulk Storage Database
MOSF UST ..... Major Oil Storage Facilities Database
CBS AST ..... Chemical Bulk Storage Database
MOSF AST ..... Major Oil Storage Facilities Database
MOSF ..... Major Oil Storage Facility Site Listing
CBS ..... Chemical Bulk Storage Site Listing
INDIAN UST ..... Underground Storage Tanks on Indian Land
FEMA UST ..... Underground Storage Tank Listing

State and tribal institutional control / engineering control registries

ENG CONTROLS ..... Registry of Engineering Controls
INST CONTROL ..... Registry of Institutional Controls
RES DECL ..... Restrictive Declarations Listing

State and tribal voluntary cleanup sites

INDIAN VCP ..... Voluntary Cleanup Priority Listing
VCP ..... Voluntary Cleanup Agreements

State and tribal Brownfields sites

ERP ..... Environmental Restoration Program Listing
BROWNFIELDS ..... Brownfields Site List

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

ODI ..... Open Dump Inventory
DEBRIS REGION 9 ..... Torres Martinez Reservation Illegal Dump Site Locations
SWTIRE ..... Registered Waste Tire Storage & Facility List
SWRCY ..... Registered Recycling Facility List
INDIAN ODI ..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL ..... Clandestine Drug Labs
US HIST CDL ..... National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

HIST AST ..... Historical Petroleum Bulk Storage Database

Local Land Records

LIENS 2 ..... CERCLA Lien Information

LUCIS ..... Land Use Control Information System

Records of Emergency Release Reports

HMIRS ..... Hazardous Materials Information Reporting System

Other Ascertainable Records

DOT OPS ..... Incident and Accident Data
DOD ..... Department of Defense Sites
FUDS ..... Formerly Used Defense Sites
CONSENT ..... Superfund (CERCLA) Consent Decrees
ROD ..... Records Of Decision
UMTRA ..... Uranium Mill Tailings Sites
MINES ..... Mines Master Index File
TRIS ..... Toxic Chemical Release Inventory System
TSCA ..... Toxic Substances Control Act
FTTS ..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS ..... FIFRA/TSCA Tracking System Administrative Case Listing
SSTS ..... Section 7 Tracking Systems
PADS ..... PCB Activity Database System
MLTS ..... Material Licensing Tracking System
RADINFO ..... Radiation Information Database
UIC ..... Underground Injection Control Wells
DRYCLEANERS ..... Registered Drycleaners
NPDES ..... State Pollutant Discharge Elimination System
AIRS ..... Air Emissions Data
E DESIGNATION ..... E DESIGNATION SITE LISTING
INDIAN RESERV ..... Indian Reservations
SCRD DRYCLEANERS ..... State Coalition for Remediation of Drycleaners Listing
PCB TRANSFORMER ..... PCB Transformer Registration Database
COAL ASH EPA ..... Coal Combustion Residues Surface Impoundments List
COAL ASH ..... Coal Ash Disposal Site Listing
FINANCIAL ASSURANCE ..... Financial Assurance Information Listing
COAL ASH DOE ..... Sleam-Electric Plan Operation Data

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants ..... EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 06/15/2011 has revealed that there are 2 RCRA-LQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ALBERT EINSTEIN COLLEGE OF MED	***1300 MORRIS PARK AVENUE***	***SW 1/8 - 1/4 (0.221 mi.)***	***J40***	***184***
ALBERT EINSTEIN COLLEGE OF MED	1301 MORRIS PARK AVENUE	SW 1/8 - 1/4 (0.229 mi.)	J46	365

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 06/15/2011 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FRANK & SON AUTO BODY	***1530 STILLWELL AVE***	***N 0 - 1/8 (0.054 mi.)***	***D7***	***44***

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 06/15/2011 has revealed that there are 3 RCRA-CESQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
J & J CUSTOM COLLISION	***1960 EASTCHESTER RD***	***SW 1/8 - 1/4 (0.130 mi.)***	***23***	***116***
BUDGET AUTO CLINIC INC	***1870 EASTCHESTER RD***	***SW 1/8 - 1/4 (0.231 mi.)***	***J48***	***383***

Lower Elevation	Address	Direction / Distance	Map ID	Page
STILLWELL COLLISION	***1617 STILLWELL AVE***	***NNE 0 - 1/8 (0.119 mi.)***	***G21***	***110***

EXECUTIVE SUMMARY

State- and tribal - equivalent CERCLIS

SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environmental Conservation's Inactive Hazardous waste Disposal Sites in New York State.

A review of the SHWS list, as provided by EDR, and dated 11/22/2011 has revealed that there is 1 SHWS site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
BRONX PSYCHIATRIC CENTER	1500 WATERS PLACE	S 1/2 - 1 (0.587 mi.)	K62	448
Class Code: Does not present a significant threat to the public health or the environment - action may be deferred.				

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the list.

A review of the SWF/LF list, as provided by EDR, and dated 01/11/2012 has revealed that there is 1 SWF/LF site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MONGELLI CARTING CO.	1565 STILLWELL AVENUE	N 0 - 1/8 (0.057 mi.)	D10	72

State and tribal leaking storage tank lists

LTANKS: Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills

A review of the LTANKS list, as provided by EDR, and dated 11/22/2011 has revealed that there are 16 LTANKS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FARBERWARE PLANT	***1500 BASSETT AVE***	***SSW 0 - 1/8 (0.078 mi.)***	***E15***	***92***
JACOBI HOSPITAL	***EASTCHESTER RD***	***NW 0 - 1/8 (0.119 mi.)***	***20***	***106***
Date Closed: 4/5/2006				
1886 EASTCHESTER RD	***1886 EASTCHESTER ROAD***	***SW 1/8 - 1/4 (0.207 mi.)***	***J32***	***149***
Date Closed: 9/4/2003				
49TH PCT NYPD	***2121 EAST CHESTER RD***	***NNW 1/8 - 1/4 (0.208 mi.)***	***I35***	***165***
Date Closed: 6/24/2005				
THE NEW PARKWAY TERRACE LLC	***1540 PELHAM PARKWAY SOU***	***N 1/8 - 1/4 (0.210 mi.)***	***38***	***174***
Date Closed: 1/9/2009				
NICKS AUTO SERVICE	***1826 EASTCHESTER RD***	***SSW 1/4 - 1/2 (0.287 mi.)***	***50***	***396***
Date Closed: 3/3/2003				

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported Date Closed: 3/4/2004	1431 PELHAM PARKWAY	NNW 1/4 - 1/2 (0.370 mi.)	52	400
1180 MORRIS PARK AVE/BX Date Closed: 11/5/1993	***1180 MORRIS PARK AVENUE***	***WSW 1/4 - 1/2 (0.432 mi.)***	***54***	***405***
23-58 WOODHULL AVE Date Closed: 10/24/2005	***23-58 WOODHULL AVE***	***N 1/4 - 1/2 (0.447 mi.)***	***55***	***408***
1719 HERING AVE Date Closed: 4/13/2007	1719 HERING AVE	SW 1/4 - 1/2 (0.451 mi.)	56	413
EASTCHESTER AV/BX/TRANSIT Date Closed: 6/24/1998	***EASTCHESTER AVE***	***SSW 1/4 - 1/2 (0.457 mi.)***	***57***	***415***
RESIDENCE Date Closed: 1/3/2005	2850 EAST 197TH STREET	E 1/4 - 1/2 (0.483 mi.)	58	417
UNITED CEREBRAL PALSY OF NYC Date Closed: 7/31/1998	***1770 STILLWELL AVE***	***NE 1/4 - 1/2 (0.484 mi.)***	***59***	***419***

Lower Elevation	Address	Direction / Distance	Map ID	Page
1624 STILLWELL AVE/BX Date Closed: 4/16/1991	***1624 STILLWELL AVENUE***	***NNE 1/8 - 1/4 (0.147 mi.)***	***H27***	***130***
BRONX DEVELOPMENTAL CTR Date Closed: 10/16/1997	***1200 WATERS PLACE***	***SSE 1/4 - 1/2 (0.371 mi.)***	***53***	***402***
1740 EASTCHESTER RD/BRONX Date Closed: 10/7/1992	***1740 EASTCHESTER RD***	***SSW 1/4 - 1/2 (0.489 mi.)***	***60***	***425***

HIST LTANKS: A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database.

A review of the HIST LTANKS list, as provided by EDR, and dated 01/01/2002 has revealed that there are 11 HIST LTANKS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FARBERWARE PLANT Date Closed: / /	***1500 BASSETT AVE***	***SSW 0 - 1/8 (0.078 mi.)***	***E15***	***92***
1886 EASTCHESTER RD Date Closed: / /	***1886 EASTCHESTER ROAD***	***SW 1/8 - 1/4 (0.207 mi.)***	***J32***	***149***
49TH PCT NYPD Date Closed: / /	***2121 EAST CHESTER RD***	***NNW 1/8 - 1/4 (0.208 mi.)***	***I35***	***165***
NICKS AUTO SERVICE Date Closed: / /	***1826 EASTCHESTER RD***	***SSW 1/4 - 1/2 (0.287 mi.)***	***50***	***396***
1180 MORRIS PARK AVE/BX Date Closed: 11/05/93	***1180 MORRIS PARK AVENUE***	***WSW 1/4 - 1/2 (0.432 mi.)***	***54***	***405***
23-58 WOODHULL AVE Date Closed: / /	***23-58 WOODHULL AVE***	***N 1/4 - 1/2 (0.447 mi.)***	***55***	***408***
EASTCHESTER AV/BX/TRANSIT Date Closed: 06/24/98	***EASTCHESTER AVE***	***SSW 1/4 - 1/2 (0.457 mi.)***	***57***	***415***

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
UNITED CEREBRAL PALSY OF NYC Date Closed: 07/31/98	***1770 STILLWELL AVE***	***NE 1/4 - 1/2 (0.484 mi.)***	***59***	***419***

Lower Elevation	Address	Direction / Distance	Map ID	Page
1624 STILLWELL AVE/BX Date Closed: 04/16/91	***1624 STILLWELL AVENUE***	***NNE 1/8 - 1/4 (0.147 mi.)***	***H27***	***130***
BRONX DEVELOPMENTAL CTR Date Closed: 10/16/97	***1200 WATERS PLACE***	***SSE 1/4 - 1/2 (0.371 mi.)***	***53***	***402***
1740 EASTCHESTER RD/BRONX Date Closed: 10/07/92	***1740 EASTCHESTER RD***	***SSW 1/4 - 1/2 (0.489 mi.)***	***60***	***425***

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

A review of the UST list, as provided by EDR, and dated 01/03/2012 has revealed that there are 11 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ITALY AUTO REPAIR INC.	1539 STILLWELL AVENUE	NW 0 - 1/8 (0.033 mi.)	B4	37
BRUCKNER MANUFACTURING CORP.	1500 BASSETT AVE	SSW 0 - 1/8 (0.078 mi.)	E13	84
FEZNIC REALTY CO. LLC	2100 EASTCHESTER ROAD	NNW 1/8 - 1/4 (0.194 mi.)	I28	132
1886 EASTCHESTER RD	***1886 EASTCHESTER ROAD***	***SW 1/8 - 1/4 (0.207 mi.)***	***J32***	***149***
49TH PRECINCT	2121 EASTCHESTER ROAD	NNW 1/8 - 1/4 (0.208 mi.)	I37	169
THE NEW PARKWAY TERRACE LLC	***1540 PELHAM PARKWAY SOU***	***N 1/8 - 1/4 (0.210 mi.)***	***38***	***174***
ALBERT EINSTEIN COLLEGE OF MED	***1300 MORRIS PARK AVENUE***	***SW 1/8 - 1/4 (0.221 mi.)***	***J40***	***184***
MULTI USE BUILDING	1500 PELHAM PARKWAY SOU	NNW 1/8 - 1/4 (0.250 mi.)	49	394

Lower Elevation	Address	Direction / Distance	Map ID	Page
WONDER BAR PRODUCTS INC	***1624 STILLWELL AVENUE***	***NNE 1/8 - 1/4 (0.147 mi.)***	***H26***	***126***
1580 PELHAM PARKWAY	***1580 PELHAM PARKWAY S***	***NNE 1/8 - 1/4 (0.214 mi.)***	***39***	***181***
A B PLAZA	***1320 MORRIS PARK AVE***	***SSW 1/8 - 1/4 (0.228 mi.)***	***J45***	***357***

AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database.

A review of the AST list, as provided by EDR, and dated 01/03/2012 has revealed that there are 10 AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TONY'S AUTO REPAIR SHOP INC.	1531 STILLWELL AVENUE	WNW 0 - 1/8 (0.034 mi.)	B5	39
BRUCKNER MANUFACTURING CORP.	***1500 BASSETT AVE***	***SSW 0 - 1/8 (0.078 mi.)***	***E12***	***74***
FRANKS EXPRESS OIL CHANGE, INC	2008 EASTCHESTER ROAD	WSW 0 - 1/8 (0.078 mi.)	16	98
ARGUS REALTY CO.	***1545 RHINELANDER AVE***	***N 1/8 - 1/4 (0.140 mi.)***	***25***	***123***
FEZNIC REALTY CO. LLC	2100 EASTCHESTER ROAD	NNW 1/8 - 1/4 (0.194 mi.)	I30	136
49TH PRECINCT	2121 EASTCHESTER ROAD	NNW 1/8 - 1/4 (0.208 mi.)	I34	161

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
THE NEW PARKWAY TERRACE LLC	***1540 PELHAM PARKWAY SOU***	***N 1/8 - 1/4 (0.210 mi.)***	***38***	***174***
ALBERT EINSTEIN COLLEGE OF MED	***1300 MORRIS PARK AVENUE***	***SW 1/8 - 1/4 (0.221 mi.)***	***J40***	***184***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CROWN TOWING SERVICE INC	1615 MCDONALD STREET	NNE 0 - 1/8 (0.085 mi.)	F17	100
CHIEF PROPERTIES, LLC	1616 STILLWELL AVENUE	NNE 1/8 - 1/4 (0.131 mi.)	G24	121

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

DEL SHWS: A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

A review of the DEL SHWS list, as provided by EDR, and dated 08/23/2011 has revealed that there is 1 DEL SHWS site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
BRONX PSYCHIATRIC CENTER	***1500 WATERS PL***	***S 1/2 - 1 (0.587 mi.)***	***K61***	***427***

Local Lists of Registered Storage Tanks

HIST UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

A review of the HIST UST list, as provided by EDR, and dated 01/01/2002 has revealed that there are 9 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BRUCKNER MANUFACTURING CORP.	***1500 BASSETT AVE***	***SSW 0 - 1/8 (0.078 mi.)***	***E12***	***74***
FEZNIC REALTY CO. LLC	2100 EASTCHESTER ROAD	NNW 1/8 - 1/4 (0.194 mi.)	I29	135
1886 EASTCHESTER RD	***1886 EASTCHESTER ROAD***	***SW 1/8 - 1/4 (0.207 mi.)***	***J32***	***149***
49TH PRECINCT	2121 EASTCHESTER ROAD	NNW 1/8 - 1/4 (0.208 mi.)	I33	157
THE NEW PARKWAY TERRACE LLC	***1540 PELHAM PARKWAY SOU***	***N 1/8 - 1/4 (0.210 mi.)***	***38***	***174***
ALBERT EINSTEIN COLLEGE OF MED	***1300 MORRIS PARK AVENUE***	***SW 1/8 - 1/4 (0.221 mi.)***	***J40***	***184***

Lower Elevation	Address	Direction / Distance	Map ID	Page
WONDER BAR PRODUCTS INC	***1624 STILLWELL AVENUE***	***NNE 1/8 - 1/4 (0.147 mi.)***	***H26***	***126***
1580 PELHAM PARKWAY	***1580 PELHAM PARKWAY S***	***NNE 1/8 - 1/4 (0.214 mi.)***	***39***	***181***
A B PLAZA	***1320 MORRIS PARK AVE***	***SSW 1/8 - 1/4 (0.228 mi.)***	***J45***	***357***

Records of Emergency Release Reports

NY Spills: Data collected on spills reported to NYSDEC. is required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

A review of the NY Spills list, as provided by EDR, and dated 11/22/2011 has revealed that there are 4 NY Spills sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AMSTERDAM PAINT FACTORY Date Closed: 2/12/2003	***1547 BASSETT AV***	***S 0 - 1/8 (0.047 mi.)***	***C6***	***41***
1535 BASSETT AVE Date Closed: 10/15/1991	***1535 BASSETT AVE***	***S 0 - 1/8 (0.055 mi.)***	***C9***	***69***
JACOBI HOSPITAL Date Closed: 11/21/2002	***EASTCHESTER RD***	***NW 0 - 1/8 (0.119 mi.)***	***20***	***106***

Lower Elevation	Address	Direction / Distance	Map ID	Page
1617 STILWELL AVE Date Closed: 3/17/1999	***1617 STILLWELL AVE***	***NNE 0 - 1/8 (0.119 mi.)***	***G22***	***113***

NY Hist Spills: This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database.

A review of the NY Hist Spills list, as provided by EDR, and dated 01/01/2002 has revealed that there are 4 NY Hist Spills sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AMSTERDAM PAINT FACTORY	***1547 BASSETT AV***	***S 0 - 1/8 (0.047 mi.)***	***C6***	***41***
1535 BASSETT AVE	***1535 BASSETT AVE***	***S 0 - 1/8 (0.055 mi.)***	***C9***	***69***
JACOBI HOSPITAL	***EASTCHESTER RD***	***NW 0 - 1/8 (0.119 mi.)***	***20***	***106***

Lower Elevation	Address	Direction / Distance	Map ID	Page
1617 STILWELL AVE	***1617 STILLWELL AVE***	***NNE 0 - 1/8 (0.119 mi.)***	***G22***	***113***

Other Ascertainable Records

RCRA-NonGen: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA-NonGen list, as provided by EDR, and dated 06/15/2011 has revealed that there

are 7 RCRA-NonGen sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MAACO AUTO PAINTING & BODYWORK	***1511 BASSETT AVE***	***SSW 0 - 1/8 (0.071 mi.)***	***C11***	***72***
FARBERWARE	***1500 BASSETT AVENUE***	***SSW 0 - 1/8 (0.078 mi.)***	***E14***	***89***
CARROCETTOS DRY CLEANERS INC	***2102 EASTCHESTER RD***	***NW 1/8 - 1/4 (0.195 mi.)***	***I31***	***138***
NYC POLICE DEPT 49TH PRECINCT	***2121 EASTCHESTER RD***	***NNW 1/8 - 1/4 (0.208 mi.)***	***I36***	***167***
ALBERT EINSTEIN COLLEGE OF MED	***NDL ORGANIZATION, INCOP***	***SW 1/8 - 1/4 (0.221 mi.)***	***J41***	***271***

Lower Elevation	Address	Direction / Distance	Map ID	Page
MIRANDO AUTO BODY	***1607 STILLWELL AVE***	***NNE 0 - 1/8 (0.101 mi.)***	***F18***	***103***
T J C OPERATIONS INC	***1320 MORRIS PARK AVE***	***SSW 1/8 - 1/4 (0.228 mi.)***	***J44***	***355***

HSWDS: The List includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity The latest version of the study is frozen in time. The sites on the study will not automatically be made superfund sites, rather each site will be further evaluated for listing in the registry. So overtime they will be added to the registry or not.

A review of the HSWDS list, as provided by EDR, and dated 01/01/2003 has revealed that there is 1 HSWDS site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
BRONX PSYCHIATRIC CENTER	1500 WATERPLACE WEST	SSE 1/4 - 1/2 (0.328 mi.)	51	399

MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the MANIFEST list, as provided by EDR, and dated 11/01/2011 has revealed that there are 12 MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FRANK & SON AUTO BODY	***1530 STILLWELL AVE***	***N 0 - 1/8 (0.054 mi.)***	***D7***	***44***
FARBERWARE	***1500 BASSETT AVENUE***	***SSW 0 - 1/8 (0.078 mi.)***	***E14***	***89***
J & J CUSTOM COLLISION	***1960 EASTCHESTER RD***	***SW 1/8 - 1/4 (0.130 mi.)***	***23***	***116***
CARROCETTOS DRY CLEANERS INC	***2102 EASTCHESTER RD***	***NW 1/8 - 1/4 (0.195 mi.)***	***I31***	***138***
ALBERT EINSTEIN COLLEGE OF MED	***NDL ORGANIZATION, INCOP***	***SW 1/8 - 1/4 (0.221 mi.)***	***J41***	***271***
ALBERT EINSTEIN COLLEGE OF MED	***1300 MORRIS PARK AVENUE***	***SW 1/8 - 1/4 (0.221 mi.)***	***J42***	***273***
CONSOLIDATED EDISON	EASTCHESTER ROAD & MORR	SW 1/8 - 1/4 (0.226 mi.)	J43	355
ALBERT EINSTEIN COLLEGE OF MED	1301 MORRIS PARK AVENUE	SW 1/8 - 1/4 (0.229 mi.)	J47	370
BUDGET AUTO CLINIC INC	***1870 EASTCHESTER RD***	***SW 1/8 - 1/4 (0.231 mi.)***	***J48***	***383***

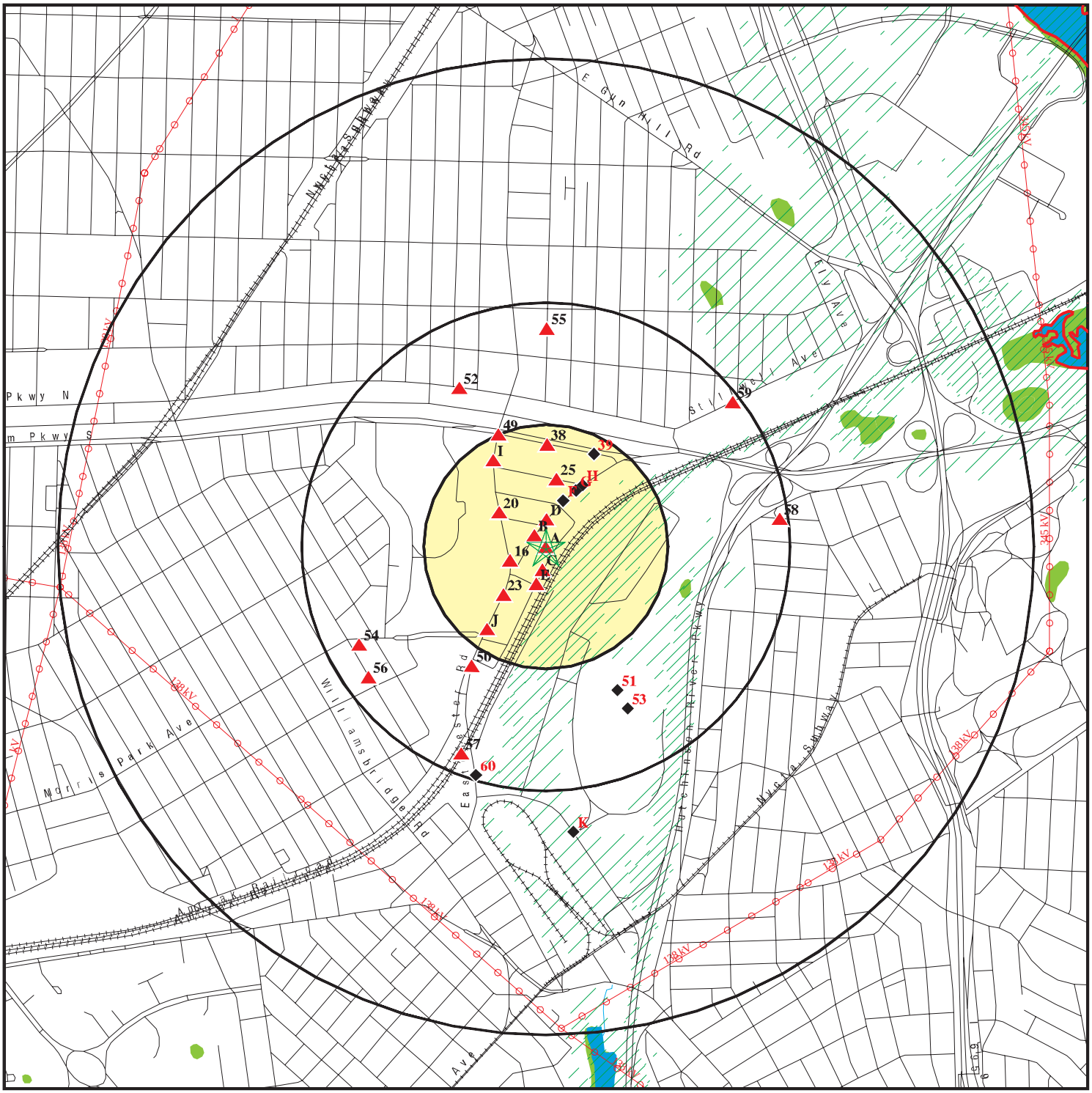
Lower Elevation	Address	Direction / Distance	Map ID	Page
MIRANDO AUTO BODY	***1607 STILLWELL AVE***	***NNE 0 - 1/8 (0.101 mi.)***	***F18***	***103***
STILLWELL COLLISION	***1617 STILLWELL AVE***	***NNE 0 - 1/8 (0.119 mi.)***	***G21***	***110***
T J C OPERATIONS INC	***1320 MORRIS PARK AVE***	***SSW 1/8 - 1/4 (0.228 mi.)***	***J44***	***355***

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 20 records.

Site Name	Database(s)
CONSOLIDATED EDISON	MANIFEST
NYSDOT	FINDS,RCRA-NLR,MANIFEST
CONED	RCRA-NLR,MANIFEST
SHELL OIL COMPANY	FINDS,RCRA-NLR,MANIFEST
CONSOLIDATED EDISON	RCRA-NLR,MANIFEST
NYSDOT BIN 106653B	RCRA-LQG
NYSDOT BIN 1066610	RCRA-LQG
NYC DEP	RCRA-NLR
SHEEN SIZE: UNK / COLOR: HEAVY OIL	ERNS
GASETERIA SERVICE STATION EAST TRE	FINDS
SIDEWALK	SPILLS
OUTSIDE SOIL	SPILLS
SOIL	SPILLS
TRAFFIC ACCIDENT	SPILLS
GETTY #258	SPILLS
GETTY#258	SPILLS
GETTY #258	SPILLS
GETTY 258	SPILLS
IFO TASK FORCE	SPILLS
258 GETTY STATION	SPILLS

OVERVIEW MAP - 3269495.2s



0 1/4 1/2 1 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Power transmission lines
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Former Amsterdam Color Works	CLIENT: Whitestone Associates, Inc.
ADDRESS: 1538-1546 Stillwell Avenue Bronx NY 10461	CONTACT: Victoria Ryback INQUIRY #: 3269495.2s
LAT/LONG: 40.8538 / 73.8419	DATE: March 01, 2012 5:52 pm

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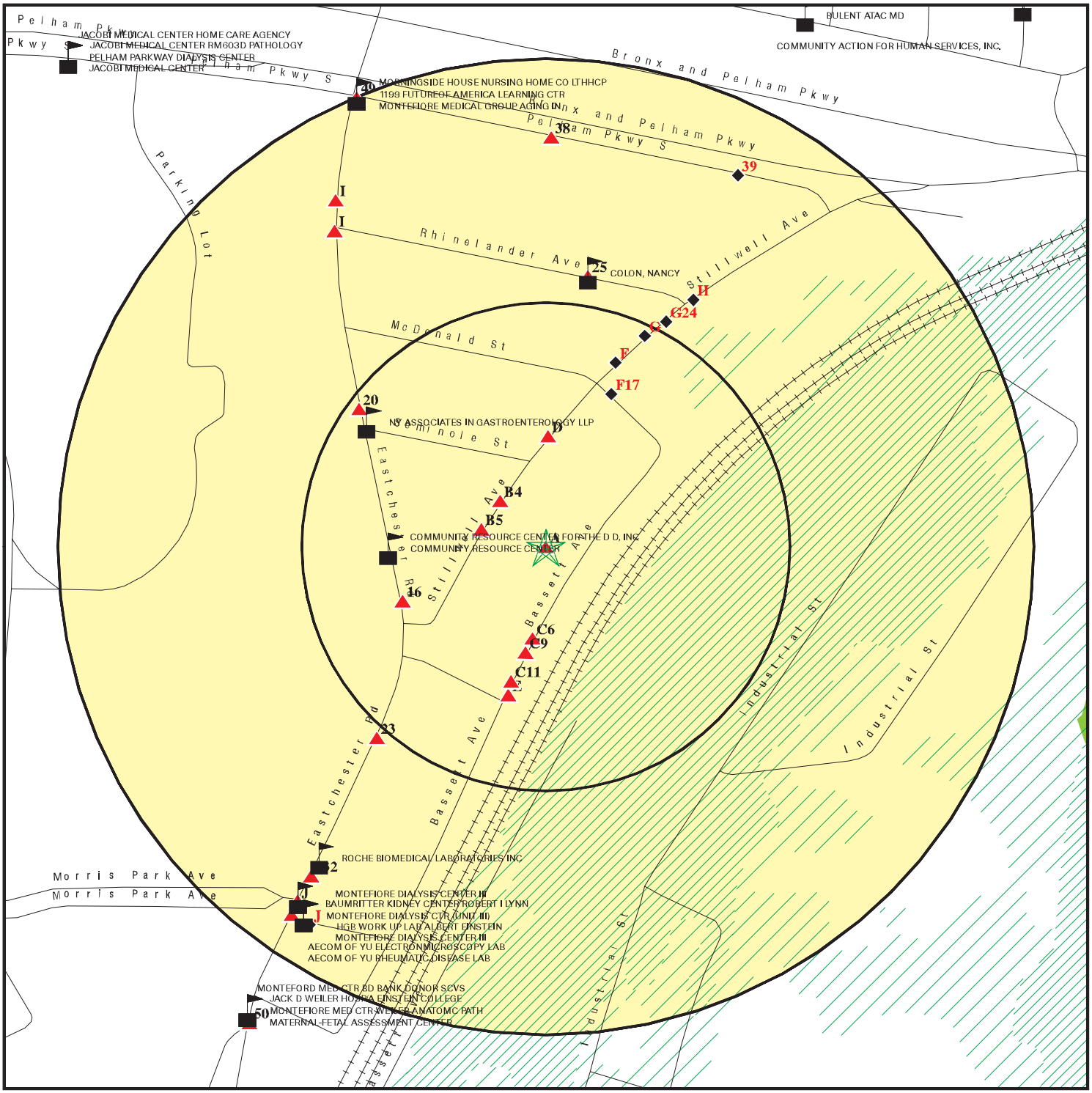
DETAIL MAP - 3269495.2s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
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LAT/LONG: 40.8538 / 73.8419	INQUIRY #: 3269495.2s
	DATE: March 01, 2012 5:53 pm

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MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
NPL LIENS		TP	NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL		1.000	0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS		0.500	0	0	0	NR	NR	0
FEDERAL FACILITY		1.000	0	0	0	0	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP		0.500	0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS		1.000	0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF		0.500	0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG		0.250	0	2	NR	NR	NR	2
RCRA-SQG	X	0.250	1	0	NR	NR	NR	1
RCRA-CESQG		0.250	1	2	NR	NR	NR	3
Federal institutional controls / engineering controls registries								
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
Federal ERNS list								
ERNS		TP	NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
SHWS		1.000	0	0	0	1	NR	1
VAPOR REOPENED		1.000	0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF		0.500	1	0	0	NR	NR	1
State and tribal leaking storage tank lists								
LTANKS		0.500	2	4	10	NR	NR	16
HIST LTANKS		0.500	1	3	7	NR	NR	11
INDIAN LUST		0.500	0	0	0	NR	NR	0
State and tribal registered storage tank lists								
TANKS		0.250	0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UST		0.250	2	9	NR	NR	NR	11
CBS UST		0.250	0	0	NR	NR	NR	0
MOSF UST		0.500	0	0	0	NR	NR	0
AST		0.250	4	6	NR	NR	NR	10
CBS AST		0.250	0	0	NR	NR	NR	0
MOSF AST		0.500	0	0	0	NR	NR	0
MOSF		0.500	0	0	0	NR	NR	0
CBS		0.250	0	0	NR	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
FEMA UST		0.250	0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
ENG CONTROLS		0.500	0	0	0	NR	NR	0
INST CONTROL		0.500	0	0	0	NR	NR	0
RES DECL		0.125	0	NR	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
State and tribal Brownfields sites								
ERP		0.500	0	0	0	NR	NR	0
BROWNFIELDS		0.500	0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
ODI		0.500	0	0	0	NR	NR	0
DEBRIS REGION 9		0.500	0	0	0	NR	NR	0
SWTIRE		0.500	0	0	0	NR	NR	0
SWRCY		0.500	0	0	0	NR	NR	0
INDIAN ODI		0.500	0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL		TP	NR	NR	NR	NR	NR	0
DEL SHWS		1.000	0	0	0	1	NR	1
US HIST CDL		TP	NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
HIST UST		0.250	1	8	NR	NR	NR	9
HIST AST		TP	NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2		TP	NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LUCIS		0.500	0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS		TP	NR	NR	NR	NR	NR	0
NY Spills		0.125	4	NR	NR	NR	NR	4
NY Hist Spills		0.125	4	NR	NR	NR	NR	4
Other Ascertainable Records								
RCRA-NonGen		0.250	3	4	NR	NR	NR	7
DOT OPS		TP	NR	NR	NR	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
HIST FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
ICIS	X	TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
RADINFO		TP	NR	NR	NR	NR	NR	0
FINDS	X	TP	NR	NR	NR	NR	NR	0
RAATS	X	TP	NR	NR	NR	NR	NR	0
HSWDS		0.500	0	0	1	NR	NR	1
UIC		TP	NR	NR	NR	NR	NR	0
MANIFEST	X	0.250	6	9	NR	NR	NR	15
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
NPDES		TP	NR	NR	NR	NR	NR	0
AIRS		TP	NR	NR	NR	NR	NR	0
E DESIGNATION		0.125	0	NR	NR	NR	NR	0
INDIAN RESERV		1.000	0	0	0	0	NR	0
SCRD DRYCLEANERS		0.500	0	0	0	NR	NR	0
PCB TRANSFORMER		TP	NR	NR	NR	NR	NR	0
COAL ASH EPA		0.500	0	0	0	NR	NR	0
COAL ASH		0.500	0	0	0	NR	NR	0
FINANCIAL ASSURANCE		TP	NR	NR	NR	NR	NR	0
COAL ASH DOE		TP	NR	NR	NR	NR	NR	0
EDR PROPRIETARY RECORDS								
EDR Proprietary Records								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1	**AMSTERDAM COLOR WORKS INC**	**RCRA-SQG**	**1000401809**
Target	**STILLWELL AVE**	**FINDS**	**NYD001360155**
Property	**BRONX, NY 10461**	**RAATS**	
		MANIFEST	
	Site 1 of 3 in cluster A	**MANIFEST**	

Actual: 21 ft.

RCRA-SQG:

Date form received by agency:	01/01/2007
Facility name:	AMSTERDAM COLOR WORKS INC
Facility address:	STILLWELL AVE BRONX, NY 10461
EPA ID:	NYD001360155
Contact:	STEPHEN E OFFERMAN
Contact address:	STILLWELL AVE BRONX, NY 10461
Contact country:	US
Contact telephone:	(718) 828-8000
Contact email:	Not reported
EPA Region:	02
Land type:	Private
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	STEPHEN OFFERMAN
Owner/operator address:	STILLWELL AVE BRONX, NY 10461
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/1978
Owner/Op end date:	Not reported

Owner/operator name:	AMSTERDAM COLOR WORKS INC
Owner/operator address:	STILLWELL AVE BRONX, NY 10461
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/1978
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No

AMSTERDAM COLOR WORKS INC (Continued) **1000401809**

Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: AMSTERDAM COLOR WORKS INC
Classification: Small Quantity Generator

Date form received by agency: 06/28/2004
Facility name: AMSTERDAM COLOR WORKS INC
Classification: Not a generator, verified

Date form received by agency: 05/29/2002
Facility name: AMSTERDAM COLOR WORKS INC
Classification: Large Quantity Generator

Date form received by agency: 01/31/1998
Facility name: AMSTERDAM COLOR WORKS INC
Site name: AMSTERDAM COLOR WORKS, INC.
Classification: Large Quantity Generator

Date form received by agency: 03/08/1996
Facility name: AMSTERDAM COLOR WORKS INC
Site name: AMSTERDAM COLORWORKS INC
Classification: Large Quantity Generator

Date form received by agency: 08/18/1992
Facility name: AMSTERDAM COLOR WORKS INC
Site name: AMSTERDAM COLOR WORKS
Classification: Large Quantity Generator

Date form received by agency: 05/15/1985
Facility name: AMSTERDAM COLOR WORKS INC
Site name: AMSTERDAN COLOR WORKS INC
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: SR - 372.2(a)(2)
Area of violation: Generators - General
Date violation determined: 09/15/2005
Date achieved compliance: 07/14/2008
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 03/13/2006
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 07/14/2008
Enforcement lead agency: State
Proposed penalty amount: 85000
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 373-3.2(g)

AMSTERDAM COLOR WORKS INC (Continued) **1000401809**

Area of violation: Generators - General
Date violation determined: 09/15/2005
Date achieved compliance: 07/14/2008
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 03/13/2006
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 07/14/2008
Enforcement lead agency: State
Proposed penalty amount: 85000
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 373-3.9(b)
Area of violation: Generators - General
Date violation determined: 09/15/2005
Date achieved compliance: 07/14/2008
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 03/13/2006
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 07/14/2008
Enforcement lead agency: State
Proposed penalty amount: 85000
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 372.2(b)(3)
Area of violation: Generators - General
Date violation determined: 09/15/2005
Date achieved compliance: 07/14/2008
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 03/13/2006
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 07/14/2008
Enforcement lead agency: State
Proposed penalty amount: 85000
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 373-3.9(d)(3)
Area of violation: Generators - General
Date violation determined: 09/15/2005
Date achieved compliance: 07/14/2008
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 03/13/2006
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 07/14/2008
Enforcement lead agency: State
Proposed penalty amount: 85000
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 373-3.3(g)(1)(iii)
Area of violation: Generators - General

AMSTERDAM COLOR WORKS INC (Continued) **1000401809**

Date violation determined: 09/15/2005
Date achieved compliance: 07/14/2008
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 03/13/2006
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 07/14/2008
Enforcement lead agency: State
Proposed penalty amount: 85000
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 372.2(a)(8)(ii)
Area of violation: Generators - General
Date violation determined: 09/15/2005
Date achieved compliance: 07/14/2008
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 03/13/2006
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 07/14/2008
Enforcement lead agency: State
Proposed penalty amount: 85000
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 373-3.4(e)
Area of violation: Generators - General
Date violation determined: 09/15/2005
Date achieved compliance: 07/14/2008
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 03/13/2006
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 07/14/2008
Enforcement lead agency: State
Proposed penalty amount: 85000
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 372.2(b)(2)(i),(ii)
Area of violation: Generators - General
Date violation determined: 09/15/2005
Date achieved compliance: 07/14/2008
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 03/13/2006
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 07/14/2008
Enforcement lead agency: State
Proposed penalty amount: 85000
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 09/28/1993

AMSTERDAM COLOR WORKS INC (Continued) **1000401809**

Date achieved compliance: 10/19/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/28/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 08/21/1991
Date achieved compliance: 11/06/1992
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 07/30/1985
Date achieved compliance: 06/17/1987
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 03/28/1986
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 0
Final penalty amount: 15000
Paid penalty amount: 15000

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 08/16/1984
Date achieved compliance: 11/06/1992
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 06/21/1983
Date achieved compliance: 05/08/1985

AMSTERDAM COLOR WORKS INC (Continued) **1000401809**

Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 01/18/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 24000
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 06/21/1983
Date achieved compliance: 05/08/1985
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 03/28/1986
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 0
Final penalty amount: 15000
Paid penalty amount: 15000

Evaluation Action Summary:
Evaluation date: 07/14/2008
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/14/2008
Evaluation: FOLLOW-UP INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/28/2006
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/15/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 07/14/2008
Evaluation lead agency: State

Evaluation date: 09/28/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 08/20/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

AMSTERDAM COLOR WORKS INC (Continued) **1000401809**

Area of violation: Generators - General
Date achieved compliance: 10/19/1993
Evaluation lead agency: State

Evaluation date: 07/29/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 11/06/1992
Evaluation lead agency: State

Evaluation date: 06/26/1987
Evaluation: FOLLOW-UP INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 03/26/1987
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 07/30/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/17/1987
Evaluation lead agency: EPA-Initiated Oversight/Observation/Training Actions

Evaluation date: 08/16/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 11/06/1992
Evaluation lead agency: State

Evaluation date: 06/21/1983
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 05/08/1985
Evaluation lead agency: EPA-Initiated Oversight/Observation/Training Actions

FINDS:

Registry ID: 110000322712

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

The NEI (National Emissions Inventory) database contains information

AMSTERDAM COLOR WORKS INC (Continued) **1000401809**

on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

HAZARDOUS WASTE BIENNIAL REPORTER

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

NJ MANIFEST:

Manifest Code:	NJA5114143
EPA ID:	NYD001360155
Date Shipped:	20060201
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	NJD071629976
Transporter 2 EPA ID:	KYD053348108
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	060201
Date Trans2 Transported Waste:	060203
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported

AMSTERDAM COLOR WORKS INC (Continued) **1000401809**

Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	060215
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Data Entry Number:	04040621
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

Manifest Code:	NJA5114140
EPA ID:	NYD001360155
Date Shipped:	20060201
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	NJD071629976
Transporter 2 EPA ID:	KYD053348108
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	060201
Date Trans2 Transported Waste:	060203
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	060215
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Data Entry Number:	04040621
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

AMSTERDAM COLOR WORKS INC (Continued) **1000401809**

Manifest Code:	NJA5114139
EPA ID:	NYD001360155
Date Shipped:	20060201
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	NJD071629976
Transporter 2 EPA ID:	KYD053348108
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	060201
Date Trans2 Transported Waste:	060203
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	060215
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Data Entry Number:	04040621
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

Manifest Code:	NJA5091729
EPA ID:	NYD001360155
Date Shipped:	20040330
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	NJD071629976
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	040330
Date Trans2 Transported Waste:	000000
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported

AMSTERDAM COLOR WORKS INC (Continued) **1000401809**

Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	040330
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Data Entry Number:	04280421
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

Manifest Code:	NJA5114141
EPA ID:	NYD001360155
Date Shipped:	20060201
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	NJD071629976
Transporter 2 EPA ID:	KYD053348108
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	060201
Date Trans2 Transported Waste:	060203
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	060215
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Data Entry Number:	04040621
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

AMSTERDAM COLOR WORKS INC (Continued) **1000401809**

Manifest Code:	NJA5042902
EPA ID:	NYD001360155
Date Shipped:	20051006
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	NJD054126164
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	051006
Date Trans2 Transported Waste:	000000
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	051007
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Data Entry Number:	12070521
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

Manifest Code:	NJA5112705
EPA ID:	NYD001360155
Date Shipped:	20050804
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	NJD054126164
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	050804
Date Trans2 Transported Waste:	000000
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported

AMSTERDAM COLOR WORKS INC (Continued) **1000401809**

Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	050804
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Data Entry Number:	09020525
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

NY MANIFEST:

EPA ID:	NYD001360155
Country:	USA
Mailing Name:	AMSTERDAM COLOR WORKS INCORPORATED
Mailing Contact:	MARTHA OFFERMAN
Mailing Address:	1546 STILLWELL AVENUE
Mailing Address 2:	Not reported
Mailing City:	BRONX
Mailing State:	NY
Mailing Zip:	10461
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-828-8000

Document ID:	NJA1322090
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJDEPS103
Trans2 State ID:	Not reported
Generator Ship Date:	911223
Trans1 Recv Date:	911223
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	911223
Part A Recv Date:	Not reported
Part B Recv Date:	920124
Generator EPA ID:	NYD001360155
Trans1 EPA ID:	NJD000813477
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	03000
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	91

AMSTERDAM COLOR WORKS INC (Continued) **1000401809**

Document ID:	NJA1241428
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS226
Trans2 State ID:	Not reported
Generator Ship Date:	911119
Trans1 Recv Date:	911119
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	911119
Part A Recv Date:	Not reported
Part B Recv Date:	911127
Generator EPA ID:	NYD001360155
Trans1 EPA ID:	NJD054126164
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	02907
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	91

Document ID:	NJA1241269
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS226
Trans2 State ID:	Not reported
Generator Ship Date:	911107
Trans1 Recv Date:	911107
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	911107
Part A Recv Date:	Not reported
Part B Recv Date:	911119
Generator EPA ID:	NYD001360155
Trans1 EPA ID:	NJD054126164
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	02967
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	91

Document ID:	NJA1457141
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS103
Trans2 State ID:	Not reported
Generator Ship Date:	920915
Trans1 Recv Date:	920915
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920915
Part A Recv Date:	Not reported

AMSTERDAM COLOR WORKS INC (Continued) **1000401809**

Part B Recv Date:	920924
Generator EPA ID:	NYD001360155
Trans1 EPA ID:	NJD000813477
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	01652
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	92

Document ID:	NJA1444488
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS103
Trans2 State ID:	Not reported
Generator Ship Date:	920811
Trans1 Recv Date:	920811
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920811
Part A Recv Date:	Not reported
Part B Recv Date:	920826
Generator EPA ID:	NYD001360155
Trans1 EPA ID:	NJD000813477
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	02200
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	040
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	92

Document ID:	06
Manifest Status:	NYC7143996
Trans1 State ID:	NYD001360155
Trans2 State ID:	Not reported
Generator Ship Date:	KYD053348108
Trans1 Recv Date:	Not reported
Trans2 Recv Date:	NJD071629976
TSD Site Recv Date:	Not reported
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	N
Trans1 EPA ID:	N
Trans2 EPA ID:	N
TSDF ID:	N
Waste Code:	N
Quantity:	Not reported
Units:	3
Number of Containers:	DM

AMSTERDAM COLOR WORKS INC (Continued) **1000401809**

Container Type:	1350
Handling Method:	P
Specific Gravity:	1
Waste Code:	B
Quantity:	Not reported
Units:	Not reported
Number of Containers:	Not reported
Container Type:	Not reported
Handling Method:	Not reported
Specific Gravity:	Not reported
Year:	Not reported

Document ID:	06
Manifest Status:	NYC7143996
Trans1 State ID:	NYD001360155
Trans2 State ID:	Not reported
Generator Ship Date:	KYD053348108
Trans1 Recv Date:	Not reported
Trans2 Recv Date:	NJD071629976
TSD Site Recv Date:	Not reported
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	N
Trans1 EPA ID:	N
Trans2 EPA ID:	N
TSDF ID:	N
Waste Code:	N
Quantity:	Not reported
Units:	1
Number of Containers:	DM
Container Type:	450
Handling Method:	P
Specific Gravity:	1
Waste Code:	B
Quantity:	Not reported
Units:	Not reported
Number of Containers:	Not reported
Container Type:	Not reported
Handling Method:	Not reported
Specific Gravity:	Not reported
Year:	Not reported

Document ID:	06
Manifest Status:	NYC7143996
Trans1 State ID:	NYD001360155
Trans2 State ID:	Not reported
Generator Ship Date:	KYD053348108
Trans1 Recv Date:	Not reported
Trans2 Recv Date:	NJD071629976
TSD Site Recv Date:	Not reported
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	N
Trans1 EPA ID:	N
Trans2 EPA ID:	N

AMSTERDAM COLOR WORKS INC (Continued) **1000401809**

TSDF ID:	N
Waste Code:	N
Quantity:	Not reported
Units:	3
Number of Containers:	DM
Container Type:	1350
Handling Method:	P
Specific Gravity:	1
Waste Code:	B
Quantity:	Not reported
Units:	Not reported
Number of Containers:	Not reported
Container Type:	Not reported
Handling Method:	Not reported
Specific Gravity:	Not reported
Year:	Not reported

Document ID:	06
Manifest Status:	NYC7143996
Trans1 State ID:	NYD001360155
Trans2 State ID:	Not reported
Generator Ship Date:	KYD053348108
Trans1 Recv Date:	Not reported
Trans2 Recv Date:	NJD071629976
TSD Site Recv Date:	Not reported
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	N
Trans1 EPA ID:	N
Trans2 EPA ID:	N
TSDF ID:	N
Waste Code:	N
Quantity:	Not reported
Units:	3
Number of Containers:	DM
Container Type:	1350
Handling Method:	P
Specific Gravity:	1
Waste Code:	B
Quantity:	Not reported
Units:	Not reported
Number of Containers:	Not reported
Container Type:	Not reported
Handling Method:	Not reported
Specific Gravity:	Not reported
Year:	Not reported

Document ID:	06
Manifest Status:	NYC7144007
Trans1 State ID:	NYD001360155
Trans2 State ID:	Not reported
Generator Ship Date:	KYD053348108
Trans1 Recv Date:	Not reported
Trans2 Recv Date:	NJD071269976
TSD Site Recv Date:	Not reported

AMSTERDAM COLOR WORKS INC (Continued) **1000401809**

Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	N
Trans1 EPA ID:	N
Trans2 EPA ID:	N
TSDF ID:	N
Waste Code:	N
Quantity:	Not reported
Units:	3
Number of Containers:	DM
Container Type:	2250
Handling Method:	P
Specific Gravity:	1
Waste Code:	B
Quantity:	Not reported
Units:	Not reported
Number of Containers:	Not reported
Container Type:	Not reported
Handling Method:	Not reported
Specific Gravity:	Not reported
Year:	Not reported

Document ID:	06
Manifest Status:	NYC7144020
Trans1 State ID:	NYD001360155
Trans2 State ID:	Not reported
Generator Ship Date:	KYD053348108
Trans1 Recv Date:	Not reported
Trans2 Recv Date:	NJD071629976
TSD Site Recv Date:	Not reported
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	N
Trans1 EPA ID:	N
Trans2 EPA ID:	N
TSDF ID:	N
Waste Code:	N
Quantity:	Not reported
Units:	1
Number of Containers:	DM
Container Type:	450
Handling Method:	P
Specific Gravity:	1
Waste Code:	B
Quantity:	Not reported
Units:	Not reported
Number of Containers:	Not reported
Container Type:	Not reported
Handling Method:	Not reported
Specific Gravity:	Not reported
Year:	Not reported

Document ID:	06
Manifest Status:	NJA5114139
Trans1 State ID:	NYD001360155

AMSTERDAM COLOR WORKS INC (Continued) **1000401809**

Trans2 State ID:	Not reported
Generator Ship Date:	NJD002182897
Trans1 Recv Date:	Not reported
Trans2 Recv Date:	NJD071629976
TSD Site Recv Date:	Not reported
Part A Recv Date:	KYD053348108
Part B Recv Date:	2006-02-03
Generator EPA ID:	N
Trans1 EPA ID:	N
Trans2 EPA ID:	N
TSDF ID:	N
Waste Code:	N
Quantity:	Not reported
Units:	1
Number of Containers:	DM
Container Type:	450
Handling Method:	P
Specific Gravity:	1
Waste Code:	B
Quantity:	Not reported
Units:	Not reported
Number of Containers:	Not reported
Container Type:	Not reported
Handling Method:	Not reported
Specific Gravity:	Not reported
Year:	Not reported

Document ID:	06
Manifest Status:	NJA5114139
Trans1 State ID:	NYD001360155
Trans2 State ID:	Not reported
Generator Ship Date:	NJD002182897
Trans1 Recv Date:	Not reported
Trans2 Recv Date:	NJD071629976
TSD Site Recv Date:	Not reported
Part A Recv Date:	KYD053348108
Part B Recv Date:	2006-02-03
Generator EPA ID:	N
Trans1 EPA ID:	N
Trans2 EPA ID:	N
TSDF ID:	N
Waste Code:	N
Quantity:	Not reported
Units:	4
Number of Containers:	DM
Container Type:	1800
Handling Method:	P
Specific Gravity:	1
Waste Code:	B
Quantity:	Not reported
Units:	Not reported
Number of Containers:	Not reported
Container Type:	Not reported
Handling Method:	Not reported
Specific Gravity:	Not reported
Year:	Not reported

AMSTERDAM COLOR WORKS INC (Continued) **1000401809**

Document ID:	06
Manifest Status:	NJA5114139
Trans1 State ID:	NYD001360155
Trans2 State ID:	Not reported
Generator Ship Date:	NJD002182897
Trans1 Recv Date:	Not reported
Trans2 Recv Date:	NJD071629976
TSD Site Recv Date:	Not reported
Part A Recv Date:	KYD053348108
Part B Recv Date:	2006-02-03
Generator EPA ID:	N
Trans1 EPA ID:	N
Trans2 EPA ID:	N
TSDF ID:	N
Waste Code:	N
Quantity:	Not reported
Units:	1
Number of Containers:	DM
Container Type:	450
Handling Method:	P
Specific Gravity:	1
Waste Code:	B
Quantity:	Not reported
Units:	Not reported
Number of Containers:	Not reported
Container Type:	Not reported
Handling Method:	Not reported
Specific Gravity:	Not reported
Year:	Not reported

Document ID:	06
Manifest Status:	NJA5114139
Trans1 State ID:	NYD001360155
Trans2 State ID:	Not reported
Generator Ship Date:	NJD002182897
Trans1 Recv Date:	Not reported
Trans2 Recv Date:	NJD071629976
TSD Site Recv Date:	Not reported
Part A Recv Date:	KYD053348108
Part B Recv Date:	2006-02-03
Generator EPA ID:	N
Trans1 EPA ID:	N
Trans2 EPA ID:	N
TSDF ID:	N
Waste Code:	N
Quantity:	Not reported
Units:	1
Number of Containers:	DM
Container Type:	450
Handling Method:	P
Specific Gravity:	1
Waste Code:	B
Quantity:	Not reported
Units:	Not reported
Number of Containers:	Not reported
Container Type:	Not reported

AMSTERDAM COLOR WORKS INC (Continued) **1000401809**

Handling Method:	Not reported
Specific Gravity:	Not reported
Year:	Not reported

Document ID:	06
Manifest Status:	NJA5114140
Trans1 State ID:	NYD001360155
Trans2 State ID:	Not reported
Generator Ship Date:	NJD002182897
Trans1 Recv Date:	Not reported
Trans2 Recv Date:	NJD071629976
TSD Site Recv Date:	Not reported
Part A Recv Date:	KYD053348108
Part B Recv Date:	2006-02-03
Generator EPA ID:	N
Trans1 EPA ID:	N
Trans2 EPA ID:	N
TSDF ID:	N
Waste Code:	N
Quantity:	Not reported
Units:	2
Number of Containers:	DM
Container Type:	900
Handling Method:	P
Specific Gravity:	1
Waste Code:	B
Quantity:	Not reported
Units:	Not reported
Number of Containers:	Not reported
Container Type:	Not reported
Handling Method:	Not reported
Specific Gravity:	Not reported
Year:	Not reported

Document ID:	06
Manifest Status:	NJA5114140
Trans1 State ID:	NYD001360155
Trans2 State ID:	Not reported
Generator Ship Date:	NJD002182897
Trans1 Recv Date:	Not reported
Trans2 Recv Date:	NJD071629976
TSD Site Recv Date:	Not reported
Part A Recv Date:	KYD053348108
Part B Recv Date:	2006-02-03
Generator EPA ID:	N
Trans1 EPA ID:	N
Trans2 EPA ID:	N
TSDF ID:	N
Waste Code:	N
Quantity:	Not reported
Units:	1
Number of Containers:	DM
Container Type:	450
Handling Method:	P
Specific Gravity:	1

AMSTERDAM COLOR WORKS INC (Continued) **1000401809**

Waste Code:	B
Quantity:	Not reported
Units:	Not reported
Number of Containers:	Not reported
Container Type:	Not reported
Handling Method:	Not reported
Specific Gravity:	Not reported
Year:	Not reported

Document ID:	06
Manifest Status:	NJA5114140
Trans1 State ID:	NYD001360155
Trans2 State ID:	Not reported
Generator Ship Date:	NJD002182897
Trans1 Recv Date:	Not reported
Trans2 Recv Date:	NJD071629976
TSD Site Recv Date:	Not reported
Part A Recv Date:	KYD053348108
Part B Recv Date:	2006-02-03
Generator EPA ID:	N
Trans1 EPA ID:	N
Trans2 EPA ID:	N
TSDF ID:	N
Waste Code:	N
Quantity:	Not reported
Units:	1
Number of Containers:	DM
Container Type:	450
Handling Method:	P
Specific Gravity:	1
Waste Code:	B
Quantity:	Not reported
Units:	Not reported
Number of Containers:	Not reported
Container Type:	Not reported
Handling Method:	Not reported
Specific Gravity:	Not reported
Year:	Not reported

Document ID:	06
Manifest Status:	NJA5114140
Trans1 State ID:	NYD001360155
Trans2 State ID:	Not reported
Generator Ship Date:	NJD002182897
Trans1 Recv Date:	Not reported
Trans2 Recv Date:	NJD071629976
TSD Site Recv Date:	Not reported
Part A Recv Date:	KYD053348108
Part B Recv Date:	2006-02-03
Generator EPA ID:	N
Trans1 EPA ID:	N
Trans2 EPA ID:	N
TSDF ID:	N
Waste Code:	N
Quantity:	Not reported

AMSTERDAM COLOR WORKS INC (Continued) **1000401809**

Units:	1
Number of Containers:	DM
Container Type:	450
Handling Method:	P
Specific Gravity:	1
Waste Code:	B
Quantity:	Not reported
Units:	Not reported
Number of Containers:	Not reported
Container Type:	Not reported
Handling Method:	Not reported
Specific Gravity:	Not reported
Year:	Not reported

Document ID:	06
Manifest Status:	NJA5114141
Trans1 State ID:	NYD001360155
Trans2 State ID:	Not reported
Generator Ship Date:	NJD002182897
Trans1 Recv Date:	Not reported
Trans2 Recv Date:	NJD071629976
TSD Site Recv Date:	Not reported
Part A Recv Date:	KYD053348108
Part B Recv Date:	2006-02-03
Generator EPA ID:	N
Trans1 EPA ID:	N
Trans2 EPA ID:	N
TSDF ID:	N
Waste Code:	N
Quantity:	Not reported
Units:	1
Number of Containers:	DM
Container Type:	450
Handling Method:	P
Specific Gravity:	1
Waste Code:	B
Quantity:	Not reported
Units:	Not reported
Number of Containers:	Not reported
Container Type:	Not reported
Handling Method:	Not reported
Specific Gravity:	Not reported
Year:	Not reported

Click this hyperlink while viewing on your computer to access
77 additional NY_MANIFEST: record(s) in the EDR Site Report.

A2 Target Property | **AMSTERDAM COLOR WORKS**
1546 STILLWELL AVE. BRONX NY 10461
BRONX, NY 10461

ICIS **1011614875**
N/A

Site 2 of 3 in cluster A

Actual: 21 ft.

ICIS:

Enforcement Action ID:	02-1986-0108
FRS ID:	110000322712
Program ID:	TRIS 10461MSTRD1546S
Action Name:	AMSTERDAM COLOR WORKS
Facility Name:	AMSTERDAM COLOR WORKS
Facility Address:	1546 STILLWELL AVE. BRONX NY 10461 BRONX, New York 10461
Enforcement Action Type:	RCRA 3008A AO For Comp And/Or Penalty
Facility County:	Bronx
EPA Region #:	2

Enforcement Action ID:	02-1986-0108
FRS ID:	110000322712
Program ID:	AIRS/AFS 36005R1163
Action Name:	AMSTERDAM COLOR WORKS
Facility Name:	AMSTERDAM COLOR WORKS INC
Facility Address:	1546 STILLWELL AVE. BRONX NY 10461 BRONX, New York 10461
Enforcement Action Type:	RCRA 3008A AO For Comp And/Or Penalty
Facility County:	Bronx
EPA Region #:	2

Enforcement Action ID:	02-1986-0108
FRS ID:	110000322712
Program ID:	BR NYD001360155
Action Name:	AMSTERDAM COLOR WORKS
Facility Name:	AMSTERDAM COLOR WORKS INC
Facility Address:	1546 STILLWELL AVE. BRONX NY 10461 BRONX, New York 10461
Enforcement Action Type:	RCRA 3008A AO For Comp And/Or Penalty
Facility County:	Bronx
EPA Region #:	2

Enforcement Action ID:	02-1986-0108
FRS ID:	110000322712
Program ID:	NEI NTI35043
Action Name:	AMSTERDAM COLOR WORKS
Facility Name:	AMSTERDAM COLOR WORKS
Facility Address:	1546 STILLWELL AVE. BRONX NY 10461 BRONX, New York 10461
Enforcement Action Type:	RCRA 3008A AO For Comp And/Or Penalty
Facility County:	Bronx
EPA Region #:	2

Enforcement Action ID:	02-1986-0108
FRS ID:	110000322712
Program ID:	FRS 110000322712
Action Name:	AMSTERDAM COLOR WORKS
Facility Name:	AMSTERDAM COLOR WORKS INC
Facility Address:	1546 STILLWELL AVE. BRONX NY 10461 BRONX, New York 10461
Enforcement Action Type:	RCRA 3008A AO For Comp And/Or Penalty

AMSTERDAM COLOR WORKS (Continued) **1011614875**

Facility County:	Bronx
EPA Region #:	2
Enforcement Action ID:	02-1986-0108
FRS ID:	110000322712
Program ID:	NEI NEI35043
Action Name:	AMSTERDAM COLOR WORKS
Facility Name:	Not reported
Facility Address:	1546 STILLWELL AVE. BRONX NY 10461 BRONX, New York 10461
Enforcement Action Type:	RCRA 3008A AO For Comp And/Or Penalty
Facility County:	Bronx
EPA Region #:	2
Enforcement Action ID:	02-1986-0108
FRS ID:	110000322712
Program ID:	RCRAINFO NYD001360155
Action Name:	AMSTERDAM COLOR WORKS
Facility Name:	AMSTERDAN COLOR WORKS INC
Facility Address:	1546 STILLWELL AVE. BRONX NY 10461 BRONX, New York 10461
Enforcement Action Type:	RCRA 3008A AO For Comp And/Or Penalty
Facility County:	Bronx
EPA Region #:	2
Enforcement Action ID:	02-1986-0108
FRS ID:	110000322712
Program ID:	FIS 2-6005-00817
Action Name:	AMSTERDAM COLOR WORKS
Facility Name:	AMSTERDAM COLOR WORKS INC
Facility Address:	1546 STILLWELL AVE. BRONX NY 10461 BRONX, New York 10461
Enforcement Action Type:	RCRA 3008A AO For Comp And/Or Penalty
Facility County:	Bronx
EPA Region #:	2

Program ID:	AIRS/AFS 36005R1163
Facility Name:	AMSTERDAM COLOR WORKS INC
Address:	1546 STILLWELL AVE.
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	2851
Latitude:	40.854682
Longitude:	-73.841762
Program ID:	BR NYD001360155
Facility Name:	AMSTERDAM COLOR WORKS INC
Address:	1546 STILLWELL AVE.
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	2851
Latitude:	40.854682
Longitude:	-73.841762

AMSTERDAM COLOR WORKS (Continued) **1011614875**

Program ID: FIS 2-6005-00817
Facility Name: AMSTERDAM COLOR WORKS INC
Address: 1546 STILLWELL AVE.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2851
Latitude: 40.854682
Longitude: -73.841762

Program ID: FRS 110000322712
Facility Name: AMSTERDAM COLOR WORKS INC
Address: 1546 STILLWELL AVE.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2851
Latitude: 40.854682
Longitude: -73.841762

Program ID: NEI NEI35043
Facility Name: AMSTERDAM COLOR WORKS INC
Address: 1546 STILLWELL AVE.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2851
Latitude: 40.854682
Longitude: -73.841762

Program ID: NEI NTI35043
Facility Name: AMSTERDAM COLOR WORKS INC
Address: 1546 STILLWELL AVE.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2851
Latitude: 40.854682
Longitude: -73.841762

Program ID: RCRAINFO NYD001360155
Facility Name: AMSTERDAM COLOR WORKS INC
Address: 1546 STILLWELL AVE.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2851
Latitude: 40.854682
Longitude: -73.841762

Program ID: TRIS 10461MSTRD1546S
Facility Name: AMSTERDAM COLOR WORKS INC
Address: 1546 STILLWELL AVE.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2851

AMSTERDAM COLOR WORKS (Continued) **1011614875**

Latitude: 40.854682
Longitude: -73.841762

A3 Target Property **AMSTERDAM COLOR WORKS INC** **MANIFEST** **S110049368**
1546 STILLWELL AVENUE **N/A**
BRONX, NY 10461

Site 3 of 3 in cluster A

Actual: 21 ft.

PA MANIFEST:

Manifest Number:	004470806JJK
Manifest Type:	T
Generator EPA Id:	NYD001360155
Generator Date:	5/8/2008
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD Epa Id:	PAD067098822
TSD Date:	Not reported
TSD Facility Name:	CYCLE CHEM INC
TSD Facility Address:	550 INDUSTRIAL DRIVE
TSD Facility City:	LEWISBERRY
TSD Facility State:	PA
Facility Telephone:	718-828-8000
Page Number:	1
Line Number:	2
Waste Number:	D005
Container Number:	1
Container Type:	Metal drums, barrels, kegs
Waste Quantity:	200
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported

Manifest Number:	004470807JJK
Manifest Type:	T
Generator EPA Id:	NYD001360155
Generator Date:	5/8/2008
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD Epa Id:	PAD067098822
TSD Date:	Not reported
TSD Facility Name:	CYCLE CHEM INC
TSD Facility Address:	550 INDUSTRIAL DRIVE
TSD Facility City:	LEWISBERRY
TSD Facility State:	PA
Facility Telephone:	718-828-8000
Page Number:	1
Line Number:	1
Waste Number:	D001
Container Number:	10
Container Type:	Metal drums, barrels, kegs
Waste Quantity:	500
Unit:	Gallons (liquids only)

AMSTERDAM COLOR WORKS INC (Continued) **S110049368**

Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported
Manifest Number:	004470806JJK
Manifest Type:	T
Generator EPA Id:	NYD001360155
Generator Date:	5/8/2008
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD Epa Id:	PAD067098822
TSD Date:	Not reported
TSD Facility Name:	CYCLE CHEM INC
TSD Facility Address:	550 INDUSTRIAL DRIVE
TSD Facility City:	LEWISBERRY
TSD Facility State:	PA
Facility Telephone:	718-828-8000
Page Number:	1
Line Number:	4
Waste Number:	x99x
Container Number:	1
Container Type:	Metal drums, barrels, kegs
Waste Quantity:	200
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported
Manifest Number:	004470807JJK
Manifest Type:	T
Generator EPA Id:	NYD001360155
Generator Date:	5/8/2008
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD Epa Id:	PAD067098822
TSD Date:	Not reported
TSD Facility Name:	CYCLE CHEM INC
TSD Facility Address:	550 INDUSTRIAL DRIVE
TSD Facility City:	LEWISBERRY
TSD Facility State:	PA
Facility Telephone:	718-828-8000
Page Number:	1
Line Number:	4
Waste Number:	x99x
Container Number:	10
Container Type:	Metal drums, barrels, kegs
Waste Quantity:	450
Unit:	Gallons (liquids only)
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported
Manifest Number:	004470806JJK

AMSTERDAM COLOR WORKS INC (Continued) **S110049368**

Manifest Type:	T
Generator EPA Id:	NYD001360155
Generator Date:	5/8/2008
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD Epa Id:	PAD067098822
TSD Date:	Not reported
TSD Facility Name:	CYCLE CHEM INC
TSD Facility Address:	550 INDUSTRIAL DRIVE
TSD Facility City:	LEWISBERRY
TSD Facility State:	PA
Facility Telephone:	718-828-8000
Page Number:	1
Line Number:	1
Waste Number:	D001
Container Number:	12
Container Type:	Wooden boxes, cartons, cases
Waste Quantity:	6000
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported

Manifest Number:	004470806JJK
Manifest Type:	T
Generator EPA Id:	NYD001360155
Generator Date:	5/8/2008
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD Epa Id:	PAD067098822
TSD Date:	Not reported
TSD Facility Name:	CYCLE CHEM INC
TSD Facility Address:	550 INDUSTRIAL DRIVE
TSD Facility City:	LEWISBERRY
TSD Facility State:	PA
Facility Telephone:	718-828-8000
Page Number:	1
Line Number:	2
Waste Number:	D007
Container Number:	1
Container Type:	Metal drums, barrels, kegs
Waste Quantity:	200
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported

Manifest Number:	004470806JJK
Manifest Type:	T
Generator EPA Id:	NYD001360155
Generator Date:	5/8/2008
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported

AMSTERDAM COLOR WORKS INC (Continued) **S110049368**

Contact Name:	Not reported
Contact Phone:	Not reported
TSD Epa Id:	PAD067098822
TSD Date:	Not reported
TSD Facility Name:	CYCLE CHEM INC
TSD Facility Address:	550 INDUSTRIAL DRIVE
TSD Facility City:	LEWISBERRY
TSD Facility State:	PA
Facility Telephone:	718-828-8000
Page Number:	1
Line Number:	3
Waste Number:	D001
Container Number:	1
Container Type:	Metal drums, barrels, kegs
Waste Quantity:	185
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported

Manifest Number:	004470807JJK
Manifest Type:	T
Generator EPA Id:	NYD001360155
Generator Date:	5/8/2008
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD Epa Id:	PAD067098822
TSD Date:	Not reported
TSD Facility Name:	CYCLE CHEM INC
TSD Facility Address:	550 INDUSTRIAL DRIVE
TSD Facility City:	LEWISBERRY
TSD Facility State:	PA
Facility Telephone:	718-828-8000
Page Number:	1
Line Number:	2
Waste Number:	D001
Container Number:	8
Container Type:	Metal drums, barrels, kegs
Waste Quantity:	400
Unit:	Gallons (liquids only)
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported

Manifest Number:	004470807JJK
Manifest Type:	T
Generator EPA Id:	NYD001360155
Generator Date:	5/8/2008
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD Epa Id:	PAD067098822
TSD Date:	Not reported
TSD Facility Name:	CYCLE CHEM INC

AMSTERDAM COLOR WORKS INC (Continued) **S110049368**

TSD Facility Address:	550 INDUSTRIAL DRIVE
TSD Facility City:	LEWISBERRY
TSD Facility State:	PA
Facility Telephone:	718-828-8000
Page Number:	1
Line Number:	3
Waste Number:	D001
Container Number:	11
Container Type:	Metal drums, barrels, kegs
Waste Quantity:	550
Unit:	Gallons (liquids only)
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported

B4 **ITALY AUTO REPAIR INC.** **UST** **U004047205**
NW **1539 STILLWELL AVENUE** **N/A**
< 1/8 **BRONX, NY 10461**
0.033 mi.
175 ft. **Site 1 of 2 in cluster B**

Relative:
Higher

Actual:
26 ft.

UST:

Facility Id:	2-609748
Region:	STATE
DEC Region:	2
Site Status:	Unregulated
Program Type:	PBS
Expiration Date:	N/A
UTM X:	597571.45172000001
UTM Y:	4523211.00746

Affiliation Records:

Site Id:	332738
Affiliation Type:	Owner
Company Name:	ALFONSO DINARDI
Contact Type:	MANAGER
Contact Name:	ANTONIO DINARDI
Address1:	15 SUMNER AVE
Address2:	Not reported
City:	YONKERS
State:	NY
Zip Code:	10704
Country Code:	001
Phone:	(914) 964-9448
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	11/6/2008

Site Id:	332738
Affiliation Type:	Mail Contact
Company Name:	ITALY AUTO REPAIR &
Contact Type:	Not reported
Contact Name:	ANTONIO DINARDI
Address1:	BODY WORK INC.
Address2:	1539 STILLWELL AVENUE
City:	BRONX

ITALY AUTO REPAIR INC. (Continued) **U004047205**

State:	NY
Zip Code:	10461
Country Code:	001
Phone:	(718) 409-5459
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	10/21/2004

Site Id:	332738
Affiliation Type:	On-Site Operator
Company Name:	ITALY AUTO REPAIR INC.
Contact Type:	Not reported
Contact Name:	ANTONIO DINARDI
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NY
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 409-5459
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	11/6/2008

Site Id:	332738
Affiliation Type:	Emergency Contact
Company Name:	ALFONSO DINARDI
Contact Type:	Not reported
Contact Name:	ANTONIO DINARDI
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 409-5459
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	6/18/2010

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
B01 - Tank External Protection - Painted/Asphalt Coating
G00 - Tank Secondary Containment - None
C02 - Pipe Location - Underground/On-ground
K00 - Spill Prevention - None
L00 - Piping Leak Detection - None
I00 - Overfill - None
E00 - Piping Secondary Containment - None

ITALY AUTO REPAIR INC. (Continued) **U004047205**

F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None

Tank Info:

Site ID:	332738
Tank Number:	001
Tank ID:	180554
Tank Status:	Administratively Closed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1993-10-29 00:00:00
Capacity Gallons:	275
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	2010-06-18 00:00:00

B5 **TONY'S AUTO REPAIR SHOP INC.** **AST** **A100296398**
WNW **1531 STILLWELL AVENUE** **N/A**
< 1/8 **BRONX, NY 10461**
0.034 mi.
181 ft. **Site 2 of 2 in cluster B**

Relative:
Higher

Actual:
27 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-609824
Program Type:	PBS
UTM X:	597556.34516000003
UTM Y:	4523186.7144299997
Expiration Date:	2010/01/24

Affiliation Records:

Site Id:	336657
Affiliation Type:	Owner
Company Name:	LUIS ACEVEDO
Contact Type:	PRESIDENT
Contact Name:	LUIS ACEVEDO
Address1:	42 MAPLE AVE
Address2:	Not reported
City:	IRVINTON
State:	NJ
Zip Code:	07111
Country Code:	001
Phone:	(973) 351-8129
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	1/24/2005
Site Id:	336657

TONY'S AUTO REPAIR SHOP INC. (Continued) **A100296398**

Affiliation Type:	Mail Contact
Company Name:	TONYS AUTO REPAIR SHOP INC.
Contact Type:	Not reported
Contact Name:	LUIS ACEVEDO
Address1:	1531 STILLWELL AVENUE
Address2:	Not reported
City:	BRONX
State:	NY
Zip Code:	10461
Country Code:	001
Phone:	(718) 824-6081
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	1/24/2005

Site Id:	336657
Affiliation Type:	On-Site Operator
Company Name:	TONYS AUTO REPAIR SHOP INC.
Contact Type:	Not reported
Contact Name:	LUIS ACEVEDO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 824-6081
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	1/24/2005

Site Id:	336657
Affiliation Type:	Emergency Contact
Company Name:	LUIS ACEVEDO
Contact Type:	Not reported
Contact Name:	HISE TAVERAS
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(646) 431-0617
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	1/24/2005

Equipment Records:

J01 - Dispenser - Submersible
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None

TONY'S AUTO REPAIR SHOP INC. (Continued) **A100296398**

K01 - Spill Prevention - Catch Basin
B00 - Tank External Protection - None
A02 - Tank Internal Protection - Rubber Liner
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I99 - Overfill - Other
L00 - Piping Leak Detection - None
E00 - Piping Secondary Containment - None

Tank Info:

Tank Number:	888863
Tank Id:	181534
Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	2004-11-01 00:00:00
Capacity Gallons:	100
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	2005-01-24 00:00:00

C6 **AMSTERDAM PAINT FACTORY** **NY Spills** **S103572035**
South **1547 BASSETT AV** **NY Hist Spills** **N/A**
< 1/8 **BRONX, NY**
0.047 mi.
250 ft. **Site 1 of 3 in cluster C**

Relative:
Equal

Actual:
21 ft.

NY Spills:

Site ID:	324351
Facility Addr2:	Not reported
Facility ID:	9801434
Spill Number:	9801434
Facility Type:	ER
SWIS:	0301
Investigator:	CAENGELH
Referred To:	Not reported
Spill Date:	5/2/1998
Reported to Dept:	5/2/1998
CID:	297
Spill Cause:	Other
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Fire Department
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

AMSTERDAM PAINT FACTORY (Continued) **S103572035**

Spill Closed Dt:	2/12/2003
Remediation Phase:	0
Date Entered In Computer:	5/2/1998
Spill Record Last Update:	2/12/2003
Spiller Name:	Not reported
Spiller Company:	AMSTERDAM PAINT FACTORY
Spiller Address:	1547 BASSETT AV
Spiller City,St,Zip:	BRONX, NY
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
DER Facility ID:	261273
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT" Fax To Dep2/12/2003 - Closed Due To The Nature / Extent Of The Spill Report
Remarks:	RUNOFF FROM A FIRE CONTAINS MISCELLANEOUS PAINT MATERIALS AND IS ON LAND AND ENTERING THE SEWERS

Material:

Site ID:	324351
Operable Unit ID:	1062015
Operable Unit:	01
Material ID:	323371
Material Code:	0063A
Material Name:	UNKNOWN HAZARDOUS MATERIAL
Case No.:	Not reported
Material FA:	Hazardous Material
Quantity:	25
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False
Site ID:	324351
Operable Unit ID:	1062015
Operable Unit:	01
Material ID:	323373
Material Code:	0056A
Material Name:	PAINT THINNERS
Case No.:	Not reported
Material FA:	Other
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False
Site ID:	324351
Operable Unit ID:	1062015
Operable Unit:	01
Material ID:	323372
Material Code:	0055A
Material Name:	PAINT
Case No.:	Not reported
Material FA:	Other
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported

AMSTERDAM PAINT FACTORY (Continued) **S103572035**

Oxygenate: False

Tank Test:
Site ID: Not reported
Spill Tank Test: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate: Not reported
Gross Fail: Not reported
Modified By: Not reported
Last Modified: Not reported
Test Method: Not reported

NY Hist Spills:
Region of Spill: 2
Spill Number: 9801434
Investigator: ENGELHARDT
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 05/02/1998 21:45
Reported to Dept Date/Time: 05/02/98 22:14
SWIS: 60
Spiller Name: AMSTERDAM PAINT FACTORY
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Address: 1547 BASSETT AV
Spiller City,St,Zip: BRONX, NY
Spill Cause: Other
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 01
Spill Notifier: Fire Department
PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 05/02/98
Date Spill Entered In Computer Data File: Not reported
Update Date: 05/04/98
Is Updated: False

AMSTERDAM PAINT FACTORY (Continued) **S103572035**

Tank:

PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	Nonpetroleum/Nonhazardous
Quantity Spilled:	25
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	UNKNOWN HAZARDOUS MATERIAL
Class Type:	UNKNOWN HAZARDOUS MATERIAL
Times Material Entry In File:	2093
CAS Number:	Not reported
Last Date:	19940728
Material Class Type:	Hazardous Material
Quantity Spilled:	0
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	PAINT
Class Type:	PAINT
Times Material Entry In File:	431
CAS Number:	Not reported
Last Date:	19940929
Material Class Type:	Hazardous Material
Quantity Spilled:	0
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	PAINT THINNERS
Class Type:	PAINT THINNERS
Times Material Entry In File:	124
CAS Number:	Not reported
Last Date:	19940728
DEC Remarks:	FAX TO DEP
Remark:	RUNOFF FROM A FIRE CONTAINS MISCELLANEOUS PAINT MATERIALS AND IS ON LAND AND ENTERING THE SEWERS

D7 **FRANK & SON AUTO BODY** **RCRA-SQG** **1008404477**
North **1530 STILLWELL AVE** **MANIFEST** **NYR000134742**
< 1/8 **BRONX, NY 10461**
0.054 mi.
287 ft. **Site 1 of 3 in cluster D**

Relative:
Higher

Actual:
22 ft.

RCRA-SQG:

Date form received by agency:	01/01/2007
Facility name:	FRANK & SON AUTO BODY
Facility address:	1530 STILLWELL AVE BRONX, NY 10461
EPA ID:	NYR000134742

FRANK & SON AUTO BODY (Continued) **1008404477**

Mailing address: STILLWELL AVE
BRONX, NY 10461
Contact: DOMENICO ASSALONE
Contact address: STILLWELL AVE
BRONX, NY 10461
Contact country: US
Contact telephone: (718) 822-6726
Contact email: Not reported
EPA Region: 02
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: NO NAME FOUND
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 02/25/1992
Owner/Op end date: Not reported

Owner/operator name: NO NAME FOUND
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 02/25/1992
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006

FRANK & SON AUTO BODY (Continued) **1008404477**

Facility name: FRANK & SON AUTO BODY
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 09/26/2005
Facility name: FRANK & SON AUTO BODY
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYR000134742
Country: USA
Mailing Name: FRANK AND SON AUTOBODY
Mailing Contact: FRANK AND SON AUTOBODY
Mailing Address: 1530 STILLWELL
Mailing Address 2: Not reported
Mailing City: BRONX
Mailing State: NY
Mailing Zip: 10461
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 178-822-6726

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJD080631369
Trans2 State ID: Not reported
Generator Ship Date: 2008-07-22
Trans1 Recv Date: 2008-07-22
Trans2 Recv Date: Not reported
TSD Site Recv Date: 2008-07-22
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000134742
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD002454544
Waste Code: Not reported
Quantity: 55.0
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 1.0
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 1.0
Year: 2008
Manifest Tracking Num: 000236492VES
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H061

FRANK & SON AUTO BODY (Continued) **1008404477**

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2008-10-21
Trans1 Recv Date:	2008-10-21
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2008-10-21
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000134742
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002454544
Waste Code:	Not reported
Quantity:	50.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	000204900VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	06
Manifest Status:	000020713VES
Trans1 State ID:	NYR000134742
Trans2 State ID:	Not reported
Generator Ship Date:	NJD980536593
Trans1 Recv Date:	Not reported
Trans2 Recv Date:	NJD080631369
TSD Site Recv Date:	Not reported
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	N
Trans1 EPA ID:	N
Trans2 EPA ID:	N
TSDF ID:	N
Waste Code:	N
Quantity:	Not reported
Units:	1
Number of Containers:	DM
Container Type:	400
Handling Method:	P
Specific Gravity:	1

FRANK & SON AUTO BODY (Continued) **1008404477**

Waste Code:	T
Quantity:	F005
Units:	D035
Number of Containers:	Not reported
Container Type:	Not reported
Handling Method:	Not reported
Specific Gravity:	Not reported
Year:	Not reported

Document ID:	06
Manifest Status:	NJA5319292
Trans1 State ID:	NYR000134742
Trans2 State ID:	Not reported
Generator Ship Date:	NJD980536593
Trans1 Recv Date:	Not reported
Trans2 Recv Date:	NJD080631369
TSD Site Recv Date:	Not reported
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	N
Trans1 EPA ID:	N
Trans2 EPA ID:	N
TSDF ID:	N
Waste Code:	N
Quantity:	Not reported
Units:	1
Number of Containers:	DM
Container Type:	400
Handling Method:	P
Specific Gravity:	1
Waste Code:	T
Quantity:	Not reported
Units:	Not reported
Number of Containers:	Not reported
Container Type:	Not reported
Handling Method:	Not reported
Specific Gravity:	Not reported
Year:	Not reported

Document ID:	06
Manifest Status:	NJA5320326
Trans1 State ID:	NYR000134742
Trans2 State ID:	Not reported
Generator Ship Date:	NJD980536593
Trans1 Recv Date:	Not reported
Trans2 Recv Date:	NJD080631369
TSD Site Recv Date:	Not reported
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	N
Trans1 EPA ID:	N
Trans2 EPA ID:	N
TSDF ID:	N
Waste Code:	N
Quantity:	Not reported

FRANK & SON AUTO BODY (Continued) **1008404477**

Units:	1
Number of Containers:	DM
Container Type:	400
Handling Method:	P
Specific Gravity:	1
Waste Code:	T
Quantity:	Not reported
Units:	Not reported
Number of Containers:	Not reported
Container Type:	Not reported
Handling Method:	Not reported
Specific Gravity:	Not reported
Year:	Not reported

Document ID:	07
Manifest Status:	000020841VES
Trans1 State ID:	NYR000134742
Trans2 State ID:	Not reported
Generator Ship Date:	NJD980536593
Trans1 Recv Date:	Not reported
Trans2 Recv Date:	NJD080631369
TSD Site Recv Date:	Not reported
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	N
Trans1 EPA ID:	N
Trans2 EPA ID:	N
TSDF ID:	N
Waste Code:	N
Quantity:	Not reported
Units:	1
Number of Containers:	DM
Container Type:	460
Handling Method:	P
Specific Gravity:	1
Waste Code:	T
Quantity:	F005
Units:	D035
Number of Containers:	Not reported
Container Type:	Not reported
Handling Method:	Not reported
Specific Gravity:	Not reported
Year:	Not reported

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2009-02-24
Trans1 Recv Date:	2009-02-24
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2009-02-24
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000134742

FRANK & SON AUTO BODY (Continued) **1008404477**

Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002454544
Waste Code:	Not reported
Quantity:	50.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	000201759VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2011-01-04
Trans1 Recv Date:	2011-01-04
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2011-01-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000134742
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	400.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000400925VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported

FRANK & SON AUTO BODY (Continued) **1008404477**

Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2011-04-06
Trans1 Recv Date:	2011-04-06
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2011-04-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000134742
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	680.0
Units:	P - Pounds
Number of Containers:	8.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000433135VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2007-03-30
Trans1 Recv Date:	2007-03-30
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2007-03-30
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000134742
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	460.0
Units:	P - Pounds

FRANK & SON AUTO BODY (Continued) **1008404477**

Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2007
Manifest Tracking Num:	000020841VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2007-08-24
Trans1 Recv Date:	2007-08-24
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2007-08-24
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000134742
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	400.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2007
Manifest Tracking Num:	000111833VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported

FRANK & SON AUTO BODY (Continued) **1008404477**

Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	3/30/2007
Trans1 Recv Date:	3/30/2007
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	3/30/2007
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000134742
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	460
Units:	P - Pounds
Number of Containers:	1
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2007
Manifest Tracking Num:	000020841VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	8/24/2007
Trans1 Recv Date:	8/24/2007
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	8/24/2007
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000134742
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	400
Units:	P - Pounds
Number of Containers:	1
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2007
Manifest Tracking Num:	000111833VES

FRANK & SON AUTO BODY (Continued) **1008404477**

Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	11/14/2007
Trans1 Recv Date:	11/14/2007
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/14/2007
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000134742
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	400
Units:	P - Pounds
Number of Containers:	1
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2007
Manifest Tracking Num:	000161525VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2009-06-12
Trans1 Recv Date:	2009-06-12
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2009-06-12

FRANK & SON AUTO BODY (Continued) **1008404477**

Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000134742
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002454544
Waste Code:	Not reported
Quantity:	400.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	000210724VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2009-02-24
Trans1 Recv Date:	2009-02-24
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2009-02-24
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000134742
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002454544
Waste Code:	Not reported
Quantity:	50.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	000201759VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N

FRANK & SON AUTO BODY (Continued) **1008404477**

Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2009-11-04
Trans1 Recv Date:	2009-11-04
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2009-11-05
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000134742
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	400.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	000346629VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2009-06-12
Trans1 Recv Date:	2009-06-12
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2009-06-12
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000134742
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002454544

FRANK & SON AUTO BODY (Continued) **1008404477**

Waste Code:	Not reported
Quantity:	400.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	000210724VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2009-02-24
Trans1 Recv Date:	2009-02-24
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2009-02-24
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000134742
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002454544
Waste Code:	Not reported
Quantity:	50.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	000201759VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

FRANK & SON AUTO BODY (Continued) **1008404477**

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2009-06-12
Trans1 Recv Date:	2009-06-12
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2009-06-12
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000134742
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002454544
Waste Code:	Not reported
Quantity:	400.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	000210724VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Click this hyperlink while viewing on your computer to access
9 additional NY_MANIFEST: record(s) in the EDR Site Report.

D8 **FRANK & SON AUTO BODY** **MANIFEST** **S107909479**
North **1530 STILLWELL** **N/A**
< 1/8 **BRONX, NY 10461**
0.054 mi.
287 ft. **Site 2 of 3 in cluster D**

Relative:
Higher

Actual:
22 ft.

NJ MANIFEST:

Manifest Code:	000204900VES
EPA ID:	NYR000134740
Date Shipped:	10/21/2008
TSDF EPA ID:	NJD002454544
Transporter EPA ID:	NJD080631369
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported

FRANK & SON AUTO BODY (Continued) **S107909479**

Date Trans1 Transported Waste:	10/21/2008
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	10/21/2008
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	F003
Manifest Year:	2008 New Jersey Manifest Data
Quantity:	50
Unit:	G
Hand Code:	H061

Manifest Code:	000020841VES
EPA ID:	NYR000134740
Date Shipped:	3/30/200
TSDF EPA ID:	NJD980536593
Transporter EPA ID:	NJD080631369
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	3/30/2
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	3/30/2
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	F003
Manifest Year:	2007 New Jersey Manifest Data

FRANK & SON AUTO BODY (Continued) **S107909479**

Quantity: 400
Unit: P
Hand Code: H14

Manifest Code:	000400622VES
EPA ID:	NYR000134740
Date Shipped:	09/15/10
TSDF EPA ID:	NJD980536593
Transporter EPA ID:	NJD080631369
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	09/15/10
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	09/20/10
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported

Waste Code: F003
Manifest Year: 2010 New Jersey Manifest Data
Quantity: 400
Unit: P
Hand Code: H141

Manifest Code:	000346773VES
EPA ID:	NYR000134740
Date Shipped:	02/05/10
TSDF EPA ID:	NJD980536593
Transporter EPA ID:	NJD080631369
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported

FRANK & SON AUTO BODY (Continued) **S107909479**

Date Trans1 Transported Waste:	02/05/10
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	02/12/10
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	F003
Manifest Year:	2010 New Jersey Manifest Data
Quantity:	400
Unit:	P
Hand Code:	H141

Manifest Code:	000210724VES
EPA ID:	NYR000134740
Date Shipped:	06/12/09
TSDF EPA ID:	NJD002454544
Transporter EPA ID:	NJD080631369
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	06/12/09
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	06/12/09
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	F003
Manifest Year:	2009 New Jersey Manifest Data

FRANK & SON AUTO BODY (Continued) **S107909479**

Quantity: 400
Unit: P
Hand Code: H061

Manifest Code: 000346629VES
EPA ID: NYR000134740
Date Shipped: 11/04/09
TSDF EPA ID: NJD980536593
Transporter EPA ID: NJD080631369
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 11/04/09
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 11/05/09
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Data Entry Number: Not reported
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: F003
Manifest Year: 2009 New Jersey Manifest Data
Quantity: 400
Unit: P
Hand Code: H141

Manifest Code: 000884282JJK
EPA ID: NYR000134740
Date Shipped: 4/18/2008
TSDF EPA ID: NJD002454544
Transporter EPA ID: NJD080631369
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported

FRANK & SON AUTO BODY (Continued) **S107909479**

Date Trans1 Transported Waste:	4/18/2008
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	4/18/2008
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	F003
Manifest Year:	2008 New Jersey Manifest Data
Quantity:	50
Unit:	G
Hand Code:	H061

Manifest Code:	NJA5320326
EPA ID:	NYR000134740
Date Shipped:	20060817
TSDF EPA ID:	NJD980536593
Transporter EPA ID:	NJD080631369
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	060817
Date Trans2 Transported Waste:	000000
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	060817
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Data Entry Number:	09130621
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported

FRANK & SON AUTO BODY (Continued) **S107909479**

Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: 000111833VES
EPA ID: NYR000134740
Date Shipped: 8/24/200
TSDF EPA ID: NJD980536593
Transporter EPA ID: NJD080631369
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 8/24/2
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 8/24/2
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Data Entry Number: Not reported
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: F003
Manifest Year: 2007 New Jersey Manifest Data
Quantity: 400
Unit: P
Hand Code: H14

Manifest Code: 000201759VES
EPA ID: NYR000134740
Date Shipped: 02/24/09
TSDF EPA ID: NJD002454544
Transporter EPA ID: NJD080631369
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported

FRANK & SON AUTO BODY (Continued) **S107909479**

Date Trans1 Transported Waste:	02/24/09
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	02/24/09
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	F003
Manifest Year:	2009 New Jersey Manifest Data
Quantity:	50
Unit:	G
Hand Code:	H061

Manifest Code:	000400585VES
EPA ID:	NYR000134740
Date Shipped:	06/30/10
TSDF EPA ID:	NJD980536593
Transporter EPA ID:	NYD064748304
Transporter 2 EPA ID:	NJD080631369
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	06/30/10
Date Trans2 Transported Waste:	7/6/10
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	07/07/10
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	F003
Manifest Year:	2010 New Jersey Manifest Data

FRANK & SON AUTO BODY (Continued) **S107909479**

Quantity: 400
Unit: P
Hand Code: H141

Manifest Code: NJA5264992
EPA ID: NYR000134740
Date Shipped: 20051227
TSDF EPA ID: NJD980536593
Transporter EPA ID: NJD080631369
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 051227
Date Trans2 Transported Waste: 000000
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 051227
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Data Entry Number: 03090635
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: 000236492VES
EPA ID: NYR000134740
Date Shipped: 7/22/2008
TSDF EPA ID: NJD002454544
Transporter EPA ID: NJD080631369
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported

FRANK & SON AUTO BODY (Continued) **S107909479**

Date Trans1 Transported Waste:	7/22/2008
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	7/22/2008
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	F003
Manifest Year:	2008 New Jersey Manifest Data
Quantity:	55
Unit:	G
Hand Code:	H061

Manifest Code:	NJA5319292
EPA ID:	NYR000134740
Date Shipped:	20060424
TSDF EPA ID:	NJD980536593
Transporter EPA ID:	NJD080631369
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	060424
Date Trans2 Transported Waste:	000000
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	060424
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Data Entry Number:	06150622
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported

FRANK & SON AUTO BODY (Continued) **S107909479**

Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: 000462482VES
EPA ID: NYR000134740
Date Shipped: 04/21/10
TSDF EPA ID: NJD980536593
Transporter EPA ID: NJD080631369
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 04/21/10
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 04/21/10
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Data Entry Number: Not reported
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: F003
Manifest Year: 2010 New Jersey Manifest Data
Quantity: 400
Unit: P
Hand Code: H141

Manifest Code: 000161525VES
EPA ID: NYR000134740
Date Shipped: 11/14/20
TSDF EPA ID: NJD980536593
Transporter EPA ID: NJD080631369
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported

FRANK & SON AUTO BODY (Continued) **S107909479**

Date Trans1 Transported Waste:	11/14/
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	11/14/
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

C9 **1535 BASSETT AVE** **NY Spills** **S102141201**
South **1535 BASSETT AVE** **NY Hist Spills** **N/A**
< 1/8 **BRONX, NY**
0.055 mi.
291 ft. **Site 2 of 3 in cluster C**

Relative:
Higher

Actual:
22 ft.

NY Spills:

Site ID:	114819
Facility Addr2:	Not reported
Facility ID:	9104739
Spill Number:	9104739
Facility Type:	ER
SWIS:	0301
Investigator:	MCTIBBE
Referred To:	Not reported
Spill Date:	8/1/1991
Reported to Dept:	8/1/1991
CID:	Not reported
Spill Cause:	Equipment Failure
Water Affected:	Not reported
Spill Source:	Tank Truck
Spill Notifier:	Responsible Party
Cleanup Ceased:	10/15/1991
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	10/15/1991
Remediation Phase:	0
Date Entered In Computer:	8/6/1991

1535 BASSETT AVE (Continued) **S102141201**

Spill Record Last Update:	4/30/2009
Spiller Name:	Not reported
Spiller Company:	REICHOLD CHEMICAL
Spiller Address:	45 ALBERT AVE
Spiller City,St,Zip:	NEWARK, NJ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
DER Facility ID:	100117
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE" 10/10/95: This is additional information about material spilled from the translation of the old spill file: RESIDENT MINERAL SPI.
Remarks:	CLEAN UP CONTRACTOR OHM ON SCENE

Material:

Site ID:	Not reported
Operable Unit ID:	Not reported
Operable Unit:	Not reported
Material ID:	Not reported
Material Code:	Not reported
Material Name:	Not reported
Case No.:	Not reported
Material FA:	Not reported
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

NY Hist Spills:

Region of Spill:	2
Spill Number:	9104739
Investigator:	TIBBE
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	08/01/1991 13:00
Reported to Dept Date/Time:	08/01/91 13:52
SWIS:	60

1535 BASSETT AVE (Continued) **S102141201**

Spiller Name:	REICHOLD CHEMICAL
Spiller Contact:	Not reported
Spiller Phone:	(201) 589-3709
Spiller Address:	45 ALBERT AVE
Spiller City,St,Zip:	NEWARK, NJ
Spill Cause:	Equipment Failure
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	08
Spill Notifier:	Responsible Party
PBS Number:	Not reported
Cleanup Ceased:	10/15/91
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Not reported
Spill Closed Dt:	10/15/91
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	08/06/91
Date Spill Entered In Computer Data File:	Not reported
Update Date:	10/28/91
Is Updated:	False

Tank:

PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	Not reported
Quantity Spilled:	Not reported
Unkonwn Quantity Spilled:	Not reported
Units:	Not reported
Quantity Recovered:	Not reported
Unkonwn Quantity Recovered:	Not reported
Material:	Not reported
Class Type:	Not reported
Times Material Entry In File:	Not reported
CAS Number:	Not reported
Last Date:	Not reported
DEC Remarks:	10/10/95: This is additional information about material spilled from the translation of the old spill file: RESIDENT MINERAL SPI.
Remark:	CLEAN UP CONTRACTOR OHM ON SCENE

D10 North < 1/8 0.057 mi. 299 ft. | **MONGELLI CARTING CO.** | **SWF/LF** | **S105841691** | **N/A**
1565 STILLWELL AVENUE
BRONX, NY 10461

Site 3 of 3 in cluster D

Relative: Higher

Actual: 22 ft.

SWF/LF:

Flag:	INACTIVE
Region Code:	2
Phone Number:	2128290200
Owner Name:	Not reported
Owner Type:	Not reported
Owner Address:	Not reported
Owner Addr2:	Not reported
Owner City,St,Zip:	Not reported
Owner Email:	Not reported
Owner Phone:	Not reported
Contact Name:	LOUIS MONGELLI
Contact Address:	Not reported
Contact Addr2:	Not reported
Contact City,St,Zip:	Not reported
Contact Email:	Not reported
Contact Phone:	Not reported
Activity Desc:	Transfer station - regulated
Activity Number:	[03T58]
Active:	No
East Coordinate:	597000
North Coordinate:	4523300
Accuracy Code:	Not reported
Regulatory Status:	Not reported
Waste Type:	Not reported
Authorization #:	2-6005-00100
Authorization Date:	Not reported
Expiration Date:	Not reported

C11 SSW < 1/8 0.071 mi. 376 ft. | **MAACO AUTO PAINTING & BODYWORKS** | **RCRA-NonGen FINDS** | **1001818140** | **NYR000076240**
1511 BASSETT AVE
BRONX, NY 10461

Site 3 of 3 in cluster C

Relative: Higher

Actual: 23 ft.

RCRA-NonGen:

Date form received by agency:	01/01/2007
Facility name:	MAACO AUTO PAINTING & BODYWORKS
Facility address:	1511 BASSETT AVE BRONX, NY 10461
EPA ID:	NYR000076240
Mailing address:	PO BOX 1276 BRONX, NY 10472
Contact:	JESUS-HECTOR ESTRELLA
Contact address:	PO BOX 1276 BRONX, NY 10472
Contact country:	US
Contact telephone:	(718) 824-1658
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

MAACO AUTO PAINTING & BODYWORKS (Continued) **1001818140**

Owner/Operator Summary:

Owner/operator name:	JJA HOLDING CORP
Owner/operator address:	PO BOX 817 YONKERS, NY 10704
Owner/operator country:	US
Owner/operator telephone:	(718) 324-0886
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	JJA HOLDING CORP
Owner/operator address:	PO BOX 817 YONKERS, NY 10704
Owner/operator country:	US
Owner/operator telephone:	(718) 324-0886
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	01/01/2006
Facility name:	MAACO AUTO PAINTING & BODYWORKS
Classification:	Not a generator, verified

Date form received by agency:	09/02/1999
Facility name:	MAACO AUTO PAINTING & BODYWORKS
Classification:	Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004556141

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of

MAACO AUTO PAINTING & BODYWORKS (Continued) **1001818140**

events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

E12 SSW < 1/8 0.078 mi. 413 ft. | **BRUCKNER MANUFACTURING CORP.** | **HIST UST AST HIST AST** | **U003107123 N/A**

1500 BASSETT AVE
BRONX, NY 10461

Site 1 of 4 in cluster E

Relative: Higher

Actual: 23 ft.

HIST UST:

PBS Number:	2-004480
SPDES Number:	Not reported
Emergency Contact:	DAN FOLEY
Emergency Telephone:	(718) 904-6263
Operator:	BRUCKNER MFG. CORP.
Operator Telephone:	(718) 863-8000
Owner Name:	NYC DEPT. OF GENERAL SERVICES - R. E.
Owner Address:	MUNI BUILDING, 20TH FLOOR NORTH
Owner City,St,Zip:	NEW YORK, NY 10007
Owner Telephone:	(212) 669-4055
Owner Type:	Local Government
Owner Subtype:	Not reported
Mailing Name:	BRESSLER, AMERY & ROSS, P. C.
Mailing Address:	325 COLUMBIA TURNPIKE
Mailing Address 2:	3RD FLOOR
Mailing City,St,Zip:	FLORHAM PARK, NJ 07932
Mailing Contact:	WILLIAM S. HATFIELD, ESQ.
Mailing Telephone:	(201) 514-1200
Owner Mark:	Second Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	BLOCK 4226, LOT 5
SWIS ID:	6001
Old PBS Number:	Not reported
Facility Type:	MANUFACTURING
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	06/07/1996
Expiration Date:	06/06/2001
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	40000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	60
Town or City:	01

BRUCKNER MANUFACTURING CORP. (Continued) **U003107123**

Region: 2

Tank Id: 0F2
Tank Location: UNDERGROUND, VAULTED, WITH ACCESS
Tank Status: In Service
Install Date: 19551201
Capacity (gals): 10000
Product Stored: NOS 1,2, OR 4 FUEL OIL
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Tank External: Not reported
Pipe Location: Not reported
Pipe Type: STEEL/IRON
Pipe Internal: Not reported
Pipe External: Not reported
Second Containment: Diking
Leak Detection: None
Overfill Prot: Product Level Gauge
Dispenser: Suction
Date Tested: Not reported
Next Test Date: Not reported
Missing Data for Tank: Minor Data Missing
Date Closed: Not reported
Test Method: Not reported
Deleted: False
Updated: False
Lat/long: Not reported

Tank Id: 0F3
Tank Location: UNDERGROUND, VAULTED, WITH ACCESS
Tank Status: In Service
Install Date: 19551201
Capacity (gals): 10000
Product Stored: NOS 1,2, OR 4 FUEL OIL
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Tank External: Not reported
Pipe Location: Not reported
Pipe Type: STEEL/IRON
Pipe Internal: Not reported
Pipe External: Not reported
Second Containment: Diking
Leak Detection: None
Overfill Prot: Product Level Gauge
Dispenser: Suction
Date Tested: Not reported
Next Test Date: Not reported
Missing Data for Tank: Minor Data Missing
Date Closed: Not reported
Test Method: Not reported
Deleted: False
Updated: False
Lat/long: Not reported

Tank Id: 0F4

BRUCKNER MANUFACTURING CORP. (Continued) **U003107123**

Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS
Tank Status:	In Service
Install Date:	19551201
Capacity (gals):	10000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Diking
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

Tank Id:	GT-1
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	LEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Not reported
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	05/01/1996
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	GT-2
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported

BRUCKNER MANUFACTURING CORP. (Continued) **U003107123**

Capacity (gals):	550
Product Stored:	LEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Not reported
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	05/01/1996
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	OF-7
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Aboveground/Underground Combination
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Not reported
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	05/01/1996
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-004480
Program Type:	PBS
UTM X:	597481.31305
UTM Y:	4522792.5032599997

BRUCKNER MANUFACTURING CORP. (Continued) **U003107123**

Expiration Date: 2001/06/06

Affiliation Records:

Site Id: 43
Affiliation Type: Owner
Company Name: NYC DEPT. OF GENERAL SERVICES - R. E.
Contact Type: Not reported
Contact Name: Not reported
Address1: MUNI BUILDING, 20TH FLOOR NORTH
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 10007
Country Code: 001
Phone: (212) 669-4055
Phone Ext: Not reported
Email: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 43
Affiliation Type: Mail Contact
Company Name: BRESSLER, AMERY & ROSS, P. C.
Contact Type: Not reported
Contact Name: WILLIAM S. HATFIELD, ESQ.
Address1: 325 COLUMBIA TURNPIKE
Address2: 3RD FLOOR
City: FLORHAM PARK
State: NJ
Zip Code: 07932
Country Code: 001
Phone: (201) 514-1200
Phone Ext: Not reported
Email: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 43
Affiliation Type: On-Site Operator
Company Name: BRUCKNER MANUFACTURING CORP.
Contact Type: Not reported
Contact Name: BRUCKNER MFG. CORP.
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 863-8000
Phone Ext: Not reported
Email: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 43

BRUCKNER MANUFACTURING CORP. (Continued) **U003107123**

Affiliation Type:	Emergency Contact
Company Name:	NYC DEPT. OF GENERAL SERVICES - R. E.
Contact Type:	Not reported
Contact Name:	DAN FOLEY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 904-6263
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Equipment Records:

C03 - Pipe Location - Aboveground/Underground Combination
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
I00 - Overfill - None
I00 - Overfill - None
F00 - Pipe External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
G99 - Tank Secondary Containment - Other
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
B00 - Tank External Protection - None
B00 - Tank External Protection - None
G99 - Tank Secondary Containment - Other
C02 - Pipe Location - Underground/On-ground

BRUCKNER MANUFACTURING CORP. (Continued) **U003107123**

C02 - Pipe Location - Underground/On-ground
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
G03 - Tank Secondary Containment - Vault (w/o access)
G03 - Tank Secondary Containment - Vault (w/o access)
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
B00 - Tank External Protection - None
B00 - Tank External Protection - None
I00 - Overfill - None
G03 - Tank Secondary Containment - Vault (w/o access)
G03 - Tank Secondary Containment - Vault (w/o access)
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None

Tank Info:

Tank Number:	0F1
Tank Id:	981
Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1955-12-01 00:00:00
Capacity Gallons:	10000
Tightness Test Method:	NN

BRUCKNER MANUFACTURING CORP. (Continued) **U003107123**

Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00

Tank Number:	0F5
Tank Id:	985
Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Tank Converted to Non-Regulated Use
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	275
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	1996-08-01 00:00:00
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00

Tank Number:	0F6
Tank Id:	986
Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed Prior to Micro Conversion, 03/91
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1976-12-01 00:00:00
Capacity Gallons:	2000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00

HIST AST:

PBS Number:	2-004480
SWIS Code:	6001
Operator:	BRUCKNER MFG. CORP.
Facility Phone:	(718) 863-8000
Facility Addr2:	BLOCK 4226, LOT 5
Facility Type:	MANUFACTURING
Emergency:	DAN FOLEY
Emergency Tel:	(718) 904-6263
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	NYC DEPT. OF GENERAL SERVICES - R. E.

BRUCKNER MANUFACTURING CORP. (Continued) **U003107123**

Owner Address:	MUNI BUILDING, 20TH FLOOR NORTH
Owner City,St,Zip:	NEW YORK, NY 10007
Federal ID:	Not reported
Owner Tel:	(212) 669-4055
Owner Type:	Local Government
Owner Subtype:	Not reported
Mailing Contact:	WILLIAM S. HATFIELD, ESQ.
Mailing Name:	BRESSLER, AMERY & ROSS, P. C.
Mailing Address:	325 COLUMBIA TURNPIKE
Mailing Address 2:	3RD FLOOR
Mailing City,St,Zip:	FLORHAM PARK, NJ 07932
Mailing Telephone:	(201) 514-1200
Owner Mark:	Second Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	06/07/1996
Expiration:	06/06/2001
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	40000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	60
Town or City Code:	01
Region:	2
Tank ID:	0F1
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	19551201
Capacity (Gal):	10000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	Diking
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False

BRUCKNER MANUFACTURING CORP. (Continued) **U003107123**

SPDES Number:	Not reported
Lat/Long:	Not reported

Tank ID:	0F5
Tank Location:	ABOVEGROUND
Tank Status:	Tank Converted To Non-Regulated Use
Install Date:	Not reported
Capacity (Gal):	275
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	Other
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Gravity
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	08/01/1996
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

Tank ID:	0F6
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE
Tank Status:	Closed Before April 1, 1991
Install Date:	19761201
Capacity (Gal):	2000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	Other
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
SPDES Number:	Not reported

BRUCKNER MANUFACTURING CORP. (Continued) **U003107123**

Lat/Long: Not reported

E13 SSW < 1/8 0.078 mi. 413 ft. **BRUCKNER MANUFACTURING CORP.** **UST** **U004076108**
1500 BASSETT AVE **N/A**
BRONX, NY 10461

Site 2 of 4 in cluster E

Relative: Higher

Actual: 23 ft.

UST:

Facility Id:	2-004480
Region:	STATE
DEC Region:	2
Site Status:	Active
Program Type:	PBS
Expiration Date:	2001/06/06
UTM X:	597481.31305
UTM Y:	4522792.5032599997

Affiliation Records:

Site Id:	43
Affiliation Type:	Owner
Company Name:	NYC DEPT. OF GENERAL SERVICES - R. E.
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	MUNI BUILDING, 20TH FLOOR NORTH
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10007
Country Code:	001
Phone:	(212) 669-4055
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	43
Affiliation Type:	Mail Contact
Company Name:	BRESSLER, AMERY & ROSS, P. C.
Contact Type:	Not reported
Contact Name:	WILLIAM S. HATFIELD, ESQ.
Address1:	325 COLUMBIA TURNPIKE
Address2:	3RD FLOOR
City:	FLORHAM PARK
State:	NJ
Zip Code:	07932
Country Code:	001
Phone:	(201) 514-1200
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	43
Affiliation Type:	On-Site Operator
Company Name:	BRUCKNER MANUFACTURING CORP.

BRUCKNER MANUFACTURING CORP. (Continued) **U004076108**

Contact Type:	Not reported
Contact Name:	BRUCKNER MFG. CORP.
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 863-8000
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	43
Affiliation Type:	Emergency Contact
Company Name:	NYC DEPT. OF GENERAL SERVICES - R. E.
Contact Type:	Not reported
Contact Name:	DAN FOLEY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 904-6263
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Equipment Records:

C03 - Pipe Location - Aboveground/Underground Combination
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
I00 - Overfill - None
I00 - Overfill - None
F00 - Pipe External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
G99 - Tank Secondary Containment - Other
B00 - Tank External Protection - None

BRUCKNER MANUFACTURING CORP. (Continued) **U004076108**

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
B00 - Tank External Protection - None
B00 - Tank External Protection - None
G99 - Tank Secondary Containment - Other
C02 - Pipe Location - Underground/On-ground
C02 - Pipe Location - Underground/On-ground
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
G03 - Tank Secondary Containment - Vault (w/o access)
G03 - Tank Secondary Containment - Vault (w/o access)
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
B00 - Tank External Protection - None
B00 - Tank External Protection - None
I00 - Overfill - None

BRUCKNER MANUFACTURING CORP. (Continued) **U004076108**

G03 - Tank Secondary Containment - Vault (w/o access)
G03 - Tank Secondary Containment - Vault (w/o access)
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None

Tank Info:

Site ID:	43
Tank Number:	0F2
Tank ID:	982
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1955-12-01 00:00:00
Capacity Gallons:	10000
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	6
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	43
Tank Number:	0F3
Tank ID:	983
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1955-12-01 00:00:00
Capacity Gallons:	10000
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	6
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	43
Tank Number:	0F4
Tank ID:	984
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1955-12-01 00:00:00
Capacity Gallons:	10000
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	6
Tank Type:	Steel/carbon steel

BRUCKNER MANUFACTURING CORP. (Continued) **U004076108**

Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	43
Tank Number:	GT-1
Tank ID:	51205
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1996-05-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	43
Tank Number:	GT-2
Tank ID:	51206
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1996-05-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	43
Tank Number:	OF-7
Tank ID:	51207
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1996-05-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel

BRUCKNER MANUFACTURING CORP. (Continued) **U004076108**

Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00

E14 SSW < 1/8 0.078 mi. 413 ft. **FARBERWARE** **RCRA-NonGen** **1000163222**
1500 BASSETT AVENUE **FINDS** **NYD050357912**
BRONX, NY 10461 **MANIFEST**

Site 3 of 4 in cluster E

Relative: Higher

Actual: 23 ft.

RCRA-NonGen:

Date form received by agency:	01/01/2007
Facility name:	FARBERWARE
Facility address:	1500 BASSETT AVE BRONX, NY 104612306
EPA ID:	NYD050357912
Mailing address:	BASSETT AVE BRONX, NY 10461
Contact:	Not reported
Contact address:	BASSETT AVE BRONX, NY 10461
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	HANSON INDUSTRIES
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	HANSON INDUSTRIES
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No

FARBERWARE (Continued) **1000163222**

Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: FARBERWARE
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: FARBERWARE
Classification: Not a generator, verified

Date form received by agency: 04/22/1992
Facility name: FARBERWARE
Classification: Large Quantity Generator

Date form received by agency: 06/16/1989
Facility name: FARBERWARE
Classification: Large Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 09/21/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110004357990

Environmental Interest/Information System
AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport,

FARBERWARE (Continued) **1000163222**

and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID:	NYD050357912
Country:	USA
Mailing Name:	FARBERWARE CORPORATION ATT:CLAUDETT
Mailing Contact:	FARBERWARE CORPORATION ATT:CLAUDETT
Mailing Address:	1500 BASSETT AVENUE
Mailing Address 2:	Not reported
Mailing City:	BRONX
Mailing State:	NY
Mailing Zip:	10461
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-863-8000

Document ID:	NJA9628393
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS869
Trans2 State ID:	NJDEPS869
Generator Ship Date:	890622
Trans1 Recv Date:	890622
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	890627
Part A Recv Date:	890705
Part B Recv Date:	890707
Generator EPA ID:	NYD050357912
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	F001 - UNKNOWN
Quantity:	01170
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	89

Document ID:	NJA1129474
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS869
Trans2 State ID:	NJDEPS869
Generator Ship Date:	910409
Trans1 Recv Date:	910409
Trans2 Recv Date:	910410
TSD Site Recv Date:	910411
Part A Recv Date:	910417
Part B Recv Date:	910424
Generator EPA ID:	NYD050357912
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	ILD051060408

FARBERWARE (Continued) **1000163222**

TSDF ID:	NJD002182897
Waste Code:	F005 - UNKNOWN
Quantity:	01544
Units:	P - Pounds
Number of Containers:	006
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	05062
Units:	P - Pounds
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	91

Document ID:	NJA1143000
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	910507
Trans1 Recv Date:	910507
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910509
Part A Recv Date:	910514
Part B Recv Date:	910528
Generator EPA ID:	NYD050357912
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	F005 - UNKNOWN
Quantity:	00458
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	91

E15
SSW
< 1/8
0.078 mi.
413 ft.

FARBERWARE PLANT **LTANKS** **S102233256**
1500 BASSETT AVE **HIST LTANKS** **N/A**
BRONX, NY

Site 4 of 4 in cluster E

Relative:
Higher

Actual:
23 ft.

LTANKS:

Site ID:	196050
Spill No:	9511706
Spill Date:	12/15/1995
Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	Not reported
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported

FARBERWARE PLANT (Continued) **S102233256**

Cleanup Meets Standard:	False
SWIS:	0301
Investigator:	ADZHITOM
Referred To:	NEEDS DELINEATION
Reported to Dept:	12/15/1995
CID:	323
Water Affected:	Not reported
Spill Notifier:	Affected Persons
Last Inspection:	Not reported
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	True
Remediation Phase:	1
Date Entered In Computer:	12/15/1995
Spill Record Last Update:	5/1/2009
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller County:	999
Spiller Contact:	ERIC NEMETH
Spiller Phone:	(201) 514-1200
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	163333
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL" 7/11/03 TJD Dave Bachman (ECOL Services) contacted duty desk this morning requesting information regarding tank status. He represents new owner (Modell's Sporting Goods). DeMeo provided a verbal summary of tank status. Mr. Bachman further states that sampling was performed at some point which revealed gasoline & solvent contamination. Mr. Bachman was unsure what if any investigation or remedial work will be done at property. 4/12/04-Vought-Spill transferred from Tibbe to Rommel as per Rommel. 8/4/04 Spoke to Kevin O'Connor 516-236-7468 of Action Environmental (contractor). Gas Tanks removed many years ago. Currently excavating contaminated soil. wt at 4ft below surface. Found contamination below water table. Excavation 30 by 40 to a depth of 10-11 feet to a green silty material. No odor. Took endpoint samples at that point. Close to 300 yards of contaminated soil stockpiled. Working for (Modells) M&M Service Corp. Curt Schmidt of Flemming Lee Shu 212-675-3225 consultant for this site. Rommel 10/5/04 Spoke to Curt Schmit Flemming Lee Shu 917-575-1549 Expanding bldg to the south, gas contamination to the north, low levels of dissolved. Product found in excavation - fingerprint analysis - Kerosene. Required well in location of free kerosene. Excavated, installed more wells, to submit report in 1 month. Alex Zhitomirsky received the report from Koon Tang on 4/15/2005. AZ called Fleming Lee Shue and left a message on

FARBERWARE PLANT (Continued) **S102233256**

4/15/
2005 4/22/2005 I spoke with Curt Schmidt 212-675-3225. DEC will re
view their report and will give them furter instructions. Some
groundwater contamination was discovered. They recommended
monitoring. Alex
Zhitomirsky.
6/8/2005 I spoke with Curt Schmidt. DEC is reviewing the report.A
Z 6/10/2005 Reviewed Summary Report (Soil Remediation and Additiona
l Remedial Investigation) submittted by FLS. Spoke with Curt Schmidt
and requested to submit plume maps for groundwater and soil. Scaled
groundwater and soil contamination plume maps should include North
arrow; boring/well locations and numbers; groundwater flow direction;
concentrations of MTBE, total VOCs and total SVOCs at each
boring/well location; free product thickness at each boring/well
location and have locations of USTs.
AZ 6/14/2005 A letter was sent to FSU. In the letter AZ requested m
ore onfo on the site.
AZ 10/24/2005 Conversation with Dug Rice Vice President(212-312-375
0) NYC EDC. He stated that gw is improving but not at a great rate
according to Fleming Lee Shue. They recommended fixing the wells. I
will review the report which was received on October 11, 2005, and
reply in writing to the responsible party.
AZ 11/15/2005 Conversation with Jason Rankin current PM (212-675-32
25)- Fleming Lee Shue. Curt Schmidt is no longer with the firm. The
report is under review. They proposed additional wells and
monitoring.
AZ 11/17/2005 Conversation with Jason Rankin (FLS). We agreed to re
place wells MW-5, MW-4 and MW-7. They will continue sampling MW-9 for
one more round of sampling. FLS will delineate the plume in the south
eastern part of the site. 3 new wells will be installed. All wells
will be sampled quarterly.I reviewed the Summary Report dated October
6, 2005. The report states that extensive remediation, including
removal of underground tanks and impacted soils, has been conducted.
Elevated levels of gasoline related compound and chlorinated solvents
were found in groundwater at fairly stable conditions. FLS
recommended continued groundwater monitoring, replacement of several
wells and installation of one additional well. The Department
concurred with these recommendations. However, FLS should delineate
the groundwater plume in the south eastern area of the site by
installing three new wells. If contamination is encountered by these
downgradient wells, additional wells should be installed to fully
delineate the plume. All wells should be sampled quarterly and
reports submitted to DEC. Well MW-9 should be sampled for one more
quarterly event. AZ
1/20/2006 Plume has to be delineated. New wells have to be install
ed.
AZ 3/14/2006 Christopher De Carlo (Fleming Lee Shue)phone: 212-675-
3225. They monitored gw within last two quarters they will submit a
monitoring report for the last two quarters. Also, they will three
wells as per DEC's request
soon.
6/8/2006 I contacted Christopher De Carlo(Fleming Lee Shue)phone:
212-675-3225. They could not do the work because the firm lost the
manpower. The are planning to do it early next month.
AZ 6/20/2006 Reviewed monitoring report for the 1st quarter of 2006
received on April 27, 2006. Benzene and isopropyl benzene were
detected above the TOGS values. Chlorinated compounds were detected

FARBERWARE PLANT (Continued) **S102233256**

above the TOGS values. This round of monitoring showed increase in chlorinated compounds concetration levels. 3 new wells should be installed (MW-5A, MW-11 and MW-12) and MW-7 should be located as per DEC request.
AZ 8/10/2006 Conversation with Christopher DeCarlo (FLS 212-675-322 5). 3 wells were installed as per DEC request. Damaged wells were repaired. Report will be submitted. Chlorinated compounds concentration increased in a downgradient well MW-8 (417 ppb total VOC). Main component is vinyl chloride (237 ppb). They trying to determine a trend in chlorinated compunds concentrations.
AZ 10/24/2006 Received and reviewed report from FLS dated Ocober 20 06. The report states that chlorinated compounds were detected on-site wells above gw standards. Total VOC concentrations showed a slight increase in MW-8 and MW-10 as did concentrations of 1,1,1 trichlorethane and its break down products. Total VOC continue to increase in MW-8. Chlorinated compounds were also detected in both upgradient wells MW-6 and MW-7 during July 2006 sampling event. Proposed abandonment of MW-9, Survey of potential off site sources, quarterly report for August - October 2006.
AZ 11/27/2006 Contacted Mohamed Ahmed @ FLS. They installed a few n ew wells but they were destroyed during construction. They want to postpone new wells installation until the construction is over. I agreed but requested that they notify DEC when the construction is over.
AZ 3-12-2007 Received e-mail from Mohamed Ahmed, Fleming-Lee Shue, 212-675-3225 ext.308,mobile 917-612-6018: As I indicated in our telephone conversation on March 7, 2007, construction activities will be completed in September, 2007 on the above-referenced site. Therefore, Fleming Lee Shue will reinstall any damage monitoring wells and resume the quarterly sampling after the completion of the on-site construction. AZ
8-12-2008 Left a message for Mohamed Ahmed, Fleming-Lee Shue, 212-675-3225 ext.308 inquiring about the site status.
AZ 8-15-2008 An e-mail from Mohamed Ahmed, Fleming-Lee Shue, Inc.: "Groundwater samples were collected and analytical results received. Next week, a quarterly progress report will
be sent to the NYSDEC to summarize the sampling results. " AZ 9-5 -2008 I was contacted by Doug Rice (NYC Economic Development Corporation #212-312-3750) they did a financing for them through NYC Industrial Development Agency. He inquired about the site status.
AZ 10-14-2008 An e-mail was sent to FLS (Mohammed Ahmed):"I have re viewed Remedial Progress Report for above site dated September 3, 2008. Due to the construction activities some monitoring wells were destroyed and the monitoring was suspended. Two replacement wells were re-installed and monitoring activities resumed in March 2008. Several of the groundwater monitoring wells sampled in May 2008 contained concentrations of petroleum VOCs and chlorinated solvents in exceedance of NYSDEC Guidance Values. FLS recommends that chlorinated solvent analyses be discontinued due to the suspected off-site source. This recommendation is rejected. Submitted site history does not exclude the possibility that the chlorinated solvents were used on site. However, groundwater monitoring, sampling and reporting could be performed semi-annually (twice a year). Also, SVOCs analyses could be discontinued due to the absence of SVOCs in groundwater."
AZ 4-15-2009 A meeting with John Urda, J. Krimgold, Mohamed Ahmed (FLS), Joe Carey (Modell's), Arny Fleming (FLS), John Scagnelli lawyer

FARBERWARE PLANT (Continued) **S102233256**

for Modell's (Scarinci and Hollenbeck)took place on April 15, 2009. V. Brevdo was invited but could not attend. FLS request for the site closure due to the possible off site source of the chlorinated solvents was discussed. A warehouse at this site is currently occupied by Modell's for storage. The site formerly had petroleum USTs. Investigation performed in 1995 and 1996 found petroleum-impacted soil and groundwater near the fuel oil and gasoline USTs. Groundwater sample data indicated the presence of chlorinated solvents at the site. The petroleum USTs were removed in 1996 and 2004, and 1255 tons of petroleum-impacted soil was removed. Two replacement wells were installed at DEC's request in 2008. Relatively low levels of petroleum compounds were detected, but several wells contained concentrations of chlorinated solvents above State standards. Modell's consultants argued that the chlorinated solvents are coming from an off-site source, and they requested spill closure. DEC stated that the existence of an off-site contaminant source is not supported by the current data. If data showing the location of an off-site source and its migration patterns cannot be presented, the RP will have to remediate the chlorinated solvent contamination at the site. DEC stated that the spill can not be closed at this time. FLS will perform "repackaging" of the existing materials, perform reconnaissance of the site, check for possible off site sources, submit summary and a drawing showing previously performed soil excavation (which addressed petroleum contamination). Also they will consider installing more borings/wells inside the warehouse and off site. They should submit plans maps/tables showing contaminant concentrations and gw gradient. AZ

Remarks: WHILE EXCAVATING TANKS, 1 OIL AND 1 GAS, CONTAMINATED GROUND HAS BEEN FOUND. FURTHER INVESTIGATION IS BEING DONE.

Material:

Site ID:	196050
Operable Unit ID:	1025914
Operable Unit:	01
Material ID:	359033
Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False
Site ID:	196050
Operable Unit ID:	1025914
Operable Unit:	01
Material ID:	359034
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

FARBERWARE PLANT (Continued) **S102233256**

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

HIST LTANKS:

Region of Spill:	2
Spill Number:	9511706
Spill Date:	12/15/1995
Spill Time:	15:54
Spill Cause:	Tank Failure
Resource Affectd:	Groundwater
Water Affected:	Not reported
Spill Source:	Other Commercial/Industrial
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Investigator:	TIBBE
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	12/15/95
Reported to Department Time:	15:51
SWIS:	60
Spiller Contact:	ERIC NEMETH
Spiller Phone:	(201) 514-1200
Spiller Extention:	Not reported
Spiller Name:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spiller Cleanup Date:	/ /
Facility Contact:	Not reported
Facility Phone:	Not reported
Facility Extention:	Not reported
Spill Notifier:	Affected Persons
PBS Number:	Not reported
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	False

FARBERWARE PLANT (Continued) **S102233256**

Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 12/15/95
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 01/17/96
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: GASOLINE
Class Type: GASOLINE
Times Material Entry In File: 21329
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: Not reported
Spill Cause: WHILE EXCAVATING TANKS, 1 OIL AND 1 GAS, CONTAMINATED GROUND HAS BEEN FOUND. FURTHER INVESTIGATION IS BEING DONE.

16
WSW
< 1/8
0.078 mi.
413 ft.

FRANKS EXPRESS OIL CHANGE, INC. **AST** **A100294081**
2008 EASTCHESTER ROAD **N/A**
BRONX, NY 10461

Relative:
Higher

Actual:
28 ft.

AST:
Region: STATE
DEC Region: 2
Site Status: Active
Facility Id: 2-609974
Program Type: PBS
UTM X: 597503.95915000001
UTM Y: 4523112.6319000004
Expiration Date: 2010/06/29

FRANKS EXPRESS OIL CHANGE, INC. (Continued) **A100294081**

Affiliation Records:

Site Id:	348455
Affiliation Type:	Owner
Company Name:	FRANCIS X. MEDICI
Contact Type:	OWNER
Contact Name:	FRANCIS X. MEDICI
Address1:	63 MT. HOPE RD.
Address2:	Not reported
City:	MAHOPAC
State:	NY
Zip Code:	10541
Country Code:	001
Phone:	(845) 628-5994
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	6/29/2005

Site Id:	348455
Affiliation Type:	Mail Contact
Company Name:	FRANKS EXPRESS OIL CHANGE, INC.
Contact Type:	Not reported
Contact Name:	FRANCIS X. MEDICI
Address1:	2008 EASTCHESTER ROAD
Address2:	Not reported
City:	BRONX
State:	NY
Zip Code:	10461
Country Code:	001
Phone:	(718) 518-1700
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	6/29/2005

Site Id:	348455
Affiliation Type:	On-Site Operator
Company Name:	FRANKS EXPRESS OIL CHANGE, INC.
Contact Type:	Not reported
Contact Name:	FRANCIS X. MEDICI
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 518-1700
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	6/29/2005

Site Id:	348455
Affiliation Type:	Emergency Contact

FRANKS EXPRESS OIL CHANGE, INC. (Continued) **A100294081**

Company Name:	FRANCIS X. MEDICI
Contact Type:	Not reported
Contact Name:	FRANCIS X. MEDICI
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 518-1700
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	6/29/2005

Equipment Records:

D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
B01 - Tank External Protection - Painted/Asphalt Coating
C01 - Pipe Location - Aboveground

Tank Info:

Tank Number:	001
Tank Id:	207037
Tank Location:	2
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Tank Model:	201
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	2005-06-29 00:00:00

F17 **CROWN TOWING SERVICE INC** **AST** **A100355678**
NNE **1615 MCDONALD STREET** **N/A**
< 1/8 **BRONX, NY 10461**
0.085 mi.
450 ft. **Site 1 of 3 in cluster F**

Relative:
Lower

Actual:
20 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-611510
Program Type:	PBS
UTM X:	Not reported
UTM Y:	Not reported
Expiration Date:	2015/11/01

Affiliation Records:

CROWN TOWING SERVICE INC (Continued) **A100355678**

Site Id:	445255
Affiliation Type:	Owner
Company Name:	JOSEPH TERICO
Contact Type:	PRES
Contact Name:	JOSEPH TERICO
Address1:	1615 MCDONALD STREET
Address2:	Not reported
City:	BRONX
State:	NY
Zip Code:	10461
Country Code:	001
Phone:	(718) 823-1313
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	2/14/2011

Site Id:	445255
Affiliation Type:	Mail Contact
Company Name:	CROWN TOWING SERVICE INC
Contact Type:	Not reported
Contact Name:	JOSEPH TERICO
Address1:	1615 MCDONALD STREET
Address2:	Not reported
City:	BRONX
State:	NY
Zip Code:	10461
Country Code:	001
Phone:	(718) 823-1313
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	2/14/2011

Site Id:	445255
Affiliation Type:	On-Site Operator
Company Name:	CROWN TOWING SERVICE INC
Contact Type:	Not reported
Contact Name:	JOSEPH TERICO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 823-1313
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	2/14/2011

Site Id:	445255
Affiliation Type:	Emergency Contact
Company Name:	JOSEPH TERICO

CROWN TOWING SERVICE INC (Continued) **A100355678**

Contact Type:	Not reported
Contact Name:	JOSEPH TERICO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 877-1341
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	2/14/2011

Equipment Records:

G10 - Tank Secondary Containment - Impervious Underlayment
J02 - Dispenser - Suction
K99 - Spill Prevention - Other
A01 - Tank Internal Protection - Epoxy Liner
D00 - Pipe Type - No Piping
B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
L00 - Piping Leak Detection - None
E00 - Piping Secondary Containment - None

Tank Info:

Tank Number:	001
Tank Id:	238078
Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	2010-11-01 00:00:00
Capacity Gallons:	275
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MSBAPTIS
Last Modified:	2011-02-14 00:00:00

F18 NNE < 1/8 0.101 mi. 533 ft. | **MIRANDO AUTO BODY 1607 STILLWELL AVE BRONX, NY 10461** | **RCRA-NonGen FINDS MANIFEST** | **1004759609 NYR000015479**

Site 2 of 3 in cluster F

Relative: Lower

Actual: 20 ft.

RCRA-NonGen:

Date form received by agency:	01/01/2007
Facility name:	MIRANDO AUTO BODY
Facility address:	1607 STILLWELL AVE BRONX, NY 10461
EPA ID:	NYR000015479
Mailing address:	STILLWELL AVE BRONX, NY 10461
Contact:	ROBERT MIRANDO
Contact address:	STILLWELL AVE BRONX, NY 10461
Contact country:	US
Contact telephone:	(718) 828-2213
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	ROBERT MIRANDO
Owner/operator address:	1607 STILLWELL AVE BRONX, NY 10461
Owner/operator country:	US
Owner/operator telephone:	(718) 828-2213
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	ROBERT MIRANDO
Owner/operator address:	1607 STILLWELL AVE BRONX, NY 10461
Owner/operator country:	US
Owner/operator telephone:	(718) 828-2213
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No

MIRANDO AUTO BODY (Continued) **1004759609**

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: MIRANDO AUTO BODY
Classification: Not a generator, verified

Date form received by agency: 10/26/1995
Facility name: MIRANDO AUTO BODY
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004519824

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYR000015479
Country: USA
Mailing Name: MIRANDO AUTO BODY
Mailing Contact: ROBERT MIRANDO
Mailing Address: 1607 STILLWELL AVENUE
Mailing Address 2: Not reported
Mailing City: BRONX
Mailing State: NY
Mailing Zip: 10461
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 718-828-2213

Document ID: CTF0484793
Manifest Status: Completed copy
Trans1 State ID: P207055IL
Trans2 State ID: Not reported
Generator Ship Date: 960822
Trans1 Recv Date: 960822
Trans2 Recv Date: Not reported
TSD Site Recv Date: 960823
Part A Recv Date: 960909
Part B Recv Date: 960912
Generator EPA ID: NYR000015479
Trans1 EPA ID: NJD080631369
Trans2 EPA ID: Not reported
TSDF ID: CTD072138969

MIRANDO AUTO BODY (Continued) **1004759609**

Waste Code:	F005 - UNKNOWN
Quantity:	00808
Units:	P - Pounds
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	96

F19
NNE
< 1/8
0.101 mi.
533 ft.

Relative:
Lower

Actual:
20 ft.

NIRANDO PRECISION AUTO BODY **MANIFEST** **S109787516**
1607 STILLWELL AVE **N/A**
BRONX, NY 10461

Site 3 of 3 in cluster F

CT MANIFEST:

Waste:

Manifest No:	CTF0484793
Waste Occurence:	1
UNNA:	1993
Hazard Class:	3
US Dot Description:	FLAMMABLE LIQUID N.O.S.
No of Containers:	001
Container Type:	TT
Quantity:	110
Weight/Volume:	G
Additional Description:	Not reported
Handling Code:	Not reported
Date Record Was Last Modified:	4/26/2004
DEO Who Last Modified Record:	IG

Waste CD:

Manifest No:	Not reported
Waste Occurence:	Not reported
EPA Waste Code:	Not reported
Recycled Waste?:	Not reported
Date Record Was Last Modified:	Not reported
DEO Who Last Modified Record:	Not reported

Detail:

Year:	1996
Manifest ID:	CTF0484793
TSDF EPA ID:	CTD072138969
TSDF Name:	ENVIRONMENTAL WASTE RESOURCES
TSDF Address:	130 FREIGHT ST. WATERBURY
TSDF City,St,Zip:	CT 06725
TSDF Country:	USA
TSDF Telephone:	Not reported
Transport Date:	8/22/1996
Transporter EPA ID:	NJD080631369
Transporter Name:	ONYX ENVIRONMENTAL SERVICE LLC
Transporter Country:	USA
Transporter Phone:	Not reported
Trans 2 Date:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

NIRANDO PRECISION AUTO BODY (Continued) **S109787516**

Trans 2 Address:	Not reported
Trans 2 City,St,Zip:	CT
Trans 2 Country:	USA
Trans 2 Phone:	Not reported
EPA ID:	NYR000015479
Generator Phone:	Not reported
Generator Mailing Addr:	1607 STILLWELL AVE.
Generator Mailing Town:	BRONX
Generator Mailing State:	NY
Generator Mailing Zip:	Not reported
Generator Mailing Country:	USA
Special Handling:	Not reported
Discrepancies:	Not reported
Date Shipped:	8/22/1996
Date Received:	8/23/1996
Last modified date:	4/26/2004
Last modified by:	IG
Comments:	Not reported

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20 NW < 1/8 0.119 mi. 627 ft. | **JACOBI HOSPITAL EASTCHESTER RD BRONX, NY** | **LTANKS NY Spills NY Hist Spills** | **S102148333 N/A**

Relative: Higher

Actual: 30 ft.

LTANKS:

Site ID:	160094
Spill No:	9403217
Spill Date:	6/6/1994
Spill Cause:	Tank Failure
Spill Source:	Non Major Facility > 1,100 gal
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	4/5/2006
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	0301
Investigator:	qxabidi
Referred To:	Not reported
Reported to Dept:	6/6/1994
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	7/26/1994
Spill Record Last Update:	4/5/2006
Spiller Name:	Not reported
Spiller Company:	BRONX JACOBI HOSPITAL
Spiller Address:	PELHAM PWY-EASTCHESTER RD
Spiller City,St,Zip:	BRONX, NY
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported

JACOBI HOSPITAL (Continued) **S102148333**

Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 272668
DEC Memo: 10/10/95: This is additional information about material spilled from the translation of the old spill file: CONTAMINATED SOIL.
Prior to Sept, 2004 data translation this spill Lead_DEC Field was " ROMMEL" This spill was transferred from DEC Sigona to Rommel on 2/2/0 4 to I. Islam on 3/3/05.
3/4/05- The site is under remediation by O'Brien-Kreitzberg. - II 4 /26/05- Reviewed the quarterly monitoring report (Oct.-Dec/04). The 4 remaining groundwater monitoring wells are under semiannual sampling and exhibited minor exceedances in MTBE only in the Nov./04 sampling event. 2 other groundwater monitoring wells are already removed from monitoring, being in compliance for two consecutive events of sampling. No Free Product was observed in the monitoring wells. Semiannual groundwater sampling to continue. - II.
8/8/05- Reviewed the monitoring report submitted by URS dated June 28/05 and subsequent Spill Closure Request dated July 20/05. Even though the report contains semi-annual data and analysis, it's called Quartely Report by URS instead of semi-annual report. GW sampling data for three of the four monitoring wells have been furnished for the latest event on the grounds that one well could not be accessible. Current contamination plume has been drawn excluding this non-sampled well (MW-3)area without any supporting data. URS stated in the report to continue GW monitoring. In less than one month of this report, URS petitioned for Spill Closure without any new supporting data. The Dept. disapproves this request and urges that URS continue moniring all the four wells and submit data/report semi-annually for Dept's review.-
II 04/05/06: This spill transferred from I. Islam to Q. Abidi. Rev iewed the Quarterly Groundwater Monitoring Report through 4th Quarter 2005 dated Nov. 30, 2005. Groundwater samples were collected from 4 wells in October 2005. The analytical results showed no compounds exceeded the NYSDEC groundwater quality criteria in any of these wells. URS requested to close the spill.After confirming with my supervisor J. Kolleeny, I approved closure of the spill and issued a No Further Action letter on April 5, 2006. - QA
Remarks: Plan to remove and replace the leaking tank

Material:
Site ID: 160094
Operable Unit ID: 997008
Operable Unit: 01
Material ID: 383391
Material Code: 0008
Material Name: Diesel
Case No.: Not reported
Material FA: Petroleum
Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

JACOBI HOSPITAL (Continued) **S102148333**

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

NY Spills:

Site ID:	160093
Facility Addr2:	Not reported
Facility ID:	0208629
Spill Number:	0208629
Facility Type:	ER
SWIS:	0301
Investigator:	KMFOLEY
Referred To:	Not reported
Spill Date:	11/20/2002
Reported to Dept:	11/20/2002
CID:	211
Spill Cause:	Other
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	11/21/2002
Remediation Phase:	0
Date Entered In Computer:	11/20/2002
Spill Record Last Update:	11/26/2002
Spiller Name:	Not reported
Spiller Company:	CON ED
Spiller Address:	4 IRVING PLACE
Spiller City,St,Zip:	NEW YORK, NY 10003-
Spiller Company:	001
Contact Name:	LARRY COSTA
Contact Phone:	(212) 580-6763
DEC Region:	2
DER Facility ID:	135223
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "FOLEY" Info from Con Ed e2mis #146086: 11/20/02 5quarts transmission fluid leaked from step van while being towed. On hospital grounds. Leaked onto soil. Cleanup was contained using absorbant pads, speedy-dry and rags, Visually contaminated soil was removed using shovels to 6" below visually impacted soil. Soil was bagged and approx 20lbs non-hazardous oily debris was generated.

JACOBI HOSPITAL (Continued) **S102148333**

Vehicle was towed to Van Nest CFS Garage for evaluation and repair.
Remarks: TRUCK GOT STUCK IN MUD AND WHILE BEING TOWED OUT OIL PAN CAME IN CONTACT WITH GROUND CAUSING SPILL - CLEAN UP IN PROGRESS - CON ED 146086

Material:
Site ID: 160093
Operable Unit ID: 860063
Operable Unit: 01
Material ID: 515627
Material Code: 0015
Material Name: Motor Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 1
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:
Site ID: Not reported
Spill Tank Test: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate: Not reported
Gross Fail: Not reported
Modified By: Not reported
Last Modified: Not reported
Test Method: Not reported

NY Hist Spills:
Region of Spill: 2
Spill Number: 9403217
Investigator: SIGONA
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 06/06/1994 11:00
Reported to Dept Date/Time: 06/06/94 12:04
SWIS: 60
Spiller Name: BRONX JACOBI HOSPITAL
Spiller Contact: Not reported
Spiller Phone: (212) 430-5770
Spiller Address: PELHAM PWY-EASTCHESTER RD
Spiller City,St,Zip: BRONX, NY
Spill Cause: Unknown
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 01
Spill Notifier: Other
PBS Number: Not reported

JACOBI HOSPITAL (Continued) **S102148333**

Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 07/26/94
Date Spill Entered In Computer Data File: Not reported
Update Date: 08/15/95
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: -1
Unkonwn Quantity Spilled: False
Units: Not reported
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: DIESEL
Class Type: DIESEL
Times Material Entry In File: 10625
CAS Number: Not reported
Last Date: 19940728
DEC Remarks: 10/10/95: This is additional information about material spilled from the translation of the old spill file: CONTAMINATED SOIL.
Remark: INSTALLING A TANK-DISSUSION- THEN REMOVAL TO AN APPROPRIATE SITE.

G21 **STILLWELL COLLISION** **RCRA-CESQG** **1004761011**
NNE **1617 STILLWELL AVE** **FINDS** **NYR000069898**
< 1/8 **BRONX, NY 10461** **MANIFEST**
0.119 mi.
630 ft. **Site 1 of 3 in cluster G**

Relative:
Lower

Actual:
19 ft.

RCRA-CESQG:
Date form received by agency: 01/01/2007
Facility name: STILLWELL COLLISION
Facility address: 1617 STILLWELL AVE
BRONX, NY 10461
EPA ID: NYR000069898
Mailing address: STILLWELL AVE
BRONX, NY 10461
Contact: PAT HENNESEY
Contact address: STILLWELL AVE
BRONX, NY 10461

STILLWELL COLLISION (Continued) **1004761011**

Contact country:	US
Contact telephone:	(718) 931-8425
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	STILLWELL COLLISION
Owner/operator address:	1617 STILLWELL AVE BRONX, NY 10461
Owner/operator country:	US
Owner/operator telephone:	(718) 931-8425
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	STILLWELL COLLISION
Owner/operator address:	1617 STILLWELL AVE BRONX, NY 10461
Owner/operator country:	US
Owner/operator telephone:	(718) 931-8425
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No

STILLWELL COLLISION (Continued) **1004761011**

Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: STILLWELL COLLISION
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 04/12/1999
Facility name: STILLWELL COLLISION
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110001609965

Environmental Interest/Information System
AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

NY MANIFEST:
EPA ID: NYR000069898
Country: USA
Mailing Name: STILWELL COLLISION
Mailing Contact: CAMILLE ?
Mailing Address: 1617 STILLWELL AVE
Mailing Address 2: Not reported
Mailing City: BRONX
Mailing State: NY
Mailing Zip: 10461
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 718-931-8425

STILLWELL COLLISION (Continued) **1004761011**

Document ID:	MAM1181590
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	07/13/2000
Trans1 Recv Date:	07/13/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/17/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000069898
Trans1 EPA ID:	MAD053452637
Trans2 EPA ID:	Not reported
TSDF ID:	P298709IL
Waste Code:	F003 - UNKNOWN
Quantity:	00385
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2000

Document ID:	CTF0899744
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	12/22/2003
Trans1 Recv Date:	12/22/2003
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	12/29/2003
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000069898
Trans1 EPA ID:	CTD021816889
Trans2 EPA ID:	Not reported
TSDF ID:	P298709IL
Waste Code:	F003 - UNKNOWN
Quantity:	00145
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2003

G22 **1617 STILWELL AVE** **NY Spills** **S103829105**
NNE **1617 STILLWELL AVE** **NY Hist Spills** **N/A**
< 1/8 **BRONX, NY**
0.119 mi.
630 ft. **Site 2 of 3 in cluster G**

Relative:
Lower

Actual:
19 ft.

NY Spills:

Site ID:	266624
Facility Addr2:	Not reported
Facility ID:	9814963
Spill Number:	9814963

1617 STILWELL AVE (Continued) **S103829105**

Facility Type:	ER
SWIS:	0301
Investigator:	SIGONA
Referred To:	Not reported
Spill Date:	3/1/1999
Reported to Dept:	3/17/1999
CID:	382
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Citizen
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	3/17/1999
Remediation Phase:	0
Date Entered In Computer:	3/17/1999
Spill Record Last Update:	3/17/1999
Spiller Name:	UNKNOWN
Spiller Company:	1617 STILLWELL AVE
Spiller Address:	1617 STILLWELL AVE
Spiller City,St,Zip:	BRONX, NY
Spiller Company:	001
Contact Name:	UNKNOWN
Contact Phone:	Not reported
DEC Region:	2
DER Facility ID:	217182
DEC Memo:	Not reported
Remarks:	CALLER STATES THAT THE FACTORY AT ABOVE LOCATION IS PAINTING CARS AND THAT FANS IN THE FACTORY ARE BLOWING THE PAINT AND OTHER DEBRIS INTO THE AIR. DEC (SIGONA) referred to DEC's Air Resources Unit. Mr. Sam Lieblich, Air Engineer will assign this case to inspector on 3/17/99.

Material:

Site ID:	266624
Operable Unit ID:	1072831
Operable Unit:	01
Material ID:	311633
Material Code:	0064A
Material Name:	UNKNOWN MATERIAL
Case No.:	Not reported
Material FA:	Other
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported

1617 STILWELL AVE (Continued) **S103829105**

Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

NY Hist Spills:

Region of Spill:	2
Spill Number:	9814963
Investigator:	SIGONA
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	03/01/1999 12:00
Reported to Dept Date/Time:	03/17/99 12:26
SWIS:	60
Spiller Name:	1617 STILLWELL AVE
Spiller Contact:	UNKNOWN
Spiller Phone:	Not reported
Spiller Contact:	UNKNOWN
Spiller Phone:	( ) -
Spiller Address:	1617 STILLWELL AVE
Spiller City,St,Zip:	BROX, NY
Spill Cause:	Unknown
Reported to Dept:	Air
Water Affected:	Not reported
Spill Source:	01
Spill Notifier:	Citizen
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	03/17/99
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	03/17/99
Date Spill Entered In Computer Data File:	Not reported
Update Date:	03/17/99
Is Updated:	False

Tank:

PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported

1617 STILWELL AVE (Continued) **S103829105**

Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Raw Sewage
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: UNKNOWN MATERIAL
Class Type: UNKNOWN MATERIAL
Times Material Entry In File: 9140
CAS Number: Not reported
Last Date: 19941109
DEC Remarks: Not reported
Remark: CALLER STATES THAT THE FACTORY AT ABOVE LOCATION IS PAINTING CARS AND THAT FANS IN THE FACTORY ARE BLOWING THE PAINT AND OTHER DEBRIS INTO THE AIR. DEC SIGONA) referred to DEC s Air Resources Unit. Mr. Sam Lieblich, Air Engineer will assign this case to inspector on 3/17/99.

23
SW
1/8-1/4
0.130 mi.
689 ft.

J & J CUSTOM COLLISION
1960 EASTCHESTER RD
BRONX, NY 10461

RCRA-CESQG **1004760654**
FINDS **NYR000054494**
MANIFEST

Relative:
Higher

Actual:
22 ft.

RCRA-CESQG:
Date form received by agency: 01/01/2007
Facility name: J & J CUSTOM COLLISION
Facility address: 1960 EASTCHESTER RD
BRONX, NY 10461
EPA ID: NYR000054494
Mailing address: EASTCHESTER RD
BRONX, NY 10461
Contact: JOHN DESIMONE
Contact address: EASTCHESTER RD
BRONX, NY 10461
Contact country: US
Contact telephone: (718) 792-5100
Contact email: Not reported
EPA Region: 02
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

J & J CUSTOM COLLISION (Continued) **1004760654**

Owner/Operator Summary:

Owner/operator name:	J & J CUSTOM COLLISION
Owner/operator address:	1960 EASTCHESTER RD BRONX, NY 10461
Owner/operator country:	US
Owner/operator telephone:	(718) 792-5100
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	J & J CUSTOM COLLISION
Owner/operator address:	1960 EASTCHESTER RD BRONX, NY 10461
Owner/operator country:	US
Owner/operator telephone:	(718) 792-5100
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	01/01/2006
Facility name:	J & J CUSTOM COLLISION
Classification:	Conditionally Exempt Small Quantity Generator

Date form received by agency:	05/06/1998
Facility name:	J & J CUSTOM COLLISION
Classification:	Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004542969

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of

J & J CUSTOM COLLISION (Continued) **1004760654**

events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID:	NYR000054494
Country:	USA
Mailing Name:	J & J CUSTOM COLLISION
Mailing Contact:	JOHN DESIMONE
Mailing Address:	1960 E CHESTER RD
Mailing Address 2:	Not reported
Mailing City:	BRONX
Mailing State:	NY
Mailing Zip:	10461
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-792-5100

Document ID:	NYH0121869
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	10/02/2000
Trans1 Recv Date:	10/02/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/02/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000054494
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	PX3640
Waste Code:	F003 - UNKNOWN
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2000

Document ID:	NYH0090144
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	07/08/1999
Trans1 Recv Date:	07/08/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/08/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000054494
Trans1 EPA ID:	NYD082785429

J & J CUSTOM COLLISION (Continued) **1004760654**

Trans2 EPA ID:	Not reported
TSDF ID:	PX3640
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	99

Document ID:	NYH0416907
Manifest Status:	Not reported
Trans1 State ID:	47866PA
Trans2 State ID:	Not reported
Generator Ship Date:	01/27/2004
Trans1 Recv Date:	01/27/2004
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/27/2004
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000054494
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785
Waste Code:	F003 - UNKNOWN
Quantity:	00150
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2004

Document ID:	NYH0494919
Manifest Status:	Not reported
Trans1 State ID:	47866PA
Trans2 State ID:	Not reported
Generator Ship Date:	09/28/2004
Trans1 Recv Date:	09/28/2004
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/28/2004
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000054494
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785
Waste Code:	F003 - UNKNOWN
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00

J & J CUSTOM COLLISION (Continued) **1004760654**

Year: 2004

Document ID: NYH0280602
Manifest Status: Not reported
Trans1 State ID: NYD082785429
Trans2 State ID: Not reported
Generator Ship Date: 07/30/2002
Trans1 Recv Date: 07/30/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 07/30/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000054494
Trans1 EPA ID: NYD082785429
Trans2 EPA ID: Not reported
TSDF ID: 6058PB
Waste Code: F003 - UNKNOWN
Quantity: 00110
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 002
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 00.90
Year: 2002

Document ID: NYH0058374
Manifest Status: Not reported
Trans1 State ID: NYD082785429
Trans2 State ID: Not reported
Generator Ship Date: 02/29/2000
Trans1 Recv Date: 02/29/2000
Trans2 Recv Date: Not reported
TSD Site Recv Date: 02/29/2000
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000054494
Trans1 EPA ID: NYD082785429
Trans2 EPA ID: Not reported
TSDF ID: PW8913
Waste Code: F005 - UNKNOWN
Quantity: 00055
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 2000

G24 NNE 1/8-1/4 0.131 mi. 691 ft. | **CHIEF PROPERTIES, LLC**
1616 STILLWELL AVENUE
BRONX, NY 10461

Site 3 of 3 in cluster G

AST | **A100343936**
N/A

Relative: Lower

Actual: 19 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-611141
Program Type:	PBS
UTM X:	597715.13327999995
UTM Y:	4523355.2725400003
Expiration Date:	2014/08/01

Affiliation Records:

Site Id:	417405
Affiliation Type:	Owner
Company Name:	CHIEF PROPERTIES, LLC
Contact Type:	PRESIDENT
Contact Name:	LORINDA LOGAN
Address1:	1616 STILLWELL AVENUE
Address2:	Not reported
City:	BRONX
State:	NY
Zip Code:	10461
Country Code:	001
Phone:	(718) 738-7373
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	BKFALVEY
Date Last Modified:	9/30/2011

Site Id:	417405
Affiliation Type:	Mail Contact
Company Name:	LOGAN BUS CO., INC.
Contact Type:	Not reported
Contact Name:	PAT SGAMBATI
Address1:	97-14 ATLANTIC AVENUE
Address2:	Not reported
City:	OZONE PARK
State:	NY
Zip Code:	11416
Country Code:	001
Phone:	(718) 738-7373
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	8/3/2009

Site Id:	417405
Affiliation Type:	On-Site Operator
Company Name:	CHIEF PROPERTIES, LLC
Contact Type:	Not reported
Contact Name:	MICHAEL CORDIELLO
Address1:	Not reported
Address2:	Not reported

CHIEF PROPERTIES, LLC (Continued) **A100343936**

City:	Not reported
State:	NY
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 597-3222
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	BKFALVEY
Date Last Modified:	9/30/2011

Site Id:	417405
Affiliation Type:	Emergency Contact
Company Name:	CHIEF PROPERTIES, LLC
Contact Type:	Not reported
Contact Name:	PAT SGAMBATI
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(917) 299-9125
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	BKFALVEY
Date Last Modified:	9/30/2011

Equipment Records:

G09 - Tank Secondary Containment - Modified Double-Walled (Aboveground)
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
F00 - Pipe External Protection - None
K01 - Spill Prevention - Catch Basin
B09 - Tank External Protection - Urethane
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
I03 - Overfill - Automatic Shut-Off
I02 - Overfill - High Level Alarm
H05 - Tank Leak Detection - In-Tank System (ATG)

Tank Info:

Tank Number:	01
Tank Id:	229958
Tank Location:	3
Tank Type:	Steel Tank in Concrete
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	2009-08-01 00:00:00
Capacity Gallons:	4000

CHIEF PROPERTIES, LLC (Continued) **A100343936**

Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	dxliving
Last Modified:	2009-08-03 00:00:00

25
North
1/8-1/4
0.140 mi.
741 ft.

ARGUS REALTY CO. **AST** **U003393370**
1545 RHINELANDER AVE **HIST AST** **N/A**
BX, NY 10461

Relative:
Equal

Actual:
21 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-338702
Program Type:	PBS
UTM X:	597579.61170999997
UTM Y:	4523417.7514500003
Expiration Date:	2012/12/01

Affiliation Records:

Site Id:	16289
Affiliation Type:	Owner
Company Name:	ARGUS REALTY 1545 LLC
Contact Type:	MEMBER
Contact Name:	HANNA GOLDBERG
Address1:	P.O. BOX 691 MIDWOOD STATION
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11230
Country Code:	001
Phone:	(718) 377-2547
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	11/15/2007

Site Id:	16289
Affiliation Type:	Mail Contact
Company Name:	ARGUS REALTY 1545 LLC
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	P.O. BOX 691
Address2:	MIDWOOD STATION
City:	BROOKLYN
State:	NY
Zip Code:	11230
Country Code:	001
Phone:	(718) 377-2547
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported

ARGUS REALTY CO. (Continued) **U003393370**

Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	16289
Affiliation Type:	On-Site Operator
Company Name:	ARGUS REALTY CO.
Contact Type:	Not reported
Contact Name:	OMER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 904-0565
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	16289
Affiliation Type:	Emergency Contact
Company Name:	ARGUS REALTY 1545 LLC
Contact Type:	Not reported
Contact Name:	OMER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 904-0565
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Info:

Tank Number:	001
Tank Id:	27931
Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron

ARGUS REALTY CO. (Continued) **U003393370**

Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1962-04-24 00:00:00
Capacity Gallons:	10000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	dxliving
Last Modified:	2007-11-15 00:00:00

HIST AST:

PBS Number:	2-338702
SWIS Code:	6001
Operator:	OMER
Facility Phone:	(718) 904-0565
Facility Addr2:	1545 RHINELANDER AVE
Facility Type:	Not reported
Emergency:	OMER
Emergency Tel:	(718) 904-0565
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	ARGUS REALTY 1545 LLC
Owner Address:	P.O. BOX 691 MIDWOOD STATION
Owner City,St,Zip:	BROOKLYN, NY 11230
Federal ID:	Not reported
Owner Tel:	(718) 377-2547
Owner Type:	Not reported
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	ARGUS REALTY 1545 LLC
Mailing Address:	P.O. BOX 691
Mailing Address 2:	MIDWOOD STATION
Mailing City,St,Zip:	BROOKLYN, NY 11230
Mailing Telephone:	(718) 377-2547
Owner Mark:	Second Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	01/16/1998
Expiration:	12/01/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	10000
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	60

ARGUS REALTY CO. (Continued) **U003393370**

Town or City Code: 01
Region: 2

Tank ID: 001
Tank Location: ABOVEGROUND
Tank Status: In Service
Install Date: Not reported
Capacity (Gal): 10000
Product Stored: NOS 5 OR 6 FUEL OIL
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Tank External: Not reported
Pipe Location: Not reported
Pipe Type: STEEL/IRON
Pipe Internal: Not reported
Pipe External: Not reported
Tank Containment: None
Leak Detection: 0
Overfill Protection: 4
Dispenser Method: Suction
Date Tested: Not reported
Next Test Date: Not reported
Missing Data for Tank: Minor Data Missing
Date Closed: Not reported
Test Method: Not reported
Deleted: False
Updated: False
SPDES Number: Not reported
Lat/Long: Not reported

H26 **WONDER BAR PRODUCTS INC** **UST** **U000408624**
NNE **1624 STILLWELL AVENUE** **HIST UST** **N/A**
1/8-1/4 **BRONX, NY 10461**
0.147 mi.
778 ft. **Site 1 of 2 in cluster H**

Relative:
Lower

Actual:
19 ft.

UST:
Facility Id: 2-483176
Region: STATE
DEC Region: 2
Site Status: Unregulated
Program Type: PBS
Expiration Date: N/A
UTM X: 597687.87043000001
UTM Y: 4523333.19092

Affiliation Records:
Site Id: 21679
Affiliation Type: Owner
Company Name: S & S HOLDING
Contact Type: Not reported
Contact Name: Not reported
Address1: 1624 STILLWELL AVENUE
Address2: Not reported
City: BRONX
State: NY
Zip Code: 10461
Country Code: 001

WONDER BAR PRODUCTS INC (Continued) **U000408624**

Phone:	(212) 597-9600
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	21679
Affiliation Type:	Mail Contact
Company Name:	S & S HOLDING
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	1624 STILLWELL AVENUE
Address2:	Not reported
City:	BRONX
State:	NY
Zip Code:	10461
Country Code:	001
Phone:	(212) 597-9600
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	21679
Affiliation Type:	On-Site Operator
Company Name:	WONDER BAR PRODUCTS INC
Contact Type:	Not reported
Contact Name:	S & S HOLDING
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 597-9600
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	21679
Affiliation Type:	Emergency Contact
Company Name:	S & S HOLDING
Contact Type:	Not reported
Contact Name:	S & S HOLDING
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 597-9600
Phone Ext:	Not reported
Email:	Not reported

WONDER BAR PRODUCTS INC (Continued) **U000408624**

Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Equipment Records:
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None
H00 - Tank Leak Detection - None

Tank Info:
Site ID: 21679

Tank Number: 001
Tank ID: 32282
Tank Status: Closed Prior to Micro Conversion, 03/91
Tank Model: Not reported
Pipe Model: Not reported
Install Date: 1955-08-01 00:00:00
Capacity Gallons: 5000
Tightness Test Method: NN
Next Test Date: Not reported
Date Tank Closed: Not reported
Tank Location: 5
Tank Type: Steel/carbon steel
Date Test: Not reported
Register: True
Modified By: TRANSLAT
Last Modified: 2004-03-04 00:00:00

HIST UST:
PBS Number: 2-483176
SPDES Number: Not reported
Emergency Contact: S & S HOLDING
Emergency Telephone: (212) 597-9600
Operator: S & S HOLDING
Operator Telephone: (212) 597-9600
Owner Name: S & S HOLDING
Owner Address: 1624 STILLWELL AVENUE
Owner City,St,Zip: BRONX, NY 10461
Owner Telephone: (212) 597-9600
Owner Type: Not reported
Owner Subtype: Not reported
Mailing Name: S & S HOLDING
Mailing Address: 1624 STILLWELL AVENUE
Mailing Address 2: Not reported
Mailing City,St,Zip: BRONX, NY 10461
Mailing Contact: Not reported
Mailing Telephone: (212) 597-9600
Owner Mark: First Owner
Facility Status: 2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.
Facility Addr2: 1624 STILLWELL AVENUE

WONDER BAR PRODUCTS INC (Continued) **U000408624**

SWIS ID:	6001
Old PBS Number:	Not reported
Facility Type:	Not reported
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	11/26/1990
Expiration Date:	11/20/1995
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	0
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	Minor Data Missing
Tank Screen:	0
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	60
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	Closed Before April 1, 1991
Install Date:	19550801
Capacity (gals):	5000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Gravity
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

H27 NNE 1/8-1/4 0.147 mi. 778 ft. | **1624 STILLWELL AVE/BX**
1624 STILLWELL AVENUE
BRONX, NY

Site 2 of 2 in cluster H

LTANKS **S106703482**
HIST LTANKS **N/A**

Relative: Lower

Actual: 19 ft.

LTANKS:

Site ID:	304740
Spill No:	9008430
Spill Date:	11/1/1990
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Not reported
Spill Closed Dt:	4/16/1991
Facility Addr2:	Not reported
Cleanup Ceased:	4/16/1991
Cleanup Meets Standard:	True
SWIS:	0301
Investigator:	O'DOWD
Referred To:	Not reported
Reported to Dept:	11/1/1990
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	11/7/1990
Spill Record Last Update:	3/18/2002
Spiller Name:	Not reported
Spiller Company:	WONDERBAR PRODUCTS
Spiller Address:	1624 STILLWELL AVENUE
Spiller City,St,Zip:	BX, NY
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	246158
DEC Memo:	Not reported
Remarks:	5K TANK FAILED HORNER EZY CHECK WITH A LEAK RATE OF -.173GPH. REMOVED TANK, PERFORMED SOIL SAMPLES, GAVE CLEAN LETTER.

Material:

Site ID:	304740
Operable Unit ID:	949076
Operable Unit:	01
Material ID:	432257
Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Pounds
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

1624 STILLWELL AVE/BX (Continued) **S106703482**

Tank Test:

Site ID:	304740
Spill Tank Test:	1537807
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

HIST LTANKS:

Region of Spill:	2
Spill Number:	9008430
Spill Date:	11/01/1990
Spill Time:	14:45
Spill Cause:	Tank Test Failure
Resource Affectd:	Groundwater
Water Affected:	Not reported
Spill Source:	Other Commercial/Industrial
Spill Class:	Not reported
Spill Closed Dt:	04/16/91
Cleanup Ceased:	04/16/91
Cleanup Meets Standard:	True
Investigator:	O'DOWD
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	11/01/90
Reported to Department Time:	14:58
SWIS:	60
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	WONDERBAR PRODUCTS
Spiller Address:	1624 STILLWELL AVENUE
Spiller City,St,Zip:	BX, NY
Spiller Cleanup Date:	/ /
Facility Contact:	Not reported
Facility Phone:	(212) 597-9600
Facility Extention:	Not reported
Spill Notifier:	Tank Tester
PBS Number:	Not reported
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	False

Date Region Sent Summary to Central Office: / /

1624 STILLWELL AVE/BX (Continued) **S106703482**

Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 11/07/90
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 04/16/91
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: 0
Test Method: Not reported
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: -1
Unkonwn Quantity Spilled: False
Units: Not reported
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: Not reported
Spill Cause: 5K TANK FAILED HORNER EZY CHECK WITH A LEAK RATE OF -.173GPH. REMOVED TANK, PERFORMED SOIL SAMPLES, GAVE CLEAN LETTER.

I28 **FEZNIC REALTY CO. LLC** **UST** **U004081920**
NNW **2100 EASTCHESTER ROAD** **N/A**
1/8-1/4 **BRONX, NY 10461**
0.194 mi.
1022 ft. **Site 1 of 9 in cluster I**

Relative:
Higher

Actual:
34 ft.

UST:
Facility Id: 2-602277
Region: STATE
DEC Region: 2
Site Status: Active
Program Type: PBS
Expiration Date: 2015/06/14
UTM X: 597450.26729999995
UTM Y: 4523443.9006000003

Affiliation Records:
Site Id: 24235
Affiliation Type: Owner
Company Name: FEZNIC REALTY CO. LLC
Contact Type: AGENT
Contact Name: MARK GJONAJ
Address1: 1515 MCDONALD STREET
Address2: Not reported
City: BRONX
State: NY
Zip Code: 10461
Country Code: 001

FEZNIC REALTY CO. LLC (Continued) **U004081920**

Phone:	(718) 822-4377
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	2/15/2006

Site Id:	24235
Affiliation Type:	Mail Contact
Company Name:	NU-REC MGT CORP
Contact Type:	Not reported
Contact Name:	MARK GJONAJ
Address1:	970 MORRIS PARK AVE
Address2:	Not reported
City:	BRONX
State:	NY
Zip Code:	10462
Country Code:	001
Phone:	(718) 597-1600
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	4/28/2010

Site Id:	24235
Affiliation Type:	On-Site Operator
Company Name:	FEZNIC REALTY CO. LLC
Contact Type:	Not reported
Contact Name:	ZEF GJONAJ
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 822-4377
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	24235
Affiliation Type:	Emergency Contact
Company Name:	FEZNIC REALTY CO. LLC
Contact Type:	Not reported
Contact Name:	MARK GJONAJ
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 885-0240
Phone Ext:	Not reported
Email:	Not reported

FEZNIC REALTY CO. LLC (Continued) **U004081920**

Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
I04 - Overfill - Product Level Gauge (A/G)
F06 - Pipe External Protection - Wrapped
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
K00 - Spill Prevention - None
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
C03 - Pipe Location - Aboveground/Underground Combination
H00 - Tank Leak Detection - None
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None

Tank Info:

Site ID: 24235

Tank Number: 001
Tank ID: 49706
Tank Status: Closed - In Place
Tank Model: Not reported
Pipe Model: Not reported
Install Date: Not reported
Capacity Gallons: 7500
Tightness Test Method: 01
Next Test Date: Not reported
Date Tank Closed: 2005-05-06 00:00:00
Tank Location: 5
Tank Type: Steel/carbon steel
Date Test: 1996-09-01 00:00:00
Register: True
Modified By: KXTANG
Last Modified: 2006-02-15 00:00:00

I29 NNW 1/8-1/4 0.194 mi. 1022 ft. | **FEZNIC REALTY CO. LLC**
2100 EASTCHESTER ROAD
BRONX, NY 10461 | **HIST UST** | **U003128263**
N/A

Site 2 of 9 in cluster I

Relative: Higher

Actual: 34 ft.

HIST UST:

PBS Number:	2-602277
SPDES Number:	Not reported
Emergency Contact:	MARK GJONAJ
Emergency Telephone:	(718) 885-0240
Operator:	ZEF GJONAJ
Operator Telephone:	(718) 822-4377
Owner Name:	FEZNIC REALTY CO. LLC
Owner Address:	1515 MCDONALD STREET
Owner City,St,Zip:	BRONX, NY 10461
Owner Telephone:	(718) 822-4377
Owner Type:	Private Resident
Owner Subtype:	Not reported
Mailing Name:	MARK GJONAJ
Mailing Address:	30 PILOT STREET, APT 7L
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BRONX, NY 10464
Mailing Contact:	Not reported
Mailing Telephone:	(718) 885-0240
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	Not reported
SWIS ID:	6001
Old PBS Number:	Not reported
Facility Type:	APARTMENT BUILDING
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	08/04/2000
Expiration Date:	06/14/2005
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	7500
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	60
Town or City:	01
Region:	2
Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (gals):	7500

FEZNIC REALTY CO. LLC (Continued) **U003128263**

Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Aboveground/Underground Combination
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	Wrapped (Piping)
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	09/01/1996
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Petro-Tite
Deleted:	False
Updated:	True
Lat/long:	Not reported

I30 **FEZNIC REALTY CO. LLC** **AST** **A100293997**
NNW **2100 EASTCHESTER ROAD** **N/A**
1/8-1/4 **BRONX, NY 10461**
0.194 mi.
1022 ft. **Site 3 of 9 in cluster I**

Relative:
Higher

Actual:
34 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-602277
Program Type:	PBS
UTM X:	597450.26729999995
UTM Y:	4523443.9006000003
Expiration Date:	2015/06/14

Affiliation Records:

Site Id:	24235
Affiliation Type:	Owner
Company Name:	FEZNIC REALTY CO. LLC
Contact Type:	AGENT
Contact Name:	MARK GJONAJ
Address1:	1515 MCDONALD STREET
Address2:	Not reported
City:	BRONX
State:	NY
Zip Code:	10461
Country Code:	001
Phone:	(718) 822-4377
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	2/15/2006

Site Id:	24235
Affiliation Type:	Mail Contact

FEZNIC REALTY CO. LLC (Continued) **A100293997**

Company Name:	NU-REC MGT CORP
Contact Type:	Not reported
Contact Name:	MARK GJONAJ
Address1:	970 MORRIS PARK AVE
Address2:	Not reported
City:	BRONX
State:	NY
Zip Code:	10462
Country Code:	001
Phone:	(718) 597-1600
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	4/28/2010

Site Id:	24235
Affiliation Type:	On-Site Operator
Company Name:	FEZNIC REALTY CO. LLC
Contact Type:	Not reported
Contact Name:	ZEF GJONAJ
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 822-4377
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	24235
Affiliation Type:	Emergency Contact
Company Name:	FEZNIC REALTY CO. LLC
Contact Type:	Not reported
Contact Name:	MARK GJONAJ
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 885-0240
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping

FEZNIC REALTY CO. LLC (Continued) **A100293997**

I04 - Overfill - Product Level Gauge (A/G)
F06 - Pipe External Protection - Wrapped
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
K00 - Spill Prevention - None
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
C03 - Pipe Location - Aboveground/Underground Combination
H00 - Tank Leak Detection - None
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None

Tank Info:

Tank Number:	002
Tank Id:	210050
Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	2005-05-06 00:00:00
Capacity Gallons:	6500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	KXTANG
Last Modified:	2006-02-15 00:00:00

I31 **CARROCETTOS DRY CLEANERS INC** **RCRA-NonGen** **1000366613**
NW **2102 EASTCHESTER RD** **FINDS** **NYD981874829**
1/8-1/4 **BRONX, NY 10461** **MANIFEST**
0.195 mi.
1028 ft. **Site 4 of 9 in cluster I**

Relative:
Higher

Actual:
34 ft.

RCRA-NonGen:

Date form received by agency:	01/01/2007
Facility name:	CARROCETTOS DRY CLEANERS INC
Facility address:	2102 EASTCHESTER RD BRONX, NY 104612248
EPA ID:	NYD981874829
Mailing address:	EASTCHESTER RD BRONX, NY 10462
Contact:	Not reported
Contact address:	EASTCHESTER RD BRONX, NY 10462
Contact country:	US
Contact telephone:	Not reported

CARROCETTOS DRY CLEANERS INC (Continued) **1000366613**

Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: CARMINE CARROCCETTO
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: CARMINE CARROCCETTO
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: CARROCETTOS DRY CLEANERS INC
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: CARROCETTOS DRY CLEANERS INC
Classification: Not a generator, verified

Date form received by agency: 02/12/1987
Facility name: CARROCETTOS DRY CLEANERS INC
Classification: Small Quantity Generator

CARROCETTOS DRY CLEANERS INC (Continued) **1000366613**

Violation Status: No violations found

FINDS:

Registry ID: 110004412788

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID:	NYD981874829
Country:	USA
Mailing Name:	CARROCCETTOS
Mailing Contact:	CARROCCETTOS
Mailing Address:	2101 EASTCHESTER ROAD
Mailing Address 2:	Not reported
Mailing City:	BRONX
Mailing State:	NY
Mailing Zip:	10461
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-823-3671

Document ID:	NYA8796194
Manifest Status:	Completed copy
Trans1 State ID:	NYAP4503
Trans2 State ID:	Not reported
Generator Ship Date:	880504
Trans1 Recv Date:	880504
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	880504
Part A Recv Date:	880511
Part B Recv Date:	880510
Generator EPA ID:	NYD981874829
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	88

Document ID:	NYA8689599
Manifest Status:	Completed copy
Trans1 State ID:	NYAMP4503

CARROCETTOS DRY CLEANERS INC (Continued) **1000366613**

Trans2 State ID:	Not reported
Generator Ship Date:	880210
Trans1 Recv Date:	880210
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	880210
Part A Recv Date:	880222
Part B Recv Date:	880219
Generator EPA ID:	NYD981874829
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	88

Document ID:	NYA9643779
Manifest Status:	Completed copy
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	890825
Trans1 Recv Date:	890825
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	890825
Part A Recv Date:	890831
Part B Recv Date:	890829
Generator EPA ID:	NYD981874829
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	89

Document ID:	NYA8836547
Manifest Status:	Completed copy
Trans1 State ID:	NYPP4503
Trans2 State ID:	Not reported
Generator Ship Date:	880601
Trans1 Recv Date:	880601
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	880601
Part A Recv Date:	880609
Part B Recv Date:	880607
Generator EPA ID:	NYD981874829
Trans1 EPA ID:	ILD051060408

CARROCETTOS DRY CLEANERS INC (Continued) **1000366613**

Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	88

Document ID:	NYA9013871
Manifest Status:	Completed copy
Trans1 State ID:	NYPP4503
Trans2 State ID:	Not reported
Generator Ship Date:	880823
Trans1 Recv Date:	880823
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	880823
Part A Recv Date:	880829
Part B Recv Date:	880826
Generator EPA ID:	NYD981874829
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	88

Document ID:	NYA9289844
Manifest Status:	Completed copy
Trans1 State ID:	NYPP4503
Trans2 State ID:	Not reported
Generator Ship Date:	890208
Trans1 Recv Date:	890208
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	890208
Part A Recv Date:	890213
Part B Recv Date:	890213
Generator EPA ID:	NYD981874829
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100

CARROCETTOS DRY CLEANERS INC (Continued) **1000366613**

Year: 89

Document ID: NYA9236676
Manifest Status: Completed copy
Trans1 State ID: NYPP4503
Trans2 State ID: Not reported
Generator Ship Date: 890117
Trans1 Recv Date: 890117
Trans2 Recv Date: Not reported
TSD Site Recv Date: 890117
Part A Recv Date: 890131
Part B Recv Date: 890126
Generator EPA ID: NYD981874829
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00070
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 89

Document ID: NYA5518233
Manifest Status: Completed copy
Trans1 State ID: AM6252
Trans2 State ID: Not reported
Generator Ship Date: 870605
Trans1 Recv Date: 870605
Trans2 Recv Date: Not reported
TSD Site Recv Date: 870605
Part A Recv Date: 870618
Part B Recv Date: 870615
Generator EPA ID: NYD981874829
Trans1 EPA ID: ILD000805911
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00070
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 87

Document ID: NYA9144189
Manifest Status: Completed copy
Trans1 State ID: AY9381
Trans2 State ID: Not reported
Generator Ship Date: 881118
Trans1 Recv Date: 881118

CARROCETTOS DRY CLEANERS INC (Continued) **1000366613**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	881118
Part A Recv Date:	881128
Part B Recv Date:	881129
Generator EPA ID:	NYD981874829
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	88

Document ID:	NYA9204311
Manifest Status:	Completed copy
Trans1 State ID:	NYPP4503
Trans2 State ID:	Not reported
Generator Ship Date:	881214
Trans1 Recv Date:	881214
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	881214
Part A Recv Date:	881220
Part B Recv Date:	881221
Generator EPA ID:	NYD981874829
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	88

Document ID:	NYA9176106
Manifest Status:	Completed copy
Trans1 State ID:	NYPP4503
Trans2 State ID:	Not reported
Generator Ship Date:	880726
Trans1 Recv Date:	880726
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	880726
Part A Recv Date:	880804
Part B Recv Date:	880801
Generator EPA ID:	NYD981874829
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV

CARROCETTOS DRY CLEANERS INC (Continued) **1000366613**

Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	88

Document ID:	NYA9499612
Manifest Status:	Completed copy
Trans1 State ID:	LP3931NY
Trans2 State ID:	Not reported
Generator Ship Date:	890601
Trans1 Recv Date:	890601
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	890601
Part A Recv Date:	890613
Part B Recv Date:	890613
Generator EPA ID:	NYD981874829
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	89

Document ID:	NYA6709691
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	AM6252
Trans2 State ID:	Not reported
Generator Ship Date:	870629
Trans1 Recv Date:	870629
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	870629
Part A Recv Date:	870810
Part B Recv Date:	870707
Generator EPA ID:	NYD981874829
Trans1 EPA ID:	ILD000805911
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	87

CARROCETTOS DRY CLEANERS INC (Continued) **1000366613**

Document ID:	NYA9355937
Manifest Status:	Completed copy
Trans1 State ID:	NYPP4503
Trans2 State ID:	Not reported
Generator Ship Date:	890309
Trans1 Recv Date:	890309
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	890309
Part A Recv Date:	890316
Part B Recv Date:	890317
Generator EPA ID:	NYD981874829
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	000
Year:	89

Document ID:	NYA9407417
Manifest Status:	Completed copy
Trans1 State ID:	AP4503NY
Trans2 State ID:	Not reported
Generator Ship Date:	890406
Trans1 Recv Date:	890406
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	890406
Part A Recv Date:	890413
Part B Recv Date:	890412
Generator EPA ID:	NYD981874829
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	89

Document ID:	NYA6917747
Manifest Status:	Completed copy
Trans1 State ID:	AM6252NY
Trans2 State ID:	Not reported
Generator Ship Date:	871201
Trans1 Recv Date:	871201
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	871201
Part A Recv Date:	871216

CARROCETTOS DRY CLEANERS INC (Continued) **1000366613**

Part B Recv Date:	871215
Generator EPA ID:	NYD981874829
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	87

Document ID:	NYA8616442
Manifest Status:	Completed copy
Trans1 State ID:	NYAMP4503
Trans2 State ID:	Not reported
Generator Ship Date:	871229
Trans1 Recv Date:	871229
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	871229
Part A Recv Date:	880104
Part B Recv Date:	880104
Generator EPA ID:	NYD981874829
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	87

Document ID:	NYA6664083
Manifest Status:	Completed copy
Trans1 State ID:	AM6252
Trans2 State ID:	Not reported
Generator Ship Date:	870505
Trans1 Recv Date:	870505
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	870505
Part A Recv Date:	870520
Part B Recv Date:	870515
Generator EPA ID:	NYD981874829
Trans1 EPA ID:	ILD000805911
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001

CARROCETTOS DRY CLEANERS INC (Continued) **1000366613**

Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	87

Document ID:	NYA8639649
Manifest Status:	Completed copy
Trans1 State ID:	NYAMP4503
Trans2 State ID:	Not reported
Generator Ship Date:	880119
Trans1 Recv Date:	880119
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	880119
Part A Recv Date:	880125
Part B Recv Date:	880128
Generator EPA ID:	NYD981874829
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	88

Document ID:	NYA6802762
Manifest Status:	Completed copy
Trans1 State ID:	NYAP4503
Trans2 State ID:	Not reported
Generator Ship Date:	870923
Trans1 Recv Date:	870923
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	870923
Part A Recv Date:	870929
Part B Recv Date:	870930
Generator EPA ID:	NYD981874829
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	87

Click this hyperlink while viewing on your computer to access
4 additional NY_MANIFEST: record(s) in the EDR Site Report.

J32 SW 1/8-1/4 0.207 mi. 1093 ft.

1886 EASTCHESTER RD
1886 EASTCHESTER ROAD
BRONX, NY 10461

Site 1 of 10 in cluster J

LTANKS
HIST LTANKS
UST
HIST UST

U001831743
N/A

Relative: Equal

Actual: 21 ft.

LTANKS:

Site ID:	307595
Spill No:	9601443
Spill Date:	2/1/1996
Spill Cause:	Tank Failure
Spill Source:	Gasoline Station
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	9/4/2003
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	0301
Investigator:	SIGONA
Referred To:	Not reported
Reported to Dept:	4/29/1996
CID:	312
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	4/29/1996
Spill Record Last Update:	9/4/2003
Spiller Name:	JOHN AVON
Spiller Company:	AVON SERVICE STATION
Spiller Address:	1886 EAST CHESTER RD
Spiller City,St,Zip:	BRONX, NY 10461-
Spiller County:	001
Spiller Contact:	JOHN AVON
Spiller Phone:	(718) 822-8808
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	248404
DEC Memo:	Not reported
Remarks:	caller removed the station tank and discovered contaminated soil - he just got his results back

Material:

Site ID:	307595
Operable Unit ID:	1029088
Operable Unit:	01
Material ID:	351247
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

1886 EASTCHESTER RD (Continued) **U001831743**

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

HIST LTANKS:

Region of Spill:	2
Spill Number:	9601443
Spill Date:	02/01/1996
Spill Time:	10:08
Spill Cause:	Tank Failure
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Gas Station
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Investigator:	MULQUEEN
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	04/29/96
Reported to Department Time:	09:48
SWIS:	60
Spiller Contact:	JOHN AVON
Spiller Phone:	(718) 822-8808
Spiller Extention:	Not reported
Spiller Name:	AVON SERVICE STATION
Spiller Address:	1886 EAST CHESTER RD
Spiller City,St,Zip:	BRONX, NY 10461-
Spiller Cleanup Date:	/ /
Facility Contact:	JOHN AVON
Facility Phone:	(718) 822-8808
Facility Extention:	Not reported
Spill Notifier:	Other
PBS Number:	Not reported
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	False

1886 EASTCHESTER RD (Continued) **U001831743**

Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 04/29/96
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 05/23/96
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: GASOLINE
Class Type: GASOLINE
Times Material Entry In File: 21329
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: Not reported
Spill Cause: caller removed the station tank and discovered contaminated soil - he just got his results back

UST:
Facility Id: 2-064343
Region: STATE
DEC Region: 2
Site Status: Unregulated
Program Type: PBS
Expiration Date: N/A
UTM X: 597433.74809999997
UTM Y: 4522891.3936900003

Affiliation Records:
Site Id: 1338
Affiliation Type: Owner
Company Name: CHARLES MONACO
Contact Type: Not reported
Contact Name: Not reported
Address1: 3967 PROVOST AVE
Address2: Not reported
City: BRONX
State: NY
Zip Code: 10466
Country Code: 001
Phone: (914) 699-8800
Phone Ext: Not reported
Email: Not reported
Fax Number: Not reported

1886 EASTCHESTER RD (Continued) **U001831743**

Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	1338
Affiliation Type:	Mail Contact
Company Name:	CHARLES MONACO
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	3967 PROVOST AVENUE
Address2:	Not reported
City:	BRONX
State:	NY
Zip Code:	10466
Country Code:	001
Phone:	(914) 699-8800
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	1338
Affiliation Type:	On-Site Operator
Company Name:	1886 EASTCHESTER RD
Contact Type:	Not reported
Contact Name:	N/A
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	Not reported
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	1338
Affiliation Type:	Emergency Contact
Company Name:	CHARLES MONACO
Contact Type:	Not reported
Contact Name:	N/A
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	Not reported
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

1886 EASTCHESTER RD (Continued) **U001831743**

Equipment Records:

F00 - Pipe External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
C00 - Pipe Location - No Piping
D00 - Pipe Type - No Piping
D00 - Pipe Type - No Piping
D00 - Pipe Type - No Piping
D00 - Pipe Type - No Piping
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)
G03 - Tank Secondary Containment - Vault (w/o access)
G03 - Tank Secondary Containment - Vault (w/o access)
G03 - Tank Secondary Containment - Vault (w/o access)
B00 - Tank External Protection - None
B00 - Tank External Protection - None
B00 - Tank External Protection - None
B00 - Tank External Protection - None
I00 - Overfill - None
I00 - Overfill - None
I00 - Overfill - None
I00 - Overfill - None
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None

Tank Info:

Site ID:	1338
Tank Number:	001
Tank ID:	2375
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1981-08-01 00:00:00
Capacity Gallons:	2000
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1995-08-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00

1886 EASTCHESTER RD (Continued) **U001831743**

Site ID:	1338
Tank Number:	002
Tank ID:	2376
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1984-08-01 00:00:00
Capacity Gallons:	2020
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1994-01-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	1338
Tank Number:	003
Tank ID:	2377
Tank Status:	Tank Converted to Non-Regulated Use
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1996-08-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	1338
Tank Number:	004
Tank ID:	2378
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1995-08-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00

1886 EASTCHESTER RD (Continued) **U001831743**

HIST UST:

PBS Number:	2-064343
SPDES Number:	Not reported
Emergency Contact:	AVON SERVICE STATION INC
Emergency Telephone:	(718) 822-8808
Operator:	AVON SERVICE STATION INC
Operator Telephone:	(718) 822-8808
Owner Name:	AVON SERVICE STATION INC
Owner Address:	1886 EASTCHESTER ROAD
Owner City,St,Zip:	BRONX, NY 10461
Owner Telephone:	(212) 822-8808
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	AVON SERVICE STATION INC
Mailing Address:	1886 EASTCHESTER ROAD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BRONX, NY 10461
Mailing Contact:	Not reported
Mailing Telephone:	(212) 822-8808
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	1886 EASTCHESTER ROAD
SWIS ID:	6001
Old PBS Number:	Not reported
Facility Type:	RETAIL GASOLINE SALES
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	12/13/1991
Expiration Date:	01/14/1997
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	2000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	60
Town or City:	01
Region:	2
Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	19810801
Capacity (gals):	2000
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported

1886 EASTCHESTER RD (Continued) **U001831743**

Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Diking
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	08/01/1995
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	002
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	19840801
Capacity (gals):	2000
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Diking
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	08/01/1994
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

Tank Id:	003
Tank Location:	UNDERGROUND
Tank Status:	Tank Converted To Non-Regulated Use
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported

1886 EASTCHESTER RD (Continued) **U001831743**

Pipe External:	Not reported
Second Containment:	Diking
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	08/01/1996
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	004
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNKNOWN
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Diking
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	08/01/1995
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

I33 **49TH PRECINCT** **HIST UST** **U001837959**
NNW **2121 EASTCHESTER ROAD** **N/A**
1/8-1/4 **BRONX, NY 10461**
0.208 mi.
1096 ft. **Site 5 of 9 in cluster I**

Relative:
Higher

Actual:
36 ft.

HIST UST:

PBS Number:	2-217409
SPDES Number:	Not reported
Emergency Contact:	FUEL CONTROL UNIT
Emergency Telephone:	(718) 476-7524
Operator:	NYC POLICE DEPT.
Operator Telephone:	(718) 476-6828
Owner Name:	NEW YORK PLOICE DEPT.
Owner Address:	1 POLICE PLAZA
Owner City,St,Zip:	NEW YORK, NY 10038
Owner Telephone:	(212) 374-7650

49TH PRECINCT (Continued) **U001837959**

Owner Type:	Local Government
Owner Subtype:	Not reported
Mailing Name:	NYCPD ADMIN. SERVICE DIV. BUILDING MAINTENANCE
Mailing Address:	59-06 BROOKLYN-QUEENS EXPWY.
Mailing Address 2:	)
Mailing City,St,Zip:	WOODSIDE, NY 11377
Mailing Contact:	SERGEANT T. ZAPATA D
Mailing Telephone:	(718) 476-6828
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	Not reported
SWIS ID:	6001
Old PBS Number:	Not reported
Facility Type:	OTHER
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	04/06/1999
Expiration Date:	10/15/2002
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	5125
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	60
Town or City:	01
Region:	2
Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	19840901
Capacity (gals):	4000
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing

49TH PRECINCT (Continued) **U001837959**

Date Closed:	03/01/1996
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	002
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	19811201
Capacity (gals):	550
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	003
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	20000601
Capacity (gals):	550
Product Stored:	USED OIL
Tank Type:	Not reported
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Not reported
Leak Detection:	Not reported
Overfill Prot:	Not reported
Dispenser:	Not reported
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Major Data Missing (which is on the certificate)
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False

49TH PRECINCT (Continued) **U001837959**

Updated:	True
Lat/long:	Not reported

Tank Id:	004
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	20000601
Capacity (gals):	550
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Not reported
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Not reported
Leak Detection:	Not reported
Overfill Prot:	Not reported
Dispenser:	Not reported
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Major Data Missing (which is on the certificate)
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	02
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	19960301
Capacity (gals):	4000
Product Stored:	UNLEADED GASOLINE
Tank Type:	Fiberglass reinforced plastic [FRP]
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	STAINLESS STEEL ALLOY
Pipe Internal:	None
Pipe External:	None
Second Containment:	Other
Leak Detection:	Electronic
Overfill Prot:	Float Vent Valve, High Level Alarm
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

I34 NNW 1/8-1/4 0.208 mi. 1096 ft. | **49TH PRECINCT**
2121 EASTCHESTER ROAD
BRONX, NY 10461

Site 6 of 9 in cluster I

AST | **A100193912**
N/A

Relative: Higher

Actual: 36 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-217409
Program Type:	PBS
UTM X:	597486.44001999998
UTM Y:	4523241.4120899998
Expiration Date:	2012/10/15

Affiliation Records:

Site Id:	8225
Affiliation Type:	Owner
Company Name:	NEW YORK POLICE DEPT.
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	1 POLICE PLAZA
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10038
Country Code:	001
Phone:	(212) 374-7650
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	9/9/2011

Site Id:	8225
Affiliation Type:	Mail Contact
Company Name:	NYC POLICE DEPARTMENT
Contact Type:	Not reported
Contact Name:	COMMANDING OFFICER
Address1:	BUILDING MAINTENANCE SECTION
Address2:	59-06 BROOKLYN-QUEENS EXPWY.
City:	WOODSIDE
State:	NY
Zip Code:	11377
Country Code:	001
Phone:	(718) 476-6828
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2/18/2010

Site Id:	8225
Affiliation Type:	On-Site Operator
Company Name:	49TH PRECINCT
Contact Type:	Not reported
Contact Name:	NYC POLICE DEPT.
Address1:	Not reported
Address2:	Not reported

49TH PRECINCT (Continued) **A100193912**

City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 476-6828
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2/18/2010

Site Id:	8225
Affiliation Type:	Emergency Contact
Company Name:	NEW YORK POLICE DEPT.
Contact Type:	Not reported
Contact Name:	FUEL CONTROL UNIT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 476-7524
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	BKFALVEY
Date Last Modified:	2/25/2010

Equipment Records:

C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
E04 - Piping Secondary Containment - Double-Walled (Underground)
G09 - Tank Secondary Containment - Modified Double-Walled (Aboveground)
F04 - Pipe External Protection - Fiberglass
I04 - Overfill - Product Level Gauge (A/G)
K01 - Spill Prevention - Catch Basin
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
G00 - Tank Secondary Containment - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
B04 - Tank External Protection - Fiberglass
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None

49TH PRECINCT (Continued) **A100193912**

B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
A00 - Tank Internal Protection - None
I00 - Overfill - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
G00 - Tank Secondary Containment - None
I00 - Overfill - None
I00 - Overfill - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G99 - Tank Secondary Containment - Other
B00 - Tank External Protection - None
F00 - Pipe External Protection - None
K01 - Spill Prevention - Catch Basin
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
E04 - Piping Secondary Containment - Double-Walled (Underground)
E04 - Piping Secondary Containment - Double-Walled (Underground)
G09 - Tank Secondary Containment - Modified Double-Walled (Aboveground)
B04 - Tank External Protection - Fiberglass
B04 - Tank External Protection - Fiberglass
I00 - Overfill - None
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
I01 - Overfill - Float Vent Valve
C01 - Pipe Location - Aboveground

49TH PRECINCT (Continued) **A100193912**

H00 - Tank Leak Detection - None

Tank Info:

Tank Number:	005
Tank Id:	62573
Tank Location:	1
Tank Type:	ZZ
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	2000-06-01 00:00:00
Capacity Gallons:	25
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00

Tank Number:	006
Tank Id:	62574
Tank Location:	3
Tank Type:	Steel Tank in Concrete
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	2000-06-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	2011-09-09 00:00:00

Tank Number:	007
Tank Id:	62575
Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	2000-06-01 00:00:00
Capacity Gallons:	25
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	2010-02-18 00:00:00

I35 **49TH PCT NYPD** **LTANKS** **S102233289**
NNW **2121 EAST CHESTER RD** **HIST LTANKS** **N/A**
1/8-1/4 **BRONX, NY**
0.208 mi.
1096 ft. **Site 7 of 9 in cluster I**

Relative:
Higher

Actual:
36 ft.

LTANKS:

Site ID:	181425
Spill No:	9515184
Spill Date:	2/26/1996
Spill Cause:	Tank Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	6/24/2005
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	0301
Investigator:	JAKOLLEE
Referred To:	Not reported
Reported to Dept:	2/26/1996
CID:	312
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	2/26/1996
Spill Record Last Update:	6/24/2005
Spiller Name:	Not reported
Spiller Company:	NYPD
Spiller Address:	1 POLICE PLAZA
Spiller City,St,Zip:	NY, NY
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	270710
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KOLLEENY" 12/12/03 TJD Spill 0011207 closed and cross referenced . Valid/Ballard did site investigation under DDC Consent Order, foun d minor soil contamination near fill port and minor groundwater contamination. In Feb. 1998 ISRP, they recommended no further action for soil and one more round of groundwater monitoring. In April 1998, JK of DEC approved NFA for soil but asked for ongoing groundwater monitoring. Site management was transferred to URS/OBK, and by July 2002 they found that groundwater was clean in two consecutive rounds of sampling, except for minor exceedance of MTBE in one well. They petitioned for no further action/site closure, and in 7/29/02 correspondence, JK approved this request. - J. Kolleeny
Remarks:	caller is removing tank at above location and noticed contaminated soil

49TH PCT NYPD (Continued) **S102233289**

Material:

Site ID:	181425
Operable Unit ID:	1029931
Operable Unit:	01
Material ID:	355313
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

HIST LTANKS:

Region of Spill:	2
Spill Number:	9515184
Spill Date:	02/26/1996
Spill Time:	10:00
Spill Cause:	Tank Failure
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Other Non Commercial/Industrial
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Investigator:	KRIMGOLD
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	02/26/96
Reported to Department Time:	11:49
SWIS:	60
Spiller Contact:	Not reported
Spiller Phone:	Not reported

49TH PCT NYPD (Continued) **S102233289**

Spiller Extention: Not reported
Spiller Name: NYPD
Spiller Address: 1 POLICE PLAZA
Spiller City,St,Zip: NY, NY
Spiller Cleanup Date: / /
Facility Contact: Not reported
Facility Phone: Not reported
Facility Extention: Not reported
Spill Notifier: Other
PBS Number: Not reported
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 02/26/96
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 03/06/96
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: GASOLINE
Class Type: GASOLINE
Times Material Entry In File: 21329
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: Not reported
Spill Cause: caller is removing tank at above location and noticed contaminated soil

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I36 **NYC POLICE DEPT 49TH PRECINCT** **RCRA-NonGen** **1001090111**
NNW **2121 EASTCHESTER RD** **FINDS** **NYR000019448**
1/8-1/4 **BRONX, NY 10461**
0.208 mi.
1096 ft. **Site 8 of 9 in cluster I**

Relative:
Higher

Actual:
36 ft.

RCRA-NonGen:
Date form received by agency: 01/01/2007
Facility name: NYC POLICE DEPT 49TH PRECINCT
Facility address: 2121 EASTCHESTER RD
BRONX, NY 104612251
EPA ID: NYR000019448
Mailing address: EASTCHESTER RD

NYC POLICE DEPT 49TH PRECINCT (Continued) **1001090111**

	BRONX, NY 10461
Contact:	Not reported
Contact address:	EASTCHESTER RD BRONX, NY 10461
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	NYC DEPT OF GENERAL SERVICES
Owner/operator address:	MUNICIPAL BLDG - 15TH FLOOR NEW YORK, NY 10007
Owner/operator country:	US
Owner/operator telephone:	(212) 669-8286
Legal status:	Municipal
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/2001
Owner/Op end date:	Not reported

Owner/operator name:	NYC DEPT OF GENERAL SERVICES
Owner/operator address:	MUNICIPAL BLDG - 15TH FLOOR NEW YORK, NY 10007
Owner/operator country:	US
Owner/operator telephone:	(212) 669-8286
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/2001
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	01/01/2006
Facility name:	NYC POLICE DEPT 49TH PRECINCT
Classification:	Not a generator, verified

Date form received by agency:	07/08/1999
Facility name:	NYC POLICE DEPT 49TH PRECINCT

NYC POLICE DEPT 49TH PRECINCT (Continued) **1001090111**

Classification: Not a generator, verified

Date form received by agency: 02/06/1995
Facility name: NYC POLICE DEPT 49TH PRECINCT
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004522295

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

I37 NNW 1/8-1/4 0.208 mi. 1096 ft. **49TH PRECINCT** **UST** **U004061759**
2121 EASTCHESTER ROAD **N/A**
BRONX, NY 10461

Site 9 of 9 in cluster I

Relative: Higher

Actual: 36 ft.

UST:
Facility Id: 2-217409
Region: STATE
DEC Region: 2
Site Status: Active
Program Type: PBS
Expiration Date: 2012/10/15
UTM X: 597486.44001999998
UTM Y: 4523241.4120899998

Affiliation Records:
Site Id: 8225
Affiliation Type: Owner
Company Name: NEW YORK POLICE DEPT.
Contact Type: Not reported
Contact Name: Not reported
Address1: 1 POLICE PLAZA
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 10038
Country Code: 001
Phone: (212) 374-7650
Phone Ext: Not reported
Email: Not reported
Fax Number: Not reported
Modified By: NRLOMBAR
Date Last Modified: 9/9/2011

Site Id: 8225
Affiliation Type: Mail Contact
Company Name: NYC POLICE DEPARTMENT

49TH PRECINCT (Continued) **U004061759**

Contact Type:	Not reported
Contact Name:	COMMANDING OFFICER
Address1:	BUILDING MAINTENANCE SECTION
Address2:	59-06 BROOKLYN-QUEENS EXPWY.
City:	WOODSIDE
State:	NY
Zip Code:	11377
Country Code:	001
Phone:	(718) 476-6828
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2/18/2010

Site Id:	8225
Affiliation Type:	On-Site Operator
Company Name:	49TH PRECINCT
Contact Type:	Not reported
Contact Name:	NYC POLICE DEPT.
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 476-6828
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2/18/2010

Site Id:	8225
Affiliation Type:	Emergency Contact
Company Name:	NEW YORK POLICE DEPT.
Contact Type:	Not reported
Contact Name:	FUEL CONTROL UNIT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 476-7524
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	BKFALVEY
Date Last Modified:	2/25/2010

Equipment Records:

C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
E04 - Piping Secondary Containment - Double-Walled (Underground)

49TH PRECINCT (Continued) **U004061759**

G09 - Tank Secondary Containment - Modified Double-Walled (Aboveground)
F04 - Pipe External Protection - Fiberglass
I04 - Overfill - Product Level Gauge (A/G)
K01 - Spill Prevention - Catch Basin
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
G00 - Tank Secondary Containment - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
B04 - Tank External Protection - Fiberglass
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
A00 - Tank Internal Protection - None
I00 - Overfill - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
G00 - Tank Secondary Containment - None
I00 - Overfill - None
I00 - Overfill - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G99 - Tank Secondary Containment - Other
B00 - Tank External Protection - None
F00 - Pipe External Protection - None
K01 - Spill Prevention - Catch Basin
C00 - Pipe Location - No Piping

49TH PRECINCT (Continued) **U004061759**

F00 - Pipe External Protection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
E04 - Piping Secondary Containment - Double-Walled (Underground)
E04 - Piping Secondary Containment - Double-Walled (Underground)
G09 - Tank Secondary Containment - Modified Double-Walled (Aboveground)
B04 - Tank External Protection - Fiberglass
B04 - Tank External Protection - Fiberglass
I00 - Overfill - None
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
I01 - Overfill - Float Vent Valve
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None

Tank Info:

Site ID:	8225
Tank Number:	001
Tank ID:	23628
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1984-09-01 00:00:00
Capacity Gallons:	4000
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1996-03-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	8225
Tank Number:	002
Tank ID:	46578
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1981-12-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	2000-05-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel

49TH PRECINCT (Continued) **U004061759**

Date Test:	Not reported
Register:	True
Modified By:	dxliving
Last Modified:	2008-09-10 00:00:00
Site ID:	8225
Tank Number:	003
Tank ID:	62571
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	2000-06-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Z
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	8225
Tank Number:	004
Tank ID:	62572
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	2000-06-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Z
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	8225
Tank Number:	02
Tank ID:	50766
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1996-03-01 00:00:00
Capacity Gallons:	4000
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Equivalent technology

49TH PRECINCT (Continued) **U004061759**

Date Test:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	2011-09-09 00:00:00

38
North
1/8-1/4
0.210 mi.
1107 ft.

THE NEW PARKWAY TERRACE LLC
1540 PELHAM PARKWAY SOUTH
BRONX, NY 10461

LTANKS **U000394593**
UST **N/A**
HIST UST
AST

Relative:
Higher

Actual:
29 ft.

LTANKS:

Site ID:	405153
Spill No:	0807789
Spill Date:	10/9/2008
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	1/9/2009
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	0301
Investigator:	MXAJOKU
Referred To:	Not reported
Reported to Dept:	10/9/2008
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	10/9/2008
Spill Record Last Update:	1/9/2009
Spiller Name:	LISETTE HERNANDEZ
Spiller Company:	PARKWAY TERRACE
Spiller Address:	1540 PELHAM PARKWAY SOUTH
Spiller City,St,Zip:	BRONX, NY
Spiller County:	999
Spiller Contact:	LISETTE HERNANDEZ
Spiller Phone:	(718) 378-3000
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	354398
DEC Memo:	PBS 2-084166 TTF Ltr sent to: Parkway Terrace Renting Office 2160 Matth ews Ave Bronx, NY 10462 12/10/08: Spoke with Jim Giustiniani (cell 646 996 4914) from Empire Environmental, he said that tank will be re-tested tomorrow being 12/11/08. Tanks result and tank closure application will be sent to DEC after retest of TK. At the moment 4000 gallon AST will replace the existing 5000 gallon. (MA) 01/09/09: DEC is in receipt of second TTT result from Empire Envir onmental, and affidavit authenticating that the tank has been permenantly abandoned after second TTT confirmed that tank was tight.

THE NEW PARKWAY TERRACE LLC (Continued) **U000394593**

Spill case linked to this facility is no longer active. See eDocs for details. (MA)

Remarks: TANK TEST FAILURE ON A 5000 GALLON UNDERGROUND TANK. NO PRODUCT WAS SPILLED.

Material:

Site ID:	405153
Operable Unit ID:	1161788
Operable Unit:	01
Material ID:	2152993
Material Code:	0003
Material Name:	#6 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

UST:

Facility Id:	2-084166
Region:	STATE
DEC Region:	2
Site Status:	Active
Program Type:	PBS
Expiration Date:	2012/03/24
UTM X:	597682.65428999998
UTM Y:	4523518.5582600003

Affiliation Records:

Site Id:	1934
Affiliation Type:	Owner
Company Name:	BERNARD PUTTER
Contact Type:	OWNER/MANAGER
Contact Name:	BERNARD PUTTER
Address1:	1135 PELHAM PARKWAY NORTH
Address2:	Not reported
City:	BRONX
State:	NY
Zip Code:	10462
Country Code:	001
Phone:	(718) 547-6557

THE NEW PARKWAY TERRACE LLC (Continued) **U000394593**

Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	12/18/2008

Site Id:	1934
Affiliation Type:	Mail Contact
Company Name:	PUTTER REALTY
Contact Type:	Not reported
Contact Name:	MR. BERNARD PUTTER
Address1:	2160 MATTHEWS AVENUE
Address2:	Not reported
City:	BRONX
State:	NY
Zip Code:	10462
Country Code:	001
Phone:	(718) 892-8175
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	12/18/2008

Site Id:	1934
Affiliation Type:	On-Site Operator
Company Name:	THE NEW PARKWAY TERRACE LLC
Contact Type:	Not reported
Contact Name:	UKE - SUPERINTENDENT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(646) 322-4739
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	12/18/2008

Site Id:	1934
Affiliation Type:	Emergency Contact
Company Name:	BERNARD PUTTER
Contact Type:	Not reported
Contact Name:	BERNARD PUTTER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 892-8175
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported

THE NEW PARKWAY TERRACE LLC (Continued) **U000394593**

Modified By: NRLOMBAR
Date Last Modified: 12/18/2008

Equipment Records:

F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
B00 - Tank External Protection - None
K00 - Spill Prevention - None
G00 - Tank Secondary Containment - None
L00 - Piping Leak Detection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
I05 - Overfill - Vent Whistle
J00 - Dispenser - None
F00 - Pipe External Protection - None
I02 - Overfill - High Level Alarm
B00 - Tank External Protection - None
K00 - Spill Prevention - None
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
L00 - Piping Leak Detection - None
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None

Tank Info:

Site ID: 1934

Tank Number: 001
Tank ID: 3184
Tank Status: Closed - In Place
Tank Model: Not reported
Pipe Model: Not reported
Install Date: 1954-06-01 00:00:00
Capacity Gallons: 5000
Tightness Test Method: 21
Next Test Date: Not reported
Date Tank Closed: 2008-12-15 00:00:00
Tank Location: 5
Tank Type: Steel/carbon steel
Date Test: 2008-12-12 00:00:00
Register: True
Modified By: MXAJOKU
Last Modified: 2008-12-26 00:00:00

HIST UST:

PBS Number: 2-084166
SPDES Number: Not reported
Emergency Contact: BERNARD PUTTER
Emergency Telephone: (212) 892-1150
Operator: GEORGE SANCHEZ
Operator Telephone: (212) 892-1150

THE NEW PARKWAY TERRACE LLC (Continued) **U000394593**

Owner Name:	BERNARD PUTTER
Owner Address:	1135 PELHAM PARKWAY NORTH
Owner City,St,Zip:	BRONX, NY 10469
Owner Telephone:	(212) 892-1150
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	1540 PELHAM PARKWAY SOUTH
Mailing Address:	% THE RENTING OFFICE
Mailing Address 2:	216 MATTHEWS AVENUE
Mailing City,St,Zip:	BRONX, NY 10462
Mailing Contact:	Not reported
Mailing Telephone:	(212) 892-1150
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	1540 PELHAM PARKWAY SOUTH
SWIS ID:	6001
Old PBS Number:	Not reported
Facility Type:	APARTMENT BUILDING
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	12/07/2001
Expiration Date:	03/24/2007
Renew Flag:	False
Renewal Date:	20011113
Total Capacity:	5000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	60
Town or City:	01
Region:	2
Tank Id:	001
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS
Tank Status:	In Service
Install Date:	Not reported
Capacity (gals):	5000
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge

THE NEW PARKWAY TERRACE LLC (Continued) **U000394593**

Dispenser:	Gravity
Date Tested:	05/01/1998
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
Lat/long:	Not reported

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-084166
Program Type:	PBS
UTM X:	597682.65428999998
UTM Y:	4523518.5582600003
Expiration Date:	2012/03/24

Affiliation Records:

Site Id:	1934
Affiliation Type:	Owner
Company Name:	BERNARD PUTTER
Contact Type:	OWNER/MANAGER
Contact Name:	BERNARD PUTTER
Address1:	1135 PELHAM PARKWAY NORTH
Address2:	Not reported
City:	BRONX
State:	NY
Zip Code:	10462
Country Code:	001
Phone:	(718) 547-6557
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	12/18/2008

Site Id:	1934
Affiliation Type:	Mail Contact
Company Name:	PUTTER REALTY
Contact Type:	Not reported
Contact Name:	MR. BERNARD PUTTER
Address1:	2160 MATTHEWS AVENUE
Address2:	Not reported
City:	BRONX
State:	NY
Zip Code:	10462
Country Code:	001
Phone:	(718) 892-8175
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	12/18/2008

THE NEW PARKWAY TERRACE LLC (Continued) **U000394593**

Site Id:	1934
Affiliation Type:	On-Site Operator
Company Name:	THE NEW PARKWAY TERRACE LLC
Contact Type:	Not reported
Contact Name:	UKE - SUPERINTENDENT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(646) 322-4739
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	12/18/2008

Site Id:	1934
Affiliation Type:	Emergency Contact
Company Name:	BERNARD PUTTER
Contact Type:	Not reported
Contact Name:	BERNARD PUTTER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 892-8175
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	12/18/2008

Equipment Records:

F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
B00 - Tank External Protection - None
K00 - Spill Prevention - None
G00 - Tank Secondary Containment - None
L00 - Piping Leak Detection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
I05 - Overfill - Vent Whistle
J00 - Dispenser - None
F00 - Pipe External Protection - None
I02 - Overfill - High Level Alarm
B00 - Tank External Protection - None
K00 - Spill Prevention - None
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
L00 - Piping Leak Detection - None

THE NEW PARKWAY TERRACE LLC (Continued) **U000394593**

C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None

Tank Info:

Tank Number:	002
Tank Id:	226670
Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	2008-12-12 00:00:00
Capacity Gallons:	4000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	2008-12-18 00:00:00

39
NNE
1/8-1/4
0.214 mi.
1131 ft.

1580 PELHAM PARKWAY **UST** **U000401662**
1580 PELHAM PARKWAY S **HIST UST** **N/A**
BRONX, NY 10461

Relative:
Lower

Actual:
20 ft.

UST:

Facility Id:	2-303844
Region:	STATE
DEC Region:	2
Site Status:	Active
Program Type:	PBS
Expiration Date:	2012/07/14
UTM X:	597727.72088000004
UTM Y:	4523510.5189699996

Affiliation Records:

Site Id:	13823
Affiliation Type:	Owner
Company Name:	SAMSON MANAGEMENT, LLC
Contact Type:	PROPERTY MANAGER
Contact Name:	PETER CRUZ
Address1:	97-77 QUEENS BOULEVARD
Address2:	Not reported
City:	REGO PARK
State:	NY
Zip Code:	11374
Country Code:	001
Phone:	(718) 830-0131
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	6/5/2007

1580 PELHAM PARKWAY (Continued) **U000401662**

Site Id:	13823
Affiliation Type:	Mail Contact
Company Name:	SAMSON MANAGEMENT,LLC
Contact Type:	Not reported
Contact Name:	DEBRA DAHL
Address1:	97-77 QUEENS BOULEVARD
Address2:	Not reported
City:	REGO PARK
State:	NY
Zip Code:	11374
Country Code:	001
Phone:	(718) 830-0131
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	msbaptis
Date Last Modified:	5/3/2007

Site Id:	13823
Affiliation Type:	On-Site Operator
Company Name:	1580 PELHAM PARKWAY
Contact Type:	Not reported
Contact Name:	DANNY MARTINEZ
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 918-9720
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	13823
Affiliation Type:	Emergency Contact
Company Name:	SAMSON MANAGEMENT, LLC
Contact Type:	Not reported
Contact Name:	PETER CRUZ
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(917) 973-3409
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	msbaptis
Date Last Modified:	5/3/2007

Equipment Records:

G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None

1580 PELHAM PARKWAY (Continued) **U000401662**

D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Info:

Site ID:	13823
Tank Number:	001
Tank ID:	16236
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1958-01-01 00:00:00
Capacity Gallons:	20000
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	msbaptis
Last Modified:	2007-05-03 00:00:00

HIST UST:

PBS Number:	2-303844
SPDES Number:	Not reported
Emergency Contact:	ERIC COLON
Emergency Telephone:	(917) 812-5657
Operator:	DANNY MARTINEZ
Operator Telephone:	(718) 918-9720
Owner Name:	SAMSON MANAGEMENT
Owner Address:	97-77 QUEENS BOULEVARD
Owner City,St,Zip:	REGO PARK, NY 11374
Owner Telephone:	(718) 830-0131
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	SAMSON MANAGEMENT
Mailing Address:	97-77 QUEENS BOULEVARD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	REGO PARK, NY 11374
Mailing Contact:	Not reported
Mailing Telephone:	(718) 830-0131
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	1580 PELHAM PARKWAY S
SWIS ID:	6001
Old PBS Number:	Not reported
Facility Type:	APARTMENT BUILDING
Inspected Date:	Not reported

1580 PELHAM PARKWAY (Continued) **U000401662**

Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	07/29/1997
Expiration Date:	07/14/2002
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	20000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	60
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (gals):	20000
Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

J40 **ALBERT EINSTEIN COLLEGE OF MEDICINE** **RCRA-LQG** **1000219154**
SW **1300 MORRIS PARK AVENUE** **FTTS** **NYD980645774**
1/8-1/4 **BRONX, NY 10461** **HIST FTTS**
0.221 mi. **FINDS**
1169 ft. **Site 2 of 10 in cluster J** **UST**
HIST UST
Relative: **AST**
Equal **MANIFEST**

Actual:
21 ft.

RCRA-LQG:

Date form received by agency:	02/11/2010
Facility name:	ALBERT EINSTEIN COLLEGE OF MEDICINE

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Facility address:	1300 MORRIS PARK AVENUE FORCH BRONX, NY 10461
EPA ID:	NYD980645774
Mailing address:	MORRIS PARK AVENUE FORCH 800 BRONX, NY 10461
Contact:	DELIA VIEIRA-CRUZ
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(718) 430-3560
Contact email:	DELIA.VIEIRA-CRUZ@EINSTEIN.YU.EDU
EPA Region:	02
Land type:	Private
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	YESHIVA UNIVERSITY
Owner/operator address:	MORRIS PARK AVENUE BRONX, NY 10461
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	12/14/1950
Owner/Op end date:	Not reported

Owner/operator name:	YESHIVA UNIVERSITY
Owner/operator address:	MORRIS PARK AVENUE BRONX, NY 10461
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	12/14/1950
Owner/Op end date:	Not reported

Owner/operator name:	EINSTEIN COLLEGE OF MEDICINE
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	Yes
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency: 02/28/2008
Facility name: ALBERT EINSTEIN COLLEGE OF MEDICINE
Classification: Large Quantity Generator

Date form received by agency: 01/01/2007
Facility name: ALBERT EINSTEIN COLLEGE OF MEDICINE
Classification: Large Quantity Generator

Date form received by agency: 02/16/2006
Facility name: ALBERT EINSTEIN COLLEGE OF MEDICINE
Classification: Large Quantity Generator

Date form received by agency: 02/15/2006
Facility name: ALBERT EINSTEIN COLLEGE OF MEDICINE
Classification: Large Quantity Generator

Date form received by agency: 02/05/2004
Facility name: ALBERT EINSTEIN COLLEGE OF MEDICINE
Classification: Large Quantity Generator

Date form received by agency: 03/01/2002
Facility name: ALBERT EINSTEIN COLLEGE OF MEDICINE
Site name: ALBERT EINSEIN COLLEGE OF MEDICINE
Classification: Large Quantity Generator

Date form received by agency: 01/01/2001
Facility name: ALBERT EINSTEIN COLLEGE OF MEDICINE
Classification: Large Quantity Generator

Date form received by agency: 07/21/1999
Facility name: ALBERT EINSTEIN COLLEGE OF MEDICINE
Classification: Large Quantity Generator

Date form received by agency: 02/25/1998
Facility name: ALBERT EINSTEIN COLLEGE OF MEDICINE
Site name: ALBERT EINSTEIN COLLEGE OF MEDICINE OF
Classification: Large Quantity Generator

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Date form received by agency: 03/11/1996
Facility name: ALBERT EINSTEIN COLLEGE OF MEDICINE
Site name: ALBER EINSTEIN COLLEGE OF MEDICINE
Classification: Large Quantity Generator

Date form received by agency: 03/15/1994
Facility name: ALBERT EINSTEIN COLLEGE OF MEDICINE
Classification: Large Quantity Generator

Date form received by agency: 02/28/1992
Facility name: ALBERT EINSTEIN COLLEGE OF MEDICINE
Classification: Large Quantity Generator

Date form received by agency: 03/31/1981
Facility name: ALBERT EINSTEIN COLLEGE OF MEDICINE
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

Waste code: D004
Waste name: ARSENIC

Waste code: D005
Waste name: BARIUM

Waste code: D006
Waste name: CADMIUM

Waste code: D007
Waste name: CHROMIUM

Waste code: D008
Waste name: LEAD

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Waste code: D009
Waste name: MERCURY

Waste code: D010
Waste name: SELENIUM

Waste code: D011
Waste name: SILVER

Waste code: D018
Waste name: BENZENE

Waste code: D022
Waste name: CHLOROFORM

Waste code: D035
Waste name: METHYL ETHYL KETONE

Waste code: D038
Waste name: PYRIDINE

Waste code: D039
Waste name: TETRACHLOROETHYLENE

Waste code: D040
Waste name: TRICHLOROETHYLENE

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: P030
Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

Waste code: P075
Waste name: NICOTINE, & SALTS

Waste code: P098
Waste name: POTASSIUM CYANIDE

Waste code: P105
Waste name: SODIUM AZIDE

Waste code: P106
Waste name: SODIUM CYANIDE

Waste code: P108
Waste name: STRYCHNIDIN-10-ONE, & SALTS

Waste code: P112
Waste name: METHANE, TETRANITRO- (R)

Waste code: U122
Waste name: FORMALDEHYDE

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: F001
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F003

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Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F004
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: CRESOLS AND CRESYLIC ACID, AND NITROBENZENE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: U001
Waste name: ACETALDEHYDE (I)

Waste code: U002
Waste name: ACETONE (I)

Waste code: U003
Waste name: ACETONITRILE (I,T)

Waste code: U004
Waste name: ACETOPHENONE

Waste code: U007
Waste name: ACRYLAMIDE

Waste code: U008
Waste name: ACRYLIC ACID (I)

Waste code: U009
Waste name: ACRYLONITRILE

Waste code: U016
Waste name: BENZ[C]ACRIDINE

Waste code: U017
Waste name: BENZAL CHLORIDE

Waste code: U018
Waste name: BENZ[A]ANTHRACENE

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Waste code: U019
Waste name: BENZENE (I,T)

Waste code: U021
Waste name: BENZIDINE

Waste code: U025
Waste name: DICHLOROETHYL ETHER

Waste code: U031
Waste name: 1-BUTANOL (I)

Waste code: U032
Waste name: CALCIUM CHROMATE

Waste code: U037
Waste name: BENZENE, CHLORO-

Waste code: U043
Waste name: ETHENE, CHLORO-

Waste code: U044
Waste name: CHLOROFORM

Waste code: U055
Waste name: BENZENE, (1-METHYLETHYL)- (I)

Waste code: U056
Waste name: BENZENE, HEXAHYDRO- (I)

Waste code: U057
Waste name: CYCLOHEXANONE (I)

Waste code: U058
Waste name: CYCLOPHOSPHAMIDE

Waste code: U063
Waste name: DIBENZ[A,H]ANTHRACENE

Waste code: U070
Waste name: BENZENE, 1,2-DICHLORO-

Waste code: U089
Waste name: DIETHYLSTILBESTEROL

Waste code: U092
Waste name: DIMETHYLAMINE (I)

Waste code: U093
Waste name: BENZENAMINE, N,N-DIMETHYL-4-(PHENYLAZO)-

Waste code: U098
Waste name: 1,1-DIMETHYLHYDRAZINE

Waste code: U099
Waste name: 1,2-DIMETHYLHYDRAZINE

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Waste code: U105
Waste name: BENZENE, 1-METHYL-2,4-DINITRO-

Waste code: U108
Waste name: 1,4-DIETHYLENEOXIDE

Waste code: U109
Waste name: 1,2-DIPHENYLHYDRAZINE

Waste code: U112
Waste name: ACETIC ACID ETHYL ESTER (I)

Waste code: U113
Waste name: ETHYL ACRYLATE (I)

Waste code: U115
Waste name: ETHYLENE OXIDE (I,T)

Waste code: U116
Waste name: ETHYLENETHIOUREA

Waste code: U117
Waste name: ETHANE, 1,1'-OXYBIS-(I)

Waste code: U119
Waste name: ETHYL METHANESULFONATE

Waste code: U122
Waste name: FORMALDEHYDE

Waste code: U123
Waste name: FORMIC ACID (C,T)

Waste code: U124
Waste name: FURAN (I)

Waste code: U127
Waste name: BENZENE, HEXACHLORO-

Waste code: U129
Waste name: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA,2ALPHA,3BETA,4ALPHA,5ALPHA,6BETA)-

Waste code: U132
Waste name: HEXACHLOROPHENE

Waste code: U133
Waste name: HYDRAZINE (R,T)

Waste code: U134
Waste name: HYDROFLUORIC ACID (C,T)

Waste code: U135
Waste name: HYDROGEN SULFIDE

Waste code: U138
Waste name: METHANE, IODO-

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Waste code: U140
Waste name: ISOBUTYL ALCOHOL (I,T)

Waste code: U145
Waste name: LEAD PHOSPHATE

Waste code: U147
Waste name: 2,5-FURANDIONE

Waste code: U148
Waste name: MALEIC HYDRAZIDE

Waste code: U150
Waste name: MELPHALAN

Waste code: U151
Waste name: MERCURY

Waste code: U153
Waste name: METHANETHIOL (I, T)

Waste code: U154
Waste name: METHANOL (I)

Waste code: U157
Waste name: BENZ[J]ACEANTHRYLENE, 1,2-DIHYDRO-3-METHYL-

Waste code: U159
Waste name: 2-BUTANONE (I,T)

Waste code: U160
Waste name: 2-BUTANONE, PEROXIDE (R,T)

Waste code: U161
Waste name: METHYL ISOBUTYL KETONE (I)

Waste code: U165
Waste name: NAPHTHALENE

Waste code: U167
Waste name: 1-NAPHTHALENAMINE

Waste code: U168
Waste name: 2-NAPHTHALENAMINE

Waste code: U169
Waste name: BENZENE, NITRO-

Waste code: U170
Waste name: P-NITROPHENOL

Waste code: U173
Waste name: ETHANOL, 2,2'-(NITROSOIMINO)BIS-

Waste code: U174
Waste name: ETHANAMINE, N-ETHYL-N-NITROSO-

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Waste code: U176
Waste name: N-NITROSO-N-ETHYLUREA

Waste code: U177
Waste name: N-NITROSO-N-METHYLUREA

Waste code: U178
Waste name: CARBAMIC ACID, METHYLNITROSO-, ETHYL ESTER

Waste code: U187
Waste name: ACETAMIDE, N-(4-ETHOXYPHENYL)-

Waste code: U188
Waste name: PHENOL

Waste code: U196
Waste name: PYRIDINE

Waste code: U197
Waste name: P-BENZOQUINONE

Waste code: U201
Waste name: 1,3-BENZENEDIOL

Waste code: U202
Waste name: 1,2-BENZISOTHIAZOL-3(2H)-ONE, 1,1-DIOXIDE, & SALTS

Waste code: U203
Waste name: 1,3-BENZODIOXOLE, 5-(2-PROPENYL)-

Waste code: U209
Waste name: ETHANE, 1,1,2,2-TETRACHLORO-

Waste code: U210
Waste name: ETHENE, TETRACHLORO-

Waste code: U219
Waste name: THIOUREA

Waste code: U220
Waste name: BENZENE, METHYL-

Waste code: U226
Waste name: ETHANE, 1,1,1-TRICHLORO-

Waste code: U227
Waste name: ETHANE, 1,1,2-TRICHLORO-

Waste code: U228
Waste name: ETHENE, TRICHLORO-

Waste code: U235
Waste name: 1-PROPANOL, 2,3-DIBROMO-, PHOSPHATE (3:1)

Waste code: U236
Waste name: 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-[(3,3'-DIMETHYL[1,1'-BIPHENYL]-4,4'-DIYL)BIS(AZO)BIS[5-AMINO-4-HYDROXY]-,

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

TETRASODIUM SALT

Waste code: U237
Waste name: 2,4-(1H,3H)-PYRIMIDINEDIONE, 5-[BIS(2-CHLOROETHYL)AMINO]-

Waste code: U238
Waste name: CARBAMIC ACID, ETHYL ESTER

Waste code: U239
Waste name: BENZENE, DIMETHYL- (I,T)

Biennial Reports:

Last Biennial Reporting Year: 2011

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 13345

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 1586

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
Amount (Lbs): 1608

Waste code: D004
Waste name: ARSENIC
Amount (Lbs): 1586

Waste code: D005
Waste name: BARIUM
Amount (Lbs): 1608

Waste code: D006
Waste name: CADMIUM
Amount (Lbs): 1586

Waste code: D007
Waste name: CHROMIUM

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Amount (Lbs): 1586

Waste code: D008
Waste name: LEAD
Amount (Lbs): 1586

Waste code: D009
Waste name: MERCURY
Amount (Lbs): 5

Waste code: D010
Waste name: SELENIUM
Amount (Lbs): 1586

Waste code: D011
Waste name: SILVER
Amount (Lbs): 1586

Waste code: D018
Waste name: BENZENE
Amount (Lbs): 6368

Waste code: D022
Waste name: CHLOROFORM
Amount (Lbs): 2190

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 5330

Waste code: D038
Waste name: PYRIDINE
Amount (Lbs): 5330

Waste code: D039
Waste name: TETRACHLOROETHYLENE
Amount (Lbs): 1038

Waste code: D040
Waste name: TRICHLOROETHYLENE
Amount (Lbs): 1038

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 2150

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 10670

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 10670

Waste code: P030
Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED
Amount (Lbs): 22

Waste code: P075
Waste name: NICOTINE, & SALTS
Amount (Lbs): 22

Waste code: P098
Waste name: POTASSIUM CYANIDE
Amount (Lbs): 22

Waste code: P105
Waste name: SODIUM AZIDE
Amount (Lbs): 22

Waste code: P106
Waste name: SODIUM CYANIDE
Amount (Lbs): 22

Waste code: P108
Waste name: STRYCHNIDIN-10-ONE, & SALTS
Amount (Lbs): 22

Waste code: P112
Waste name: METHANE, TETRANITRO- (R)
Amount (Lbs): 22

Waste code: U122
Waste name: FORMALDEHYDE
Amount (Lbs): 600

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 01/04/2011

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Date achieved compliance: 01/25/2011
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/13/2011
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 02/14/2011
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: Universal Waste - Small Quantity Handlers
Date violation determined: 01/04/2011
Date achieved compliance: 01/25/2011
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/13/2011
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 02/14/2011
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: TSD IS-Preparedness and Prevention
Date violation determined: 01/04/2011
Date achieved compliance: 01/25/2011
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/13/2011
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 02/14/2011
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: TSD IS-Contingency Plan and Emergency Procedures
Date violation determined: 01/04/2011
Date achieved compliance: 01/25/2011
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/13/2011
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 02/14/2011
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: Listing - General
Date violation determined: 01/04/2011
Date achieved compliance: 01/25/2011

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/13/2011
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 02/14/2011
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 11/07/1990
Date achieved compliance: 03/19/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/28/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Evaluation Action Summary:
Evaluation date: 01/04/2011
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Listing - General
Date achieved compliance: 01/25/2011
Evaluation lead agency: State

Evaluation date: 01/04/2011
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: State Statute or Regulation
Date achieved compliance: 01/25/2011
Evaluation lead agency: State

Evaluation date: 01/04/2011
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Contingency Plan and Emergency Procedures
Date achieved compliance: 01/25/2011
Evaluation lead agency: State

Evaluation date: 01/04/2011
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Universal Waste - Small Quantity Handlers
Date achieved compliance: 01/25/2011
Evaluation lead agency: State

Evaluation date: 01/04/2011
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Preparedness and Prevention
Date achieved compliance: 01/25/2011
Evaluation lead agency: State

Evaluation date: 02/25/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 11/07/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 03/19/1991
Evaluation lead agency: State

FTTS INSP:
Inspection Number: 2004022523337 1
Region: 02
Inspection Date: 02/25/04
Inspector: V. CHIN, LP
Violation occurred: Yes
Investigation Type: Section 6 PCB Federal Conducted
Investigation Reason: For Cause, Violation
Legislation Code: TSCA
Facility Function: User

HIST FTTS INSP:
Inspection Number: 2004022523337 1
Region: 02
Inspection Date: Not reported
Inspector: V. CHIN, LP
Violation occurred: Yes
Investigation Type: Section 6 PCB Federal Conducted
Investigation Reason: For Cause, Violation
Legislation Code: TSCA
Facility Function: User

FINDS:

Registry ID: 110001566421

Environmental Interest/Information System

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

HAZARDOUS WASTE BIENNIAL REPORTER

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

UST:

Facility Id:	2-032654
Region:	STATE
DEC Region:	2
Site Status:	Active
Program Type:	PBS
Expiration Date:	2013/02/03
UTM X:	597425.74887999997
UTM Y:	4522868.1675899997

Affiliation Records:

Site Id:	232
Affiliation Type:	Owner
Company Name:	ALBERT EINSTEIN COLLEGE OF MEDICINE OF YESHIVA UNI
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	1300 MORRIS PARK AVENUE
Address2:	Not reported
City:	BRONX
State:	NY
Zip Code:	10461
Country Code:	001
Phone:	(718) 430-2808
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	11/15/2010

Site Id:	232
Affiliation Type:	Mail Contact
Company Name:	ALBERT EINSTEIN COLLEGE OF MEDICINE
Contact Type:	Not reported
Contact Name:	MR. PETER PESSONI
Address1:	OF YESHIVA UNIVERSITY
Address2:	1300 MORRIS PARK AVENUE
City:	BRONX

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

State:	NY
Zip Code:	10461
Country Code:	001
Phone:	(718) 430-2808
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	5/23/2008

Site Id:	232
Affiliation Type:	On-Site Operator
Company Name:	ALBERT EINSTEIN COLLEGE OF MEDICINE
Contact Type:	Not reported
Contact Name:	ALBERT EINSTEIN COLLEGE
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 430-2808
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	11/15/2010

Site Id:	232
Affiliation Type:	Emergency Contact
Company Name:	ALBERT EINSTEIN COLLEGE OF MEDICINE OF YESHIVA UNI
Contact Type:	Not reported
Contact Name:	MR. RICHARD CIVITANO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 430-2808
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	11/15/2010

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
I05 - Overfill - Vent Whistle
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
G00 - Tank Secondary Containment - None
G00 - Tank Secondary Containment - None

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

I05 - Overfill - Vent Whistle
K00 - Spill Prevention - None
B00 - Tank External Protection - None
B00 - Tank External Protection - None
B00 - Tank External Protection - None
K00 - Spill Prevention - None
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
F00 - Pipe External Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
I04 - Overfill - Product Level Gauge (A/G)
D99 - Pipe Type - Other
G04 - Tank Secondary Containment - Double-Walled (Underground)
G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
I00 - Overfill - None
I00 - Overfill - None
B04 - Tank External Protection - Fiberglass
H05 - Tank Leak Detection - In-Tank System (ATG)
C02 - Pipe Location - Underground/On-ground
I02 - Overfill - High Level Alarm
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
F99 - Pipe External Protection - Other
I00 - Overfill - None
I00 - Overfill - None
B04 - Tank External Protection - Fiberglass
I00 - Overfill - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
G00 - Tank Secondary Containment - None
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
K01 - Spill Prevention - Catch Basin
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
B00 - Tank External Protection - None
B00 - Tank External Protection - None
G04 - Tank Secondary Containment - Double-Walled (Underground)
B00 - Tank External Protection - None
G04 - Tank Secondary Containment - Double-Walled (Underground)
K00 - Spill Prevention - None
K00 - Spill Prevention - None
B00 - Tank External Protection - None
B00 - Tank External Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
F05 - Pipe External Protection - Jacketed
I05 - Overfill - Vent Whistle
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

D00 - Pipe Type - No Piping
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
G00 - Tank Secondary Containment - None
J03 - Dispenser - Gravity
A01 - Tank Internal Protection - Epoxy Liner
G00 - Tank Secondary Containment - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J03 - Dispenser - Gravity
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
I02 - Overfill - High Level Alarm
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B08 - Tank External Protection - Retrofitted Impressed Current
F00 - Pipe External Protection - None
G04 - Tank Secondary Containment - Double-Walled (Underground)
B00 - Tank External Protection - None
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
B00 - Tank External Protection - None
G04 - Tank Secondary Containment - Double-Walled (Underground)
K00 - Spill Prevention - None
G04 - Tank Secondary Containment - Double-Walled (Underground)
G04 - Tank Secondary Containment - Double-Walled (Underground)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
K01 - Spill Prevention - Catch Basin
K01 - Spill Prevention - Catch Basin
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
F00 - Pipe External Protection - None
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
G00 - Tank Secondary Containment - None
G00 - Tank Secondary Containment - None
A01 - Tank Internal Protection - Epoxy Liner
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle
I00 - Overfill - None
I00 - Overfill - None
B04 - Tank External Protection - Fiberglass
D08 - Pipe Type - Equivalent Technology
H05 - Tank Leak Detection - In-Tank System (ATG)
I00 - Overfill - None
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
F05 - Pipe External Protection - Jacketed
I05 - Overfill - Vent Whistle
F05 - Pipe External Protection - Jacketed
I05 - Overfill - Vent Whistle
F99 - Pipe External Protection - Other
G00 - Tank Secondary Containment - None
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle
G00 - Tank Secondary Containment - None
G00 - Tank Secondary Containment - None
F99 - Pipe External Protection - Other
J02 - Dispenser - Suction
I00 - Overfill - None
I00 - Overfill - None
B04 - Tank External Protection - Fiberglass
D08 - Pipe Type - Equivalent Technology
H05 - Tank Leak Detection - In-Tank System (ATG)
B04 - Tank External Protection - Fiberglass
B04 - Tank External Protection - Fiberglass
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
F00 - Pipe External Protection - None
B08 - Tank External Protection - Retrofitted Impressed Current
I04 - Overfill - Product Level Gauge (A/G)
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
I04 - Overfill - Product Level Gauge (A/G)
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
K00 - Spill Prevention - None
B00 - Tank External Protection - None
B00 - Tank External Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
C03 - Pipe Location - Aboveground/Underground Combination
H00 - Tank Leak Detection - None
C01 - Pipe Location - Aboveground

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
C02 - Pipe Location - Underground/On-ground
I02 - Overfill - High Level Alarm
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
A01 - Tank Internal Protection - Epoxy Liner
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle
I05 - Overfill - Vent Whistle
G00 - Tank Secondary Containment - None
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle
I05 - Overfill - Vent Whistle
A01 - Tank Internal Protection - Epoxy Liner
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle
A01 - Tank Internal Protection - Epoxy Liner
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle
G00 - Tank Secondary Containment - None
G00 - Tank Secondary Containment - None
G00 - Tank Secondary Containment - None
B08 - Tank External Protection - Retrofitted Impressed Current
F00 - Pipe External Protection - None
B08 - Tank External Protection - Retrofitted Impressed Current
F00 - Pipe External Protection - None
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
K00 - Spill Prevention - None
B00 - Tank External Protection - None
B00 - Tank External Protection - None
G04 - Tank Secondary Containment - Double-Walled (Underground)
K00 - Spill Prevention - None
K00 - Spill Prevention - None
K00 - Spill Prevention - None
K00 - Spill Prevention - None
B00 - Tank External Protection - None
K00 - Spill Prevention - None

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

K00 - Spill Prevention - None
I02 - Overfill - High Level Alarm
I02 - Overfill - High Level Alarm
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
C02 - Pipe Location - Underground/On-ground
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
C03 - Pipe Location - Aboveground/Underground Combination
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
C03 - Pipe Location - Aboveground/Underground Combination
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
I03 - Overfill - Automatic Shut-Off
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None
K00 - Spill Prevention - None
B00 - Tank External Protection - None
B00 - Tank External Protection - None
B00 - Tank External Protection - None
I00 - Overfill - None
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None

Tank Info:

Site ID:	232
Tank Number:	001
Tank ID:	4
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1959-12-01 00:00:00
Capacity Gallons:	25000
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	2009-02-13 00:00:00
Site ID:	232
Tank Number:	001-A
Tank ID:	5
Tank Status:	Closed - Removed
Tank Model:	Not reported

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Pipe Model:	Not reported
Install Date:	1959-12-01 00:00:00
Capacity Gallons:	25000
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1998-12-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	232
Tank Number:	002
Tank ID:	6
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1959-12-01 00:00:00
Capacity Gallons:	25000
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	2009-02-13 00:00:00
Site ID:	232
Tank Number:	002-A
Tank ID:	7
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1959-12-01 00:00:00
Capacity Gallons:	25000
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1998-12-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	232
Tank Number:	003
Tank ID:	8
Tank Status:	In Service
Tank Model:	Not reported

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Pipe Model:	Not reported
Install Date:	1959-12-01 00:00:00
Capacity Gallons:	25000
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	2009-02-13 00:00:00
Site ID:	232
Tank Number:	003-A
Tank ID:	9
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1959-12-01 00:00:00
Capacity Gallons:	25000
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1998-12-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	232
Tank Number:	004
Tank ID:	10
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1969-12-01 00:00:00
Capacity Gallons:	7500
Tightness Test Method:	21
Next Test Date:	2015-09-01 00:00:00
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	2010-09-01 00:00:00
Register:	True
Modified By:	BKFALVEY
Last Modified:	2011-07-05 00:00:00
Site ID:	232
Tank Number:	004-A
Tank ID:	11
Tank Status:	Closed - Removed
Tank Model:	Not reported

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Pipe Model:	Not reported
Install Date:	1969-12-01 00:00:00
Capacity Gallons:	7500
Tightness Test Method:	03
Next Test Date:	Not reported
Date Tank Closed:	1998-12-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	1998-05-01 00:00:00
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	232
Tank Number:	005
Tank ID:	27079
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1970-12-01 00:00:00
Capacity Gallons:	2250
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1998-11-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	232
Tank Number:	006
Tank ID:	27080
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1983-12-01 00:00:00
Capacity Gallons:	5000
Tightness Test Method:	03
Next Test Date:	Not reported
Date Tank Closed:	1998-11-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	1998-06-01 00:00:00
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	232
Tank Number:	007
Tank ID:	27081
Tank Status:	Closed - Removed
Tank Model:	Not reported

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Pipe Model:	Not reported
Install Date:	1979-12-01 00:00:00
Capacity Gallons:	5000
Tightness Test Method:	03
Next Test Date:	Not reported
Date Tank Closed:	1998-11-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	1998-06-01 00:00:00
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	232
Tank Number:	009
Tank ID:	27083
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	5000
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1998-11-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	232
Tank Number:	010
Tank ID:	27084
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1999-01-01 00:00:00
Capacity Gallons:	2500
Tightness Test Method:	21
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	2011-02-14 00:00:00
Register:	True
Modified By:	BKFALVEY
Last Modified:	2011-03-23 00:00:00
Site ID:	232
Tank Number:	011
Tank ID:	27085
Tank Status:	In Service
Tank Model:	Not reported

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Pipe Model:	Not reported
Install Date:	1999-01-01 00:00:00
Capacity Gallons:	5000
Tightness Test Method:	21
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	2011-01-04 00:00:00
Register:	True
Modified By:	BKFALVEY
Last Modified:	2011-03-23 00:00:00
Site ID:	232
Tank Number:	012
Tank ID:	27086
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1999-01-01 00:00:00
Capacity Gallons:	5000
Tightness Test Method:	21
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	2011-01-04 00:00:00
Register:	True
Modified By:	BKFALVEY
Last Modified:	2011-03-23 00:00:00
Site ID:	232
Tank Number:	013
Tank ID:	208116
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1971-08-01 00:00:00
Capacity Gallons:	35000
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	2009-10-07 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	2010-11-15 00:00:00
Site ID:	232
Tank Number:	013-A
Tank ID:	27087
Tank Status:	Closed - Removed
Tank Model:	Not reported

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	KXTANG
Last Modified:	2005-09-23 00:00:00
Site ID:	232
Tank Number:	014
Tank ID:	208117
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1971-08-01 00:00:00
Capacity Gallons:	35000
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	2009-10-07 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	2010-11-15 00:00:00
Site ID:	232
Tank Number:	014-A
Tank ID:	27088
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	KXTANG
Last Modified:	2005-09-23 00:00:00
Site ID:	232
Tank Number:	015
Tank ID:	27089
Tank Status:	Closed - Removed
Tank Model:	Not reported

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	232
Tank Number:	016
Tank ID:	27090
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	232
Tank Number:	017
Tank ID:	27091
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	232
Tank Number:	018
Tank ID:	27092
Tank Status:	Closed - Removed
Tank Model:	Not reported

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	232
Tank Number:	019
Tank ID:	27093
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	232
Tank Number:	020
Tank ID:	27094
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	232
Tank Number:	021
Tank ID:	27095
Tank Status:	Closed - Removed
Tank Model:	Not reported

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Equivalent technology
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	232
Tank Number:	022
Tank ID:	27096
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	232
Tank Number:	023
Tank ID:	27097
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	232
Tank Number:	N-1
Tank ID:	223209
Tank Status:	In Service
Tank Model:	Not reported

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Pipe Model:	Not reported
Install Date:	2007-03-01 00:00:00
Capacity Gallons:	20000
Tightness Test Method:	00
Next Test Date:	2017-03-01 00:00:00
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Equivalent technology
Date Test:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	2009-02-13 00:00:00

Site ID: 232

Tank Number:	N-2
Tank ID:	223210
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	2007-03-01 00:00:00
Capacity Gallons:	2000
Tightness Test Method:	00
Next Test Date:	Not reported
Date Tank Closed:	2008-12-01 00:00:00
Tank Location:	5
Tank Type:	Equivalent technology
Date Test:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	2009-02-13 00:00:00

HIST UST:

PBS Number:	2-032654
SPDES Number:	Not reported
Emergency Contact:	R CIVITANO/ENGINEERING
Emergency Telephone:	(718) 430-2808
Operator:	A S ANNUNZIATA/ENG
Operator Telephone:	(718) 430-2808
Owner Name:	AECOM OF YESHIVA UNIVERSITY
Owner Address:	1300 MORRIS PARK AVENUE
Owner City,St,Zip:	BRONX NEW YORK, NY 10461
Owner Telephone:	(718) 430-2808
Owner Type:	Not reported
Owner Subtype:	Not reported
Mailing Name:	AECOM OF YESHIVA UNIVERSITY
Mailing Address:	1300 MORRIS PARK AVENUE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BRONX NEW YORK, NY 10461
Mailing Contact:	PETER PESSONI
Mailing Telephone:	(718) 430-2802
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	1300 MORRIS PARK AVE
SWIS ID:	6001

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Old PBS Number:	Not reported
Facility Type:	SCHOOL
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	08/17/1998
Expiration Date:	02/03/2003
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	20000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	60
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	19591201
Capacity (gals):	25000
Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	12/01/1998
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	002
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	19591201
Capacity (gals):	25000
Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Type:	Steel/carbon steel

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	12/01/1998
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	003
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	19591201
Capacity (gals):	25000
Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	12/01/1998
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	004
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	19691201
Capacity (gals):	7500
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Aboveground

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	05/01/1998
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	12/01/1998
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	005
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	19701201
Capacity (gals):	2250
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Fiberglass
Pipe Location:	Aboveground/Underground Combination
Pipe Type:	FIBERGLASS REINFORCED PLASTIC
Pipe Internal:	None
Pipe External:	Other
Second Containment:	Vault (w/access)
Leak Detection:	41
Overfill Prot:	High Level Alarm, Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	11/01/1998
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	006
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	19831201
Capacity (gals):	5000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Fiberglass
Pipe Location:	Aboveground/Underground Combination
Pipe Type:	FIBERGLASS REINFORCED PLASTIC
Pipe Internal:	None
Pipe External:	Other

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Second Containment:	Vault (w/access)
Leak Detection:	41
Overfill Prot:	High Level Alarm, Product Level Gauge
Dispenser:	Suction
Date Tested:	06/01/1998
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	11/01/1998
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	007
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	19791201
Capacity (gals):	5000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Fiberglass
Pipe Location:	Aboveground/Underground Combination
Pipe Type:	OTHER
Pipe Internal:	None
Pipe External:	Other
Second Containment:	Vault (w/access)
Leak Detection:	41
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	06/01/1998
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	11/01/1998
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	008
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	19621201
Capacity (gals):	7500
Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Dispenser:	Gravity
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	009
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	5000
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	11/01/1998
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	010
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	19990101
Capacity (gals):	2500
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Fiberglass
Pipe Location:	Underground
Pipe Type:	FIBERGLASS REINFORCED PLASTIC
Pipe Internal:	None
Pipe External:	None
Second Containment:	Vault (w/access)
Leak Detection:	Electronic
Overfill Prot:	Product Level Gauge, Catch Basin
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	011
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	19990101
Capacity (gals):	5000
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Fiberglass
Pipe Location:	Underground
Pipe Type:	FIBERGLASS REINFORCED PLASTIC
Pipe Internal:	None
Pipe External:	None
Second Containment:	Vault (w/access)
Leak Detection:	Electronic
Overfill Prot:	Product Level Gauge, Catch Basin
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	012
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	19990101
Capacity (gals):	5000
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Fiberglass
Pipe Location:	Underground
Pipe Type:	FIBERGLASS REINFORCED PLASTIC
Pipe Internal:	None
Pipe External:	None
Second Containment:	Vault (w/access)
Leak Detection:	Electronic
Overfill Prot:	Product Level Gauge, Catch Basin
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported

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Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	013
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	LEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	014
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	LEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Tank Id:	015
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	LEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	016
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	LEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	017
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed

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Install Date:	Not reported
Capacity (gals):	550
Product Stored:	LEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	018
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	LEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	019
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	LEADED GASOLINE

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	020
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Epoxy Liner
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	021
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNKNOWN
Tank Type:	Fiberglass reinforced plastic [FRP]
Tank Internal:	Not reported
Tank External:	Not reported

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Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	022
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNKNOWN
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	Not reported
Overfill Prot:	Not reported
Dispenser:	Gravity
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	023
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNKNOWN
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Pipe External:	Not reported
Second Containment:	None
Leak Detection:	Not reported
Overfill Prot:	Not reported
Dispenser:	Gravity
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-032654
Program Type:	PBS
UTM X:	597425.74887999997
UTM Y:	4522868.1675899997
Expiration Date:	2013/02/03

Affiliation Records:

Site Id:	232
Affiliation Type:	Owner
Company Name:	ALBERT EINSTEIN COLLEGE OF MEDICINE OF YESHIVA UNI
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	1300 MORRIS PARK AVENUE
Address2:	Not reported
City:	BRONX
State:	NY
Zip Code:	10461
Country Code:	001
Phone:	(718) 430-2808
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	11/15/2010

Site Id:	232
Affiliation Type:	Mail Contact
Company Name:	ALBERT EINSTEIN COLLEGE OF MEDICINE
Contact Type:	Not reported
Contact Name:	MR. PETER PESSONI
Address1:	OF YESHIVA UNIVERSITY
Address2:	1300 MORRIS PARK AVENUE
City:	BRONX
State:	NY
Zip Code:	10461
Country Code:	001
Phone:	(718) 430-2808
Phone Ext:	Not reported
Email:	Not reported

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	5/23/2008

Site Id:	232
Affiliation Type:	On-Site Operator
Company Name:	ALBERT EINSTEIN COLLEGE OF MEDICINE
Contact Type:	Not reported
Contact Name:	ALBERT EINSTEIN COLLEGE
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 430-2808
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	11/15/2010

Site Id:	232
Affiliation Type:	Emergency Contact
Company Name:	ALBERT EINSTEIN COLLEGE OF MEDICINE OF YESHIVA UNI
Contact Type:	Not reported
Contact Name:	MR. RICHARD CIVITANO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 430-2808
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	11/15/2010

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
I05 - Overfill - Vent Whistle
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
G00 - Tank Secondary Containment - None
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle
K00 - Spill Prevention - None
B00 - Tank External Protection - None
B00 - Tank External Protection - None
B00 - Tank External Protection - None
K00 - Spill Prevention - None

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
F00 - Pipe External Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
I04 - Overfill - Product Level Gauge (A/G)
D99 - Pipe Type - Other
G04 - Tank Secondary Containment - Double-Walled (Underground)
G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
I00 - Overfill - None
I00 - Overfill - None
B04 - Tank External Protection - Fiberglass
H05 - Tank Leak Detection - In-Tank System (ATG)
C02 - Pipe Location - Underground/On-ground
I02 - Overfill - High Level Alarm
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
F99 - Pipe External Protection - Other
I00 - Overfill - None
I00 - Overfill - None
B04 - Tank External Protection - Fiberglass
I00 - Overfill - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
G00 - Tank Secondary Containment - None
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
K01 - Spill Prevention - Catch Basin
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
B00 - Tank External Protection - None
B00 - Tank External Protection - None
G04 - Tank Secondary Containment - Double-Walled (Underground)
B00 - Tank External Protection - None
G04 - Tank Secondary Containment - Double-Walled (Underground)
K00 - Spill Prevention - None
K00 - Spill Prevention - None
B00 - Tank External Protection - None
B00 - Tank External Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
F05 - Pipe External Protection - Jacketed
I05 - Overfill - Vent Whistle
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle
D00 - Pipe Type - No Piping
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
G00 - Tank Secondary Containment - None
J03 - Dispenser - Gravity
A01 - Tank Internal Protection - Epoxy Liner
G00 - Tank Secondary Containment - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J03 - Dispenser - Gravity
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
I02 - Overfill - High Level Alarm
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B08 - Tank External Protection - Retrofitted Impressed Current
F00 - Pipe External Protection - None
G04 - Tank Secondary Containment - Double-Walled (Underground)
B00 - Tank External Protection - None
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
B00 - Tank External Protection - None
G04 - Tank Secondary Containment - Double-Walled (Underground)
K00 - Spill Prevention - None
G04 - Tank Secondary Containment - Double-Walled (Underground)
G04 - Tank Secondary Containment - Double-Walled (Underground)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
K01 - Spill Prevention - Catch Basin
K01 - Spill Prevention - Catch Basin
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
F00 - Pipe External Protection - None
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

I02 - Overfill - High Level Alarm
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
G00 - Tank Secondary Containment - None
G00 - Tank Secondary Containment - None
A01 - Tank Internal Protection - Epoxy Liner
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle
I00 - Overfill - None
I00 - Overfill - None
B04 - Tank External Protection - Fiberglass
D08 - Pipe Type - Equivalent Technology
H05 - Tank Leak Detection - In-Tank System (ATG)
I00 - Overfill - None
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
F05 - Pipe External Protection - Jacketed
I05 - Overfill - Vent Whistle
F05 - Pipe External Protection - Jacketed
I05 - Overfill - Vent Whistle
F99 - Pipe External Protection - Other
G00 - Tank Secondary Containment - None
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle
G00 - Tank Secondary Containment - None
G00 - Tank Secondary Containment - None
F99 - Pipe External Protection - Other
J02 - Dispenser - Suction
I00 - Overfill - None
I00 - Overfill - None
B04 - Tank External Protection - Fiberglass
D08 - Pipe Type - Equivalent Technology
H05 - Tank Leak Detection - In-Tank System (ATG)
B04 - Tank External Protection - Fiberglass
B04 - Tank External Protection - Fiberglass
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
F00 - Pipe External Protection - None
B08 - Tank External Protection - Retrofitted Impressed Current
I04 - Overfill - Product Level Gauge (A/G)
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
I04 - Overfill - Product Level Gauge (A/G)
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
K00 - Spill Prevention - None
B00 - Tank External Protection - None
B00 - Tank External Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
C03 - Pipe Location - Aboveground/Underground Combination
H00 - Tank Leak Detection - None
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
C01 - Pipe Location - Aboveground

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
C02 - Pipe Location - Underground/On-ground
I02 - Overfill - High Level Alarm
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
A01 - Tank Internal Protection - Epoxy Liner
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle
I05 - Overfill - Vent Whistle
G00 - Tank Secondary Containment - None
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle
I05 - Overfill - Vent Whistle
A01 - Tank Internal Protection - Epoxy Liner
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle
A01 - Tank Internal Protection - Epoxy Liner
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle
G00 - Tank Secondary Containment - None
G00 - Tank Secondary Containment - None
G00 - Tank Secondary Containment - None
B08 - Tank External Protection - Retrofitted Impressed Current
F00 - Pipe External Protection - None
B08 - Tank External Protection - Retrofitted Impressed Current
F00 - Pipe External Protection - None
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
K00 - Spill Prevention - None
B00 - Tank External Protection - None
B00 - Tank External Protection - None
G04 - Tank Secondary Containment - Double-Walled (Underground)
K00 - Spill Prevention - None
K00 - Spill Prevention - None
K00 - Spill Prevention - None
K00 - Spill Prevention - None
B00 - Tank External Protection - None
K00 - Spill Prevention - None
K00 - Spill Prevention - None
I02 - Overfill - High Level Alarm
I02 - Overfill - High Level Alarm
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
C02 - Pipe Location - Underground/On-ground
D01 - Pipe Type - Steel/Carbon Steel/Iron

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
C03 - Pipe Location - Aboveground/Underground Combination
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
C03 - Pipe Location - Aboveground/Underground Combination
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
I03 - Overfill - Automatic Shut-Off
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None
K00 - Spill Prevention - None
B00 - Tank External Protection - None
B00 - Tank External Protection - None
B00 - Tank External Protection - None
I00 - Overfill - None
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None

Tank Info:

Tank Number:	008
Tank Id:	27082
Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1962-12-01 00:00:00
Capacity Gallons:	7500
Tightness Test Method:	21
Date Test:	2010-09-01 00:00:00
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	2010-10-20 00:00:00

Tank Number:	DT-1
Tank Id:	223212
Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1999-09-03 00:00:00
Capacity Gallons:	300
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Date Tank Closed:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	2009-02-13 00:00:00

Tank Number:	DT-2
Tank Id:	227330
Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1999-09-03 00:00:00
Capacity Gallons:	30
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	2009-02-13 00:00:00

Tank Number:	DT-3
Tank Id:	223214
Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1999-09-03 00:00:00
Capacity Gallons:	275
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	2009-02-13 00:00:00

Tank Number:	DT-4
Tank Id:	223215
Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1999-09-03 00:00:00
Capacity Gallons:	50
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	NRLOMBAR

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Last Modified:	2009-02-13 00:00:00

Tank Number:	DT-5
Tank Id:	223216
Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1999-09-03 00:00:00
Capacity Gallons:	55
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	2009-02-13 00:00:00

Tank Number:	G-1
Tank Id:	227331
Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	2006-01-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	2009-02-13 00:00:00

Tank Number:	G-2
Tank Id:	227332
Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1995-09-03 00:00:00
Capacity Gallons:	100
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	2009-02-13 00:00:00

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Tank Number:	M-1
Tank Id:	227333
Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	2008-12-01 00:00:00
Capacity Gallons:	150
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	2009-02-13 00:00:00

Tank Number:	N-3
Tank Id:	223217
Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	2006-01-01 00:00:00
Capacity Gallons:	275
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	2009-02-13 00:00:00

NJ MANIFEST:

Manifest Code:	000212445VES
EPA ID:	NYD980645774
Date Shipped:	05/20/09
TSDF EPA ID:	NJD980536593
Transporter EPA ID:	NJD080631369
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	05/20/09
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 05/20/09
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Data Entry Number: Not reported
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: D002
Manifest Year: 2009 New Jersey Manifest Data
Quantity: 30
Unit: P
Hand Code: H141

Waste Code: F002
Manifest Year: 2009 New Jersey Manifest Data
Quantity: 300
Unit: P
Hand Code: H141

Waste Code: D002
Manifest Year: 2009 New Jersey Manifest Data
Quantity: 40
Unit: P
Hand Code: H141

Waste Code: D003
Manifest Year: 2009 New Jersey Manifest Data
Quantity: 2
Unit: P
Hand Code: H141

Waste Code: D003
Manifest Year: 2009 New Jersey Manifest Data
Quantity: 10
Unit: P
Hand Code: H141

Waste Code: D001
Manifest Year: 2009 New Jersey Manifest Data
Quantity: 3
Unit: P
Hand Code: H141

Waste Code: D002
Manifest Year: 2009 New Jersey Manifest Data
Quantity: 10
Unit: P
Hand Code: H141

Waste Code: D004
Manifest Year: 2009 New Jersey Manifest Data
Quantity: 3
Unit: P
Hand Code: H141

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Waste Code: D001
Manifest Year: 2009 New Jersey Manifest Data
Quantity: 30
Unit: P
Hand Code: H141

Waste Code: D010
Manifest Year: 2009 New Jersey Manifest Data
Quantity: 3
Unit: P
Hand Code: H141

Waste Code: F003
Manifest Year: 2009 New Jersey Manifest Data
Quantity: 30
Unit: P
Hand Code: H141

Waste Code: D003
Manifest Year: 2009 New Jersey Manifest Data
Quantity: 1
Unit: P
Hand Code: H141

Waste Code: F003
Manifest Year: 2009 New Jersey Manifest Data
Quantity: 400
Unit: P
Hand Code: H141

Waste Code: U069
Manifest Year: 2009 New Jersey Manifest Data
Quantity: 30
Unit: P
Hand Code: H141

Waste Code: D003
Manifest Year: 2009 New Jersey Manifest Data
Quantity: 30
Unit: P
Hand Code: H141

Waste Code: U123
Manifest Year: 2009 New Jersey Manifest Data
Quantity: 30
Unit: P
Hand Code: H141

Waste Code: D002
Manifest Year: 2009 New Jersey Manifest Data
Quantity: 20
Unit: P
Hand Code: H141

Waste Code: F003
Manifest Year: 2009 New Jersey Manifest Data
Quantity: 600

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Unit: P
Hand Code: H141

Waste Code: U044
Manifest Year: 2009 New Jersey Manifest Data
Quantity: 40
Unit: P
Hand Code: H141

Manifest Code: 002120454SKS
EPA ID: NYD980645774
Date Shipped: 10/05/09
TSDF EPA ID: NJD982270506
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 10/05/09
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 10/08/09
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Data Entry Number: Not reported
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: D001
Manifest Year: 2009 New Jersey Manifest Data
Quantity: 12
Unit: G
Hand Code: H141

Manifest Code: 000347555VES
EPA ID: NYD980645774
Date Shipped: 09/23/09
TSDF EPA ID: NJD980536593
Transporter EPA ID: NJD080631369
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	09/23/09
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	09/23/09
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported

Waste Code: U122
Manifest Year: 2009 New Jersey Manifest Data
Quantity: 300
Unit: P
Hand Code: H141

Waste Code: D022
Manifest Year: 2009 New Jersey Manifest Data
Quantity: 5
Unit: P
Hand Code: H141

Waste Code: F003
Manifest Year: 2009 New Jersey Manifest Data
Quantity: 600
Unit: P
Hand Code: H141

Waste Code: F002
Manifest Year: 2009 New Jersey Manifest Data
Quantity: 20
Unit: P
Hand Code: H141

Waste Code: D001
Manifest Year: 2009 New Jersey Manifest Data
Quantity: 5
Unit: P
Hand Code: H141

Waste Code: D003
Manifest Year: 2009 New Jersey Manifest Data
Quantity: 5
Unit: P
Hand Code: H141

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Waste Code: U007
Manifest Year: 2009 New Jersey Manifest Data
Quantity: 30
Unit: P
Hand Code: H141

Waste Code: D003
Manifest Year: 2009 New Jersey Manifest Data
Quantity: 30
Unit: P
Hand Code: H141

Waste Code: D003
Manifest Year: 2009 New Jersey Manifest Data
Quantity: 1
Unit: P
Hand Code: H141

Manifest Code: NJA4149881
EPA ID: NYD980645774
Date Shipped: 20040922
TSDF EPA ID: NJD980536593
Transporter EPA ID: NJD080631369
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 040922
Date Trans2 Transported Waste: 000000
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 040922
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Data Entry Number: 12070425
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Manifest Code:	NJA4122832
EPA ID:	NYD980645774
Date Shipped:	20040921
TSDF EPA ID:	NJD980536593
Transporter EPA ID:	NJD080631369
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	040921
Date Trans2 Transported Waste:	000000
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	040921
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Data Entry Number:	10190421
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

Manifest Code:	NJA2716780
EPA ID:	NYD980645774
Date Shipped:	20040825
TSDF EPA ID:	NJD980536593
Transporter EPA ID:	NJD080631369
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	040825
Date Trans2 Transported Waste:	000000
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 040825
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Data Entry Number: 09270421
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: 000266299VES
EPA ID: NYD980645774
Date Shipped: 6/25/2008
TSDF EPA ID: NJD980536593
Transporter EPA ID: NJD080631369
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 6/25/2008
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 6/25/2008
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Data Entry Number: Not reported
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: D005
Manifest Year: 2008 New Jersey Manifest Data
Quantity: 5
Unit: P
Hand Code: H141

Waste Code: U069
Manifest Year: 2008 New Jersey Manifest Data

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Quantity: 5
Unit: P
Hand Code: H141

Waste Code: D003
Manifest Year: 2008 New Jersey Manifest Data
Quantity: 30
Unit: P
Hand Code: H141

Waste Code: D001
Manifest Year: 2008 New Jersey Manifest Data
Quantity: 200
Unit: P
Hand Code: H141

Waste Code: F002
Manifest Year: 2008 New Jersey Manifest Data
Quantity: 300
Unit: P
Hand Code: H141

Waste Code: D001
Manifest Year: 2008 New Jersey Manifest Data
Quantity: 25
Unit: P
Hand Code: H141

Waste Code: U133
Manifest Year: 2008 New Jersey Manifest Data
Quantity: 10
Unit: P
Hand Code: H141

Waste Code: U134
Manifest Year: 2008 New Jersey Manifest Data
Quantity: 5
Unit: P
Hand Code: H141

Waste Code: F003
Manifest Year: 2008 New Jersey Manifest Data
Quantity: 300
Unit: P
Hand Code: H141

Waste Code: D001
Manifest Year: 2008 New Jersey Manifest Data
Quantity: 30
Unit: P
Hand Code: H141

Waste Code: D003
Manifest Year: 2008 New Jersey Manifest Data
Quantity: 5
Unit: P
Hand Code: H141

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Waste Code: D009
Manifest Year: 2008 New Jersey Manifest Data
Quantity: 5
Unit: P
Hand Code: H141

Waste Code: D002
Manifest Year: 2008 New Jersey Manifest Data
Quantity: 30
Unit: P
Hand Code: H141

Manifest Code: 000225913VES
EPA ID: NYD980645774
Date Shipped: 5/28/2008
TSDF EPA ID: NJD980536593
Transporter EPA ID: NJD080631369
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 5/28/2008
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 5/28/2008
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Data Entry Number: Not reported
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: D003
Manifest Year: 2008 New Jersey Manifest Data
Quantity: 25
Unit: P
Hand Code: H141

Waste Code: F003
Manifest Year: 2008 New Jersey Manifest Data
Quantity: 400
Unit: P
Hand Code: H141

Waste Code: F002

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Manifest Year: 2008 New Jersey Manifest Data
Quantity: 200
Unit: P
Hand Code: H141

Waste Code: U007
Manifest Year: 2008 New Jersey Manifest Data
Quantity: 30
Unit: P
Hand Code: H141

Waste Code: F005
Manifest Year: 2008 New Jersey Manifest Data
Quantity: 25
Unit: P
Hand Code: H141

Waste Code: U188
Manifest Year: 2008 New Jersey Manifest Data
Quantity: 5
Unit: P
Hand Code: H141

Manifest Code: 000214240VES
EPA ID: NYD980645774
Date Shipped: 1/30/2008
TSDF EPA ID: NJD980536593
Transporter EPA ID: NJD080631369
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 1/30/2008
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 1/30/2008
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Data Entry Number: Not reported
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: F003
Manifest Year: 2008 New Jersey Manifest Data

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Quantity: 900
Unit: P
Hand Code: H141

Waste Code: D003
Manifest Year: 2008 New Jersey Manifest Data
Quantity: 20
Unit: P
Hand Code: H141

Waste Code: P075
Manifest Year: 2008 New Jersey Manifest Data
Quantity: 50
Unit: P
Hand Code: H141

Waste Code: F003
Manifest Year: 2008 New Jersey Manifest Data
Quantity: 400
Unit: P
Hand Code: H141

Waste Code: D003
Manifest Year: 2008 New Jersey Manifest Data
Quantity: 1
Unit: P
Hand Code: H141

Waste Code: P012
Manifest Year: 2008 New Jersey Manifest Data
Quantity: 1
Unit: P
Hand Code: H141

Waste Code: F002
Manifest Year: 2008 New Jersey Manifest Data
Quantity: 600
Unit: P
Hand Code: H141

Waste Code: D001
Manifest Year: 2008 New Jersey Manifest Data
Quantity: 5
Unit: P
Hand Code: H141

Waste Code: U007
Manifest Year: 2008 New Jersey Manifest Data
Quantity: 30
Unit: P
Hand Code: H141

Waste Code: P119
Manifest Year: 2008 New Jersey Manifest Data
Quantity: 5
Unit: P
Hand Code: H141

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Waste Code: D001
Manifest Year: 2008 New Jersey Manifest Data
Quantity: 300
Unit: P
Hand Code: H141

Waste Code: D003
Manifest Year: 2008 New Jersey Manifest Data
Quantity: 2
Unit: P
Hand Code: H141

Waste Code: D002
Manifest Year: 2008 New Jersey Manifest Data
Quantity: 20
Unit: P
Hand Code: H141

Waste Code: P105
Manifest Year: 2008 New Jersey Manifest Data
Quantity: 1
Unit: P
Hand Code: H141

Waste Code: U122
Manifest Year: 2008 New Jersey Manifest Data
Quantity: 300
Unit: P
Hand Code: H141

Waste Code: U123
Manifest Year: 2008 New Jersey Manifest Data
Quantity: 10
Unit: P
Hand Code: H141

Waste Code: D001
Manifest Year: 2008 New Jersey Manifest Data
Quantity: 10
Unit: P
Hand Code: H141

Manifest Code: NJA5320696
EPA ID: NYD980645774
Date Shipped: 20060531
TSDF EPA ID: NJD980536593
Transporter EPA ID: NJD080631369
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Date Trans1 Transported Waste:	060531
Date Trans2 Transported Waste:	000000
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	060531
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Data Entry Number:	07170622
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

Manifest Code:	NJA5320983
EPA ID:	NYD980645774
Date Shipped:	20060726
TSDF EPA ID:	NJD980536593
Transporter EPA ID:	NJD080631369
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	060726
Date Trans2 Transported Waste:	000000
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	060726
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Data Entry Number:	08250621
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: 000160993VES
EPA ID: NYD980645774
Date Shipped: 10/31/20
TSDF EPA ID: NJD980536593
Transporter EPA ID: NJD080631369
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 10/31/
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 10/31/
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Data Entry Number: Not reported
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: 000859958SKS
EPA ID: NYD980645774
Date Shipped: 10/3/200
TSDF EPA ID: NJD982270506
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Date Trans1 Transported Waste:	10/3/2
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	10/3/2
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

Manifest Code:	000111805VES
EPA ID:	NYD980645774
Date Shipped:	9/19/200
TSDF EPA ID:	NJD980536593
Transporter EPA ID:	NJD080631369
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	9/19/2
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	9/19/2
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	U044
Manifest Year:	2007 New Jersey Manifest Data

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Quantity: 30
Unit: P
Hand Code: H14

Waste Code: D002
Manifest Year: 2007 New Jersey Manifest Data
Quantity: 20
Unit: P
Hand Code: H14

Waste Code: F003
Manifest Year: 2007 New Jersey Manifest Data
Quantity: 30
Unit: P
Hand Code: H14

Waste Code: F003
Manifest Year: 2007 New Jersey Manifest Data
Quantity: 25
Unit: P
Hand Code: H14

Waste Code: P105
Manifest Year: 2007 New Jersey Manifest Data
Quantity: 1
Unit: P
Hand Code: H14

Waste Code: F003
Manifest Year: 2007 New Jersey Manifest Data
Quantity: 600
Unit: P
Hand Code: H14

Waste Code: F003
Manifest Year: 2007 New Jersey Manifest Data
Quantity: 10
Unit: P
Hand Code: H14

Waste Code: D002
Manifest Year: 2007 New Jersey Manifest Data
Quantity: 30
Unit: P
Hand Code: H14

Waste Code: D003
Manifest Year: 2007 New Jersey Manifest Data
Quantity: 5
Unit: P
Hand Code: H14

Waste Code: F003
Manifest Year: 2007 New Jersey Manifest Data
Quantity: 350
Unit: P
Hand Code: H14

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Manifest Code:	000017759VES
EPA ID:	NYD980645774
Date Shipped:	5/23/200
TSDF EPA ID:	NJD980536593
Transporter EPA ID:	NJD080631369
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	5/23/2
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	5/23/2
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported

Waste Code:	D003
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	40
Unit:	P
Hand Code:	H14

Waste Code:	U123
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	1
Unit:	P
Hand Code:	H14

Waste Code:	F002
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	200
Unit:	P
Hand Code:	H14

Waste Code:	D002
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	10
Unit:	P
Hand Code:	H14

Waste Code:	D010
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	1

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Unit: P
Hand Code: H14

Waste Code: U122
Manifest Year: 2007 New Jersey Manifest Data
Quantity: 200
Unit: P
Hand Code: H14

Waste Code: D003
Manifest Year: 2007 New Jersey Manifest Data
Quantity: 1
Unit: P
Hand Code: H14

Waste Code: F003
Manifest Year: 2007 New Jersey Manifest Data
Quantity: 400
Unit: P
Hand Code: H14

Waste Code: F003
Manifest Year: 2007 New Jersey Manifest Data
Quantity: 600
Unit: P
Hand Code: H14

Waste Code: D001
Manifest Year: 2007 New Jersey Manifest Data
Quantity: 5
Unit: P
Hand Code: H14

Waste Code: D002
Manifest Year: 2007 New Jersey Manifest Data
Quantity: 40
Unit: P
Hand Code: H14

Waste Code: U007
Manifest Year: 2007 New Jersey Manifest Data
Quantity: 40
Unit: P
Hand Code: H14

Waste Code: D001
Manifest Year: 2007 New Jersey Manifest Data
Quantity: 40
Unit: P
Hand Code: H14

Waste Code: D001
Manifest Year: 2007 New Jersey Manifest Data
Quantity: 1
Unit: P
Hand Code: H14

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Manifest Code:	000400621VES
EPA ID:	NYD980645774
Date Shipped:	09/15/10
TSDF EPA ID:	NJD980536593
Transporter EPA ID:	NJD080631369
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	09/15/10
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	09/20/10
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported

Waste Code:	F003
Manifest Year:	2010 New Jersey Manifest Data
Quantity:	15
Unit:	P
Hand Code:	H141

Waste Code:	D002
Manifest Year:	2010 New Jersey Manifest Data
Quantity:	10
Unit:	P
Hand Code:	H141

Waste Code:	F003
Manifest Year:	2010 New Jersey Manifest Data
Quantity:	400
Unit:	P
Hand Code:	H141

Waste Code:	D009
Manifest Year:	2010 New Jersey Manifest Data
Quantity:	39
Unit:	P
Hand Code:	H141

Waste Code:	D001
Manifest Year:	2010 New Jersey Manifest Data
Quantity:	18

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Unit: P
Hand Code: H141

Waste Code: U007
Manifest Year: 2010 New Jersey Manifest Data
Quantity: 36
Unit: P
Hand Code: H141

Waste Code: D001
Manifest Year: 2010 New Jersey Manifest Data
Quantity: 36
Unit: P
Hand Code: H141

Waste Code: F003
Manifest Year: 2010 New Jersey Manifest Data
Quantity: 24
Unit: P
Hand Code: H141

Waste Code: D003
Manifest Year: 2010 New Jersey Manifest Data
Quantity: 1
Unit: P
Hand Code: H141

Waste Code: F003
Manifest Year: 2010 New Jersey Manifest Data
Quantity: 40
Unit: P
Hand Code: H141

Waste Code: D001
Manifest Year: 2010 New Jersey Manifest Data
Quantity: 3
Unit: P
Hand Code: H141

Waste Code: D001
Manifest Year: 2010 New Jersey Manifest Data
Quantity: 4
Unit: P
Hand Code: H141

Waste Code: U404
Manifest Year: 2010 New Jersey Manifest Data
Quantity: 1
Unit: P
Hand Code: H141

Waste Code: U122
Manifest Year: 2010 New Jersey Manifest Data
Quantity: 32
Unit: P
Hand Code: H141

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Manifest Code:	003871672FLE
EPA ID:	NYD980645774
Date Shipped:	10/11/10
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	10/11/10
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	10/14/10
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D001
Manifest Year:	2010 New Jersey Manifest Data
Quantity:	20
Unit:	G
Hand Code:	H020

Manifest Code:	000462279VES
EPA ID:	NYD980645774
Date Shipped:	03/17/10
TSDF EPA ID:	NJD980536593
Transporter EPA ID:	NJD080631369
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	03/17/10
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 03/17/10
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Data Entry Number: Not reported
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: D002
Manifest Year: 2010 New Jersey Manifest Data
Quantity: 1
Unit: P
Hand Code: H141

Waste Code: D003
Manifest Year: 2010 New Jersey Manifest Data
Quantity: 1
Unit: P
Hand Code: H141

Waste Code: F003
Manifest Year: 2010 New Jersey Manifest Data
Quantity: 600
Unit: P
Hand Code: H141

Waste Code: D002
Manifest Year: 2010 New Jersey Manifest Data
Quantity: 30
Unit: P
Hand Code: H141

Waste Code: D003
Manifest Year: 2010 New Jersey Manifest Data
Quantity: 10
Unit: P
Hand Code: H141

Waste Code: D002
Manifest Year: 2010 New Jersey Manifest Data
Quantity: 10
Unit: P
Hand Code: H141

Waste Code: D001
Manifest Year: 2010 New Jersey Manifest Data
Quantity: 20
Unit: P
Hand Code: H141

Waste Code: U188
Manifest Year: 2010 New Jersey Manifest Data
Quantity: 20
Unit: P

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Hand Code: H141

Waste Code: F003
Manifest Year: 2010 New Jersey Manifest Data
Quantity: 30
Unit: P
Hand Code: H141

Waste Code: D002
Manifest Year: 2010 New Jersey Manifest Data
Quantity: 60
Unit: P
Hand Code: H141

Manifest Code: 000347852VES
EPA ID: NYD980645774
Date Shipped: 01/20/10
TSDF EPA ID: NJD980536593
Transporter EPA ID: NJD080631369
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 01/20/10
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 01/20/10
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Data Entry Number: Not reported
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: D009
Manifest Year: 2010 New Jersey Manifest Data
Quantity: 1
Unit: P
Hand Code: H141

Waste Code: D001
Manifest Year: 2010 New Jersey Manifest Data
Quantity: 20
Unit: P
Hand Code: H141

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Waste Code: D001
Manifest Year: 2010 New Jersey Manifest Data
Quantity: 60
Unit: P
Hand Code: H141

Waste Code: D001
Manifest Year: 2010 New Jersey Manifest Data
Quantity: 1
Unit: P
Hand Code: H141

Waste Code: U188
Manifest Year: 2010 New Jersey Manifest Data
Quantity: 30
Unit: P
Hand Code: H141

Waste Code: F003
Manifest Year: 2010 New Jersey Manifest Data
Quantity: 30
Unit: P
Hand Code: H141

Waste Code: U021
Manifest Year: 2010 New Jersey Manifest Data
Quantity: 1
Unit: P
Hand Code: H141

Waste Code: D003
Manifest Year: 2010 New Jersey Manifest Data
Quantity: 1
Unit: P
Hand Code: H141

Waste Code: D003
Manifest Year: 2010 New Jersey Manifest Data
Quantity: 2
Unit: P
Hand Code: H141

Waste Code: U122
Manifest Year: 2010 New Jersey Manifest Data
Quantity: 300
Unit: P
Hand Code: H141

Waste Code: D003
Manifest Year: 2010 New Jersey Manifest Data
Quantity: 25
Unit: P
Hand Code: H141

Waste Code: U088
Manifest Year: 2010 New Jersey Manifest Data
Quantity: 25

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Unit: P
Hand Code: H141

Waste Code: U088
Manifest Year: 2010 New Jersey Manifest Data
Quantity: 30
Unit: P
Hand Code: H141

Waste Code: D003
Manifest Year: 2010 New Jersey Manifest Data
Quantity: 20
Unit: P
Hand Code: H141

Waste Code: F003
Manifest Year: 2010 New Jersey Manifest Data
Quantity: 300
Unit: P
Hand Code: H141

Waste Code: F003
Manifest Year: 2010 New Jersey Manifest Data
Quantity: 400
Unit: P
Hand Code: H141

Waste Code: U134
Manifest Year: 2010 New Jersey Manifest Data
Quantity: 5
Unit: P
Hand Code: H141

Waste Code: U123
Manifest Year: 2010 New Jersey Manifest Data
Quantity: 20
Unit: P
Hand Code: H141

Waste Code: F002
Manifest Year: 2010 New Jersey Manifest Data
Quantity: 300
Unit: P
Hand Code: H141

Waste Code: D002
Manifest Year: 2010 New Jersey Manifest Data
Quantity: 25
Unit: P
Hand Code: H141

Manifest Code: 000462139VES
EPA ID: NYD980645774
Date Shipped: 02/17/10
TSDF EPA ID: NJD980536593

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Transporter EPA ID:	NJD080631369
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	02/17/10
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	02/17/10
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported

Waste Code:	F003
Manifest Year:	2010 New Jersey Manifest Data
Quantity:	300
Unit:	P
Hand Code:	H141

Waste Code:	D001
Manifest Year:	2010 New Jersey Manifest Data
Quantity:	2
Unit:	P
Hand Code:	H141

Waste Code:	F003
Manifest Year:	2010 New Jersey Manifest Data
Quantity:	25
Unit:	P
Hand Code:	H141

Waste Code:	P105
Manifest Year:	2010 New Jersey Manifest Data
Quantity:	1
Unit:	P
Hand Code:	H141

Waste Code:	F003
Manifest Year:	2010 New Jersey Manifest Data
Quantity:	5
Unit:	P
Hand Code:	H141

Waste Code:	D001

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1000219154**

Manifest Year: 2010 New Jersey Manifest Data
Quantity: 5
Unit: P
Hand Code: H141

Waste Code: D003
Manifest Year: 2010 New Jersey Manifest Data
Quantity: 1
Unit: P
Hand Code: H141

Waste Code: D002
Manifest Year: 2010 New Jersey Manifest Data
Quantity: 5
Unit: P
Hand Code: H141

Waste Code: D001
Manifest Year: 2010 New Jersey Manifest Data
Quantity: 15
Unit: P
Hand Code: H141

Waste Code: U007
Manifest Year: 2010 New Jersey Manifest Data
Quantity: 20
Unit: P
Hand Code: H141

Waste Code: D001
Manifest Year: 2010 New Jersey Manifest Data
Quantity: 1
Unit: P
Hand Code: H141

Waste Code: F002
Manifest Year: 2010 New Jersey Manifest Data
Quantity: 300
Unit: P
Hand Code: H141

J41 **ALBERT EINSTEIN COLLEGE OF MEDICINE AT** **RCRA-NonGen** **1007205963**
SW **NDL ORGANIZATION, INCOPRATED** **MANIFEST** **NYP000950972**
1/8-1/4 **PEEKSKILL, NY 10461**
0.221 mi.
1169 ft. **Site 3 of 10 in cluster J**

Relative:
Equal

Actual:
21 ft.

RCRA-NonGen:
Date form received by agency: 02/23/2002
Facility name: ALBERT EINSTEIN COLLEGE OF MEDICINE AT
Facility address: NDL ORGANIZATION, INCOPRATED
1000 LOWER SOUTH ST
PEEKSKILL, NY 10461
EPA ID: NYP000950972
Mailing address: MORRIS PARK AVE FORCH 8001000
LOWER SOUTH ST

ALBERT EINSTEIN COLLEGE OF MEDICINE AT (Continued) **1007205963**

	BRONX, NY 10461
Contact:	DELIA VIEIRA-CRUZ
Contact address:	MORRIS PARK AVE FORCH 8001000
	BRONX, NY 10461
Contact country:	US
Contact telephone:	(718) 430-4150
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	02/22/2002
Facility name:	ALBERT EINSTEIN COLLEGE OF MEDICINE AT
Classification:	Not a generator, verified
Date form received by agency:	02/21/2002
Facility name:	ALBERT EINSTEIN COLLEGE OF MEDICINE AT
Classification:	Large Quantity Generator
Violation Status:	No violations found

NY MANIFEST:

EPA ID:	NYP000950972
Country:	USA
Mailing Name:	ALBERT EINSTEIN COLLEGE OF MEDICINE
Mailing Contact:	DELIA VIEIRA-CRUZ
Mailing Address:	1300 MORRIS PK AVE-RESNICK CMP
Mailing Address 2:	Not reported
Mailing City:	BRONX
Mailing State:	NY
Mailing Zip:	10461
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-430-3560
Document ID:	NYB9295425
Manifest Status:	Not reported
Trans1 State ID:	OHD009865825

ALBERT EINSTEIN COLLEGE OF MEDICINE AT (Continued) **1007205963**

Trans2 State ID:	Not reported
Generator Ship Date:	10/24/2001
Trans1 Recv Date:	10/24/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/26/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP000950972
Trans1 EPA ID:	FLD980711071
Trans2 EPA ID:	Not reported
TSDF ID:	OHP386KF
Waste Code:	F003 - UNKNOWN
Quantity:	02104
Units:	P - Pounds
Number of Containers:	010
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	F003 - UNKNOWN
Quantity:	00232
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2001

J42 **ALBERT EINSTEIN COLLEGE OF MEDICINE** **MANIFEST** **S106534406**
SW **1300 MORRIS PARK AVENUE** **NY Spills** **N/A**
1/8-1/4 **BRONX, NY 10461** **AIRS**
0.221 mi.
1169 ft. **Site 4 of 10 in cluster J**

Relative:
Equal

Actual:
21 ft.

NY MANIFEST:

EPA ID:	NYD980645774
Country:	USA
Mailing Name:	ALBERT EINSTEIN COLLEGE OF MEDICINE
Mailing Contact:	DELIA VIEIRA-CRUZ
Mailing Address:	1300 MORRIS PARK AVENUE
Mailing Address 2:	Not reported
Mailing City:	BRONX
Mailing State:	NY
Mailing Zip:	10461
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-430-3560

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2010-02-17
Trans1 Recv Date:	2010-02-17
Trans2 Recv Date:	2010-02-17
TSD Site Recv Date:	2010-02-17
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Generator EPA ID:	NYD980645774
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	20.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	000462139VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2010-03-17
Trans1 Recv Date:	2010-03-17
Trans2 Recv Date:	2010-03-17
TSD Site Recv Date:	2010-03-17
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD980645774
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	10.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	000462279VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2010-01-20
Trans1 Recv Date:	2010-01-20
Trans2 Recv Date:	2010-01-20
TSD Site Recv Date:	2010-01-20
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD980645774
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	1.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	000347852VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2010-02-17
Trans1 Recv Date:	2010-02-17
Trans2 Recv Date:	2010-02-17
TSD Site Recv Date:	2010-02-17
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD980645774
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	25.0

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	000462139VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2010-03-17
Trans1 Recv Date:	2010-03-17
Trans2 Recv Date:	2010-03-17
TSD Site Recv Date:	2010-03-17
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD980645774
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	1.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	000462279VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2010-03-17
Trans1 Recv Date:	2010-03-17
Trans2 Recv Date:	2010-03-17
TSD Site Recv Date:	2010-03-17
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD980645774
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	1.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	000462279VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2010-03-17
Trans1 Recv Date:	2010-03-17
Trans2 Recv Date:	2010-03-17
TSD Site Recv Date:	2010-03-17
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD980645774
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	30.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2010

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Manifest Tracking Num:	000462279VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2010-01-20
Trans1 Recv Date:	2010-01-20
Trans2 Recv Date:	2010-01-20
TSD Site Recv Date:	2010-01-20
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD980645774
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	1.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	000347852VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2010-03-17
Trans1 Recv Date:	2010-03-17
Trans2 Recv Date:	2010-03-17

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

TSD Site Recv Date:	2010-03-17
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD980645774
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	20.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	000462279VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2010-03-17
Trans1 Recv Date:	2010-03-17
Trans2 Recv Date:	2010-03-17
TSD Site Recv Date:	2010-03-17
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD980645774
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	1.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	000462279VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2010-01-20
Trans1 Recv Date:	2010-01-20
Trans2 Recv Date:	2010-01-20
TSD Site Recv Date:	2010-01-20
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD980645774
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	1.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	000347852VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2010-01-20
Trans1 Recv Date:	2010-01-20
Trans2 Recv Date:	2010-01-20
TSD Site Recv Date:	2010-01-20
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD980645774
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	1.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	000347852VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2010-02-17
Trans1 Recv Date:	2010-02-17
Trans2 Recv Date:	2010-02-17
TSD Site Recv Date:	2010-02-17
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD980645774
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	1.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	000462139VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2010-03-17
Trans1 Recv Date:	2010-03-17
Trans2 Recv Date:	2010-03-17
TSD Site Recv Date:	2010-03-17
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD980645774
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	1.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	000462279VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2010-01-20
Trans1 Recv Date:	2010-01-20
Trans2 Recv Date:	2010-01-20
TSD Site Recv Date:	2010-01-20
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD980645774
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	1.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Year:	2010
Manifest Tracking Num:	000347852VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2010-01-20
Trans1 Recv Date:	2010-01-20
Trans2 Recv Date:	2010-01-20
TSD Site Recv Date:	2010-01-20
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD980645774
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	1.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	000347852VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2010-02-17
Trans1 Recv Date:	2010-02-17

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Trans2 Recv Date:	2010-02-17
TSD Site Recv Date:	2010-02-17
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD980645774
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	15.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	000462139VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2010-02-17
Trans1 Recv Date:	2010-02-17
Trans2 Recv Date:	2010-02-17
TSD Site Recv Date:	2010-02-17
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD980645774
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	300.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	000462139VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2010-03-17
Trans1 Recv Date:	2010-03-17
Trans2 Recv Date:	2010-03-17
TSD Site Recv Date:	2010-03-17
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD980645774
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	30.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	000462279VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2010-03-17
Trans1 Recv Date:	2010-03-17
Trans2 Recv Date:	2010-03-17
TSD Site Recv Date:	2010-03-17
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD980645774
Trans1 EPA ID:	Not reported

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	10.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	000462279VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Click this hyperlink while viewing on your computer to access
720 additional NY_MANIFEST: record(s) in the EDR Site Report.

NY Spills:

Site ID:	447687
Facility Addr2:	Not reported
Facility ID:	1100290
Spill Number:	1100290
Facility Type:	ER
SWIS:	0301
Investigator:	HRPATEL
Referred To:	Not reported
Spill Date:	4/8/2011
Reported to Dept:	4/8/2011
CID:	Not reported
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	4/18/2011
Remediation Phase:	0
Date Entered In Computer:	4/8/2011
Spill Record Last Update:	4/18/2011
Spiller Name:	Not reported
Spiller Company:	ALBERT EINSTEIN COLLEGE OF MEDICINE
Spiller Address:	Not reported
Spiller City,St,Zip:	NY

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Spiller Company:	999
Contact Name:	JOHN SHERWOOD
Contact Phone:	(856) 303-2203
DEC Region:	2
DER Facility ID:	402284
DEC Memo:	04/15/11-Hiralkumar Patel. 2:34 PM:- spoke with Thomas Anderson (718-652-0200) at Metro Environ mental. he asked to contact John Sherwood at Tyree, who hired Metro to pin point leak in a line. 2:39 PM:- left message for John at Tyree. John Sherwood Tyree P h. (856) 303-2203 (O) (631) 796-6702 (C) 3:49 PM:- received call from John from Tyr ee. he mentioned that the site has three 25,000 gal #6 oil tanks. tanks and associated lines were installed in 1959. recently, there were contacted for proposal for replacement of three remote fill lines. John mentioned that tanks have cathodic protection. while replacement of in-service remote fill line, property management decided to check an old abandoned remote fill line (for either re-use or removal while working on three other lines). during inspection, water found in line. no actual release observed. this old remote fill line was abandoned about 17 years ago. informed John that as no actual release found, this case will be c losed. asked him to report a new spill number, if finds contamination during actual work.
Remarks:	Caller advised found water in old abandoned fill line.

Material:

Site ID:	447687
Operable Unit ID:	1197892
Operable Unit:	01
Material ID:	2194168
Material Code:	0003
Material Name:	#6 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

AIRS:

Permit Type:	Air Title V Facility
Permit Status:	Issued
Issue Date:	2010-06-04
Expiration Date:	2015-06-06
County Fips:	Not reported
DEC Id:	2600500133
Emission Unit Id:	Not reported
Process Id:	Not reported
Contaminant Name/cas:	Not reported
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	Not reported
Unit:	Not reported

Detail:

Year:	2009
DECID:	2600500133
Facility Name:	ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #:	007782492
Contaminant:	SELENIUM
Amount (Lbs/Yr):	1.18948750822894E-02

Year:	2009
DECID:	2600500133
Facility Name:	ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #:	007664417
Contaminant:	AMMONIA
Amount (Lbs/Yr):	272.96857

Year:	2009
DECID:	2600500133
Facility Name:	ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #:	025321226
Contaminant:	DICHLOROBENZENE
Amount (Lbs/Yr):	0.40207616535075

Year:	2009
DECID:	2600500133
Facility Name:	ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #:	0NY075025
Contaminant:	PM 2.5
Amount (Lbs/Yr):	4212.52341662911

Year:	2009
DECID:	2600500133
Facility Name:	ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #:	0NY075105
Contaminant:	UNSPECIATED PM-10 (EMISSION STATEMENT USE ONLY)
Amount (Lbs/Yr):	70.27149592

Year:	2009
DECID:	2600500133
Facility Name:	ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #:	0NY210000
Contaminant:	OXIDES OF NITROGEN
Amount (Lbs/Yr):	49537.7588

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 0NY998100
Contaminant: UNSPECIATED VOC (EMISSION STATEMENT USE ONLY)
Amount (Lbs/Yr): 478.994227712

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000050000
Contaminant: FORMALDEHYDE
Amount (Lbs/Yr): 26.6268027344219

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000050328
Contaminant: BENZO(A)PYRENE
Amount (Lbs/Yr): 6.4058796535075E-04

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000053703
Contaminant: DIBENZ[A,H]ANTHRACENE
Amount (Lbs/Yr): 1.14171656535075E-03

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000056553
Contaminant: BENZO(A)ANTHRACENE
Amount (Lbs/Yr): 2.73449664802613E-03

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000071432
Contaminant: BENZENE
Amount (Lbs/Yr): 1.88731172936381

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000074828
Contaminant: METHANE
Amount (Lbs/Yr): 1168.2635

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000074840
Contaminant: ETHANE
Amount (Lbs/Yr): 1545.2663

Year: 2009

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000074986
Contaminant: PROPANE
Amount (Lbs/Yr): 536.101553801001

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000075070
Contaminant: ACETALDEHYDE
Amount (Lbs/Yr): 0.97307756

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000083329
Contaminant: ACENAPHTHENE
Amount (Lbs/Yr): 2.6933696558903E-03

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000085018
Contaminant: PHENANTHRENE
Amount (Lbs/Yr): 4.29952710091356E-02

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000086737
Contaminant: FLUORENE
Amount (Lbs/Yr): 3.84276069204804E-02

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000091203
Contaminant: NAPHTHALENE
Amount (Lbs/Yr): 0.311972781386631

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000091576
Contaminant: 2-METHYL NAPHTHALENE
Amount (Lbs/Yr): 1.18948750822894E-02

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000106978
Contaminant: BUTANE
Amount (Lbs/Yr): 703.633289363813

Year: 2009
DECID: 2600500133

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000106990
Contaminant: 1,3-BUTADIENE
Amount (Lbs/Yr): 0.049605388

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000107028
Contaminant: ACROLEIN
Amount (Lbs/Yr): 0.1173529

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000108883
Contaminant: TOLUENE
Amount (Lbs/Yr): 1.65810592182713

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000109660
Contaminant: PENTANE
Amount (Lbs/Yr): 871.165024926626

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000110543
Contaminant: HEXANE
Amount (Lbs/Yr): 603.114248026126

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000115071
Contaminant: PROPYLENE
Amount (Lbs/Yr): 3.2731944

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000120127
Contaminant: ANTHRACENE
Amount (Lbs/Yr): 3.56156147035836E-03

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000124389
Contaminant: CARBON DIOXIDE
Amount (Lbs/Yr): 60021561.2

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

CAS #: 000129000
Contaminant: PYRENE
Amount (Lbs/Yr): 8.5414751995297E-03

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000191242
Contaminant: BENZO[G,H,I]PERYLENE
Amount (Lbs/Yr): 1.21503473277058E-03

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000205992
Contaminant: BENZO[B]FLUORANTHENE
Amount (Lbs/Yr): 1.01782287827526E-03

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000206440
Contaminant: FLUORANTHENE
Amount (Lbs/Yr): 1.11400587712781E-02

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000207089
Contaminant: BENZO[K]FLUORANTHENE
Amount (Lbs/Yr): 7.99759648026126E-04

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000218019
Contaminant: CHRYSENE
Amount (Lbs/Yr): 1.05095824802613E-03

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000630080
Contaminant: CARBON MONOXIDE
Amount (Lbs/Yr): 43256.458

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 001330207
Contaminant: XYLENE, M, O & P MIXT.
Amount (Lbs/Yr): 0.3615738

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007439921

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Contaminant: LEAD
Amount (Lbs/Yr): 0.261399897547696

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007439965
Contaminant: MANGANESE
Amount (Lbs/Yr): 0.188335522136249

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007439976
Contaminant: MERCURY
Amount (Lbs/Yr): 0.129243469281985

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007439987
Contaminant: MOLYBDENUM
Amount (Lbs/Yr): 0.545181774604932

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440020
Contaminant: NICKEL METAL AND INSOLUBLE COMPOUNDS
Amount (Lbs/Yr): 1.04080156970032

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440382
Contaminant: ARSENIC
Amount (Lbs/Yr): 9.91239590190786E-02

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440393
Contaminant: BARIUM
Amount (Lbs/Yr): 2.18072709841973

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440417
Contaminant: BERYLLIUM
Amount (Lbs/Yr): 5.94743754114472E-03

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440439
Contaminant: CADMIUM

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Amount (Lbs/Yr): 0.545181774604932

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440473
Contaminant: CHROMIUM
Amount (Lbs/Yr): 0.69386771313355

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440484
Contaminant: COBALT
Amount (Lbs/Yr): 0.041632062788013

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440508
Contaminant: COPPER
Amount (Lbs/Yr): 0.421276825831084

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440622
Contaminant: VANADIUM
Amount (Lbs/Yr): 1.1399255287194

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440666
Contaminant: ZINC
Amount (Lbs/Yr): 14.3729740577664

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007446095
Contaminant: SULFUR DIOXIDE
Amount (Lbs/Yr): 2357.7026

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007446119
Contaminant: SULFUR TRIOXIDE
Amount (Lbs/Yr): 16.1376

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 010024972
Contaminant: NITROUS OXIDE
Amount (Lbs/Yr): 1096.6406

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007439976
Contaminant: MERCURY
Amount (Lbs/Yr): 0.1950615104

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007439987
Contaminant: MOLYBDENUM
Amount (Lbs/Yr): 0.823034

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440020
Contaminant: NICKEL METAL AND INSOLUBLE COMPOUNDS
Amount (Lbs/Yr): 1.45803026258141

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440382
Contaminant: ARSENIC
Amount (Lbs/Yr): 0.156364

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440393
Contaminant: BARIUM
Amount (Lbs/Yr): 3.2914

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440417
Contaminant: BERYLLIUM
Amount (Lbs/Yr): 0.00915096

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440439
Contaminant: CADMIUM
Amount (Lbs/Yr): 0.8253568

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440473
Contaminant: CHROMIUM
Amount (Lbs/Yr): 1.054476

Year: 2009

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440484
Contaminant: COBALT
Amount (Lbs/Yr): 0.059

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440508
Contaminant: COPPER
Amount (Lbs/Yr): 0.6355

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440622
Contaminant: VANADIUM
Amount (Lbs/Yr): 1.7208

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440666
Contaminant: ZINC
Amount (Lbs/Yr): 21.6956

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007446095
Contaminant: SULFUR DIOXIDE
Amount (Lbs/Yr): 5919.612

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007446119
Contaminant: SULFUR TRIOXIDE
Amount (Lbs/Yr): 142.550505

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007664417
Contaminant: AMMONIA
Amount (Lbs/Yr): 396.26299

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007782492
Contaminant: SELENIUM
Amount (Lbs/Yr): 3.32308190009304E-02

Year: 2009
DECID: 2600500133

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 010024972
Contaminant: NITROUS OXIDE
Amount (Lbs/Yr): 558.7454

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 025321226
Contaminant: DICHLOROBENZENE
Amount (Lbs/Yr): 0.897828

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 0NY075025
Contaminant: PM 2.5
Amount (Lbs/Yr): 5276.5547249613

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 0NY075100
Contaminant: UNSPECIATED PARTICULATES (EMISSION STATEMENT USE ONLY)
Amount (Lbs/Yr): 897.3153

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 0NY075105
Contaminant: UNSPECIATED PM-10 (EMISSION STATEMENT USE ONLY)
Amount (Lbs/Yr): 47.04

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 0NY210000
Contaminant: OXIDES OF NITROGEN
Amount (Lbs/Yr): 65957.7012

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 0NY998100
Contaminant: UNSPECIATED VOC (EMISSION STATEMENT USE ONLY)
Amount (Lbs/Yr): 2293.66883

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000050328
Contaminant: BENZO(A)PYRENE
Amount (Lbs/Yr): 0.001079176

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

CAS #: 000053703
Contaminant: DIBENZ[A,H]ANTHRACENE
Amount (Lbs/Yr): 0.001394128

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000056553
Contaminant: BENZO(A)ANTHRACENE
Amount (Lbs/Yr): 0.728354496

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000075070
Contaminant: ACETALDEHYDE
Amount (Lbs/Yr): 0.4767336

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000083329
Contaminant: ACENAPHTHENE
Amount (Lbs/Yr): 3.03355142506978E-03

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000086737
Contaminant: FLUORENE
Amount (Lbs/Yr): 4.19066221677522E-03

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000107028
Contaminant: ACROLEIN
Amount (Lbs/Yr): 0.05832384

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000120127
Contaminant: ANTHRACENE
Amount (Lbs/Yr): 0.00317664

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000129000
Contaminant: PYRENE
Amount (Lbs/Yr): 7.28803395852717E-03

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000191242

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Contaminant: BENZO[G,H,I]PERYLENE
Amount (Lbs/Yr): 0.001329738

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000205992
Contaminant: BENZO[B]FLUORANTHENE
Amount (Lbs/Yr): 0.00164097

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000206440
Contaminant: FLUORANTHENE
Amount (Lbs/Yr): 0.00766704

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000207089
Contaminant: BENZO[K]FLUORANTHENE
Amount (Lbs/Yr): 0.001586624

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000218019
Contaminant: CHRYSENE
Amount (Lbs/Yr): 0.00180704

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000050000
Contaminant: FORMALDEHYDE
Amount (Lbs/Yr): 56.8528552

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000071432
Contaminant: BENZENE
Amount (Lbs/Yr): 2.276168

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000074828
Contaminant: METHANE
Amount (Lbs/Yr): 2046.49

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000074840
Contaminant: ETHANE

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Amount (Lbs/Yr): 2319.3239

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000074986
Contaminant: PROPANE
Amount (Lbs/Yr): 1197.0704

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000085018
Contaminant: PHENANTHRENE
Amount (Lbs/Yr): 0.0377044

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000091203
Contaminant: NAPHTHALENE
Amount (Lbs/Yr): 0.5303734

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000091576
Contaminant: 2-METHYL NAPHTHALENE
Amount (Lbs/Yr): 1.66308190009304E-02

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000106978
Contaminant: BUTANE
Amount (Lbs/Yr): 1571.1549

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000106990
Contaminant: 1,3-BUTADIENE
Amount (Lbs/Yr): 0.0241

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000108883
Contaminant: TOLUENE
Amount (Lbs/Yr): 2.842904

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000109660
Contaminant: PENTANE
Amount (Lbs/Yr): 1351.2394

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Year:	2009
DECID:	2600500133
Facility Name:	ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #:	000110543
Contaminant:	HEXANE
Amount (Lbs/Yr):	1346.7042

Year:	2009
DECID:	2600500133
Facility Name:	ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #:	000115071
Contaminant:	PROPYLENE
Amount (Lbs/Yr):	2.05802

Year:	2009
DECID:	2600500133
Facility Name:	ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #:	000124389
Contaminant:	CARBON DIOXIDE
Amount (Lbs/Yr):	84828129

Year:	2009
DECID:	2600500133
Facility Name:	ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #:	000630080
Contaminant:	CARBON MONOXIDE
Amount (Lbs/Yr):	59768.16

Year:	2009
DECID:	2600500133
Facility Name:	ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #:	001330207
Contaminant:	XYLENE, M, O & P MIXT.
Amount (Lbs/Yr):	0.208024

Year:	2009
DECID:	2600500133
Facility Name:	ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #:	007439921
Contaminant:	LEAD
Amount (Lbs/Yr):	0.382694

Year:	2009
DECID:	2600500133
Facility Name:	ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #:	007439965
Contaminant:	MANGANESE
Amount (Lbs/Yr):	0.7709772

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Process Id:	1DRFP
Contaminant Name/cas:	SO2
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	2.80812011
Unit:	TON

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1BRFP
Contaminant Name/cas:	SO2
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	6.91675
Unit:	TON

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1BRFP
Contaminant Name/cas:	NOX
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	7.3950698
Unit:	TON

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1ARFP
Contaminant Name/cas:	NOX
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	19.2240996
Unit:	TON

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1ARFP

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Contaminant Name/cas:	CO
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	2.04511499
Unit:	TON

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1AGFP
Contaminant Name/cas:	71432
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.41999998
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1AGFP
Contaminant Name/cas:	56553
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0004
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1AGFP
Contaminant Name/cas:	CO
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	12.537
Unit:	TON

Permit Type:	Air Title V Facility
Permit Status:	Issued
Issue Date:	2010-06-04
Expiration Date:	2015-06-06
County Fips:	Not reported
DEC Id:	2600500133
Emission Unit Id:	Not reported
Process Id:	Not reported
Contaminant Name/cas:	Not reported

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: Not reported
Unit: Not reported

Detail:

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000120127
Contaminant: ANTHRACENE
Amount (Lbs/Yr): 2.49620697259168E-03

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 025321226
Contaminant: DICHLOROBENZENE
Amount (Lbs/Yr): 0.401371989813959

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000083329
Contaminant: ACENAPHTHENE
Amount (Lbs/Yr): 1.88440338278824E-03

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000207089
Contaminant: BENZO[K]FLUORANTHENE
Amount (Lbs/Yr): 7.10557984720938E-04

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000129000
Contaminant: PYRENE
Amount (Lbs/Yr): 5.81925455949422E-03

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 0NY075105
Contaminant: UNSPECIATED PM-10 (EMISSION STATEMENT USE ONLY)
Amount (Lbs/Yr): 1809.789461624

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007439976
Contaminant: MERCURY
Amount (Lbs/Yr): 0.1288464141288

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

CAS #: 000053703
Contaminant: DIBENZ[A,H]ANTHRACENE
Amount (Lbs/Yr): 8.09471989813959E-04

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 0NY998100
Contaminant: UNSPECIATED VOC (EMISSION STATEMENT USE ONLY)
Amount (Lbs/Yr): 1354.3173287

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440020
Contaminant: NICKEL METAL AND INSOLUBLE COMPOUNDS
Amount (Lbs/Yr): 1.03897876330891

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000110543
Contaminant: HEXANE
Amount (Lbs/Yr): 602.057984720938

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000091203
Contaminant: NAPHTHALENE
Amount (Lbs/Yr): 0.263390761488762

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000124389
Contaminant: CARBON DIOXIDE
Amount (Lbs/Yr): 59825000

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007439921
Contaminant: LEAD
Amount (Lbs/Yr): 0.247375896025931

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000085018
Contaminant: PHENANTHRENE
Amount (Lbs/Yr): 2.62661031890311E-02

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000630080

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Contaminant: CARBON MONOXIDE
Amount (Lbs/Yr): 47375.41

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000106990
Contaminant: 1,3-BUTADIENE
Amount (Lbs/Yr): 0.02737

Year: 2006
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007446095
Contaminant: SULFUR DIOXIDE
Amount (Lbs/Yr): 55009.4473

Year: 2006
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007446119
Contaminant: SULFUR TRIOXIDE
Amount (Lbs/Yr): 90.5844

Year: 2006
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007664417
Contaminant: AMMONIA
Amount (Lbs/Yr): 1162.7324

Year: 2006
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007782492
Contaminant: SELENIUM
Amount (Lbs/Yr): 5.36510101135736E-02

Year: 2006
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 010024972
Contaminant: NITROUS OXIDE
Amount (Lbs/Yr): 1074.74813

Year: 2006
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 025321226
Contaminant: DICHLOROBENZENE
Amount (Lbs/Yr): 0.341521102265334

Year: 2006
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 0NY075025
Contaminant: PM 2.5

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Amount (Lbs/Yr): 5151.31535196496

Year: 2006
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 0NY075105
Contaminant: UNSPECIATED PM-10 (EMISSION STATEMENT USE ONLY)
Amount (Lbs/Yr): 2305.4234975884

Year: 2006
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 0NY210000
Contaminant: OXIDES OF NITROGEN
Amount (Lbs/Yr): 96634.321

Year: 2006
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 0NY998100
Contaminant: UNSPECIATED VOC (EMISSION STATEMENT USE ONLY)
Amount (Lbs/Yr): 1235.1363175

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 010024972
Contaminant: NITROUS OXIDE
Amount (Lbs/Yr): 1103.3

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 001330207
Contaminant: XYLENE, M, O & P MIXT.
Amount (Lbs/Yr): 0.1995

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 0NY210000
Contaminant: OXIDES OF NITROGEN
Amount (Lbs/Yr): 106255.11

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000115071
Contaminant: PROPYLENE
Amount (Lbs/Yr): 1.806

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 0NY075025
Contaminant: PM 2.5
Amount (Lbs/Yr): 5634.80576977389

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440417
Contaminant: BERYLLIUM
Amount (Lbs/Yr): 6.26462150462234E-03

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007439965
Contaminant: MANGANESE
Amount (Lbs/Yr): 0.188005680979707

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007439987
Contaminant: MOLYBDENUM
Amount (Lbs/Yr): 0.544226971257048

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000091576
Contaminant: 2-METHYL NAPHTHALENE
Amount (Lbs/Yr): 1.18740430092447E-02

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000205992
Contaminant: BENZO[B]FLUORANTHENE
Amount (Lbs/Yr): 9.59912768346945E-04

Year: 2006
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000050000
Contaminant: FORMALDEHYDE
Amount (Lbs/Yr): 72.5306263915834

Year: 2006
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000050328
Contaminant: BENZO(A)PYRENE
Amount (Lbs/Yr): 3.41521102265334E-04

Year: 2006
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000053703
Contaminant: DIBENZ[A,H]ANTHRACENE
Amount (Lbs/Yr): 3.41521102265334E-04

Year: 2006

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000056553
Contaminant: BENZO(A)ANTHRACENE
Amount (Lbs/Yr): 5.12281653398001E-04

Year: 2006
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000071432
Contaminant: BENZENE
Amount (Lbs/Yr): 0.816176928964334

Year: 2006
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000074828
Contaminant: METHANE
Amount (Lbs/Yr): 1520.429285

Year: 2006
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000074840
Contaminant: ETHANE
Amount (Lbs/Yr): 1312.54

Year: 2006
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000074986
Contaminant: PROPANE
Amount (Lbs/Yr): 455.361469687112

Year: 2006
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000083329
Contaminant: ACENAPHTHENE
Amount (Lbs/Yr): 7.57757708518016E-04

Year: 2006
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000085018
Contaminant: PHENANTHRENE
Amount (Lbs/Yr): 4.83821561542556E-03

Year: 2006
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000086737
Contaminant: FLUORENE
Amount (Lbs/Yr): 1.17873421325025E-03

Year: 2006
DECID: 2600500133

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000091203
Contaminant: NAPHTHALENE
Amount (Lbs/Yr): 0.173606560318211

Year: 2006
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000091576
Contaminant: 2-METHYL NAPHTHALENE
Amount (Lbs/Yr): 1.01034361135735E-02

Year: 2006
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000106978
Contaminant: BUTANE
Amount (Lbs/Yr): 597.661928964334

Year: 2006
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000108883
Contaminant: TOLUENE
Amount (Lbs/Yr): 0.967643123085113

Year: 2006
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000109660
Contaminant: PENTANE
Amount (Lbs/Yr): 739.962388241557

Year: 2006
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000110543
Contaminant: HEXANE
Amount (Lbs/Yr): 512.281653398001

Year: 2006
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000120127
Contaminant: ANTHRACENE
Amount (Lbs/Yr): 1.01034361135735E-03

Year: 2006
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000124389
Contaminant: CARBON DIOXIDE
Amount (Lbs/Yr): 50808000

Year: 2006
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

CAS #: 000129000
Contaminant: PYRENE
Amount (Lbs/Yr): 2.10488252366116E-03

Year: 2006
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000191242
Contaminant: BENZO[G,H,I]PERYLENE
Amount (Lbs/Yr): 5.05171805678677E-04

Year: 2006
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000205992
Contaminant: BENZO[B]FLUORANTHENE
Amount (Lbs/Yr): 7.57757708518016E-04

Year: 2006
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000206440
Contaminant: FLUORANTHENE
Amount (Lbs/Yr): 1.51322851419669E-03

Year: 2006
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000207089
Contaminant: BENZO[K]FLUORANTHENE
Amount (Lbs/Yr): 5.12281653398001E-04

Year: 2006
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000218019
Contaminant: CHRYSENE
Amount (Lbs/Yr): 5.12281653398001E-04

Year: 2006
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000630080
Contaminant: CARBON MONOXIDE
Amount (Lbs/Yr): 41536.015

Year: 2006
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007439921
Contaminant: LEAD
Amount (Lbs/Yr): 0.310607852366115

Year: 2006
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007439965

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Contaminant: MANGANESE
Amount (Lbs/Yr): 0.161083511798248

Year: 2006
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007439976
Contaminant: MERCURY
Amount (Lbs/Yr): 0.10969227123038

Year: 2006
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007439987
Contaminant: MOLYBDENUM
Amount (Lbs/Yr): 0.463074155205454

Year: 2006
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440020
Contaminant: NICKEL METAL AND INSOLUBLE COMPOUNDS
Amount (Lbs/Yr): 0.885480939937685

Year: 2006
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440382
Contaminant: ARSENIC
Amount (Lbs/Yr): 8.45290329464462E-02

Year: 2006
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440393
Contaminant: BARIUM
Amount (Lbs/Yr): 1.85229662082182

Year: 2006
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440417
Contaminant: BERYLLIUM
Amount (Lbs/Yr): 9.93178465678677E-03

Year: 2006
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440439
Contaminant: CADMIUM
Amount (Lbs/Yr): 0.463948215205454

Year: 2006
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440473
Contaminant: CHROMIUM

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Amount (Lbs/Yr): 0.629414946625123

Year: 2006
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440484
Contaminant: COBALT
Amount (Lbs/Yr): 3.53620263975074E-02

Year: 2006
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440508
Contaminant: COPPER
Amount (Lbs/Yr): 0.358306789022396

Year: 2006
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440622
Contaminant: VANADIUM
Amount (Lbs/Yr): 0.968245960884131

Year: 2006
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440666
Contaminant: ZINC
Amount (Lbs/Yr): 12.2086364772347

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000086737
Contaminant: FLUORENE
Amount (Lbs/Yr): 0.021822223741105

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440666
Contaminant: ZINC
Amount (Lbs/Yr): 14.347801969504

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000056553
Contaminant: BENZO(A)ANTHRACENE
Amount (Lbs/Yr): 1.77805798472094E-03

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440382
Contaminant: ARSENIC
Amount (Lbs/Yr): 9.89503584103723E-02

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000191242
Contaminant: BENZO[G,H,I]PERYLENE
Amount (Lbs/Yr): 9.35950549630827E-04

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440473
Contaminant: CHROMIUM
Amount (Lbs/Yr): 0.692652508872606

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000074840
Contaminant: ETHANE
Amount (Lbs/Yr): 1542.56

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440393
Contaminant: BARIUM
Amount (Lbs/Yr): 2.17690788502819

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000074986
Contaminant: PROPANE
Amount (Lbs/Yr): 535.162653085278

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000071432
Contaminant: BENZENE
Amount (Lbs/Yr): 1.35550098217443

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440622
Contaminant: VANADIUM
Amount (Lbs/Yr): 1.13792912171928

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000074828
Contaminant: METHANE
Amount (Lbs/Yr): 1611.12095

Year: 2007

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007446095
Contaminant: SULFUR DIOXIDE
Amount (Lbs/Yr): 43687.95192

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000075070
Contaminant: ACETALDEHYDE
Amount (Lbs/Yr): 0.5369

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440439
Contaminant: CADMIUM
Amount (Lbs/Yr): 0.544226971257048

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007664417
Contaminant: AMMONIA
Amount (Lbs/Yr): 1029.7456

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000050000
Contaminant: FORMALDEHYDE
Amount (Lbs/Yr): 29.2267493633724

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440508
Contaminant: COPPER
Amount (Lbs/Yr): 0.420539023244082

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000107028
Contaminant: ACROLEIN
Amount (Lbs/Yr): 0.06475

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000109660
Contaminant: PENTANE
Amount (Lbs/Yr): 869.639311263577

Year: 2007
DECID: 2600500133

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000106978
Contaminant: BUTANE
Amount (Lbs/Yr): 702.400982174428

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007446119
Contaminant: SULFUR TRIOXIDE
Amount (Lbs/Yr): 506.46512

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007782492
Contaminant: SELENIUM
Amount (Lbs/Yr): 1.48380430092447E-02

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000108883
Contaminant: TOLUENE
Amount (Lbs/Yr): 1.42352063780622

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440484
Contaminant: COBALT
Amount (Lbs/Yr): 4.15591505323564E-02

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000218019
Contaminant: CHRYSENE
Amount (Lbs/Yr): 8.49157984720938E-04

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000050328
Contaminant: BENZO(A)PYRENE
Amount (Lbs/Yr): 5.32971989813959E-04

Year: 2007
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000206440
Contaminant: FLUORANTHENE
Amount (Lbs/Yr): 6.81045234481201E-03

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

CAS #: 007440417
Contaminant: BERYLLIUM
Amount (Lbs/Yr): 7.75488833232685E-03

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 0NY210000
Contaminant: OXIDES OF NITROGEN
Amount (Lbs/Yr): 78662.35

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 010024972
Contaminant: NITROUS OXIDE
Amount (Lbs/Yr): 1429.9142

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000115071
Contaminant: PROPYLENE
Amount (Lbs/Yr): 1.806

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007439965
Contaminant: MANGANESE
Amount (Lbs/Yr): 0.245571463857017

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000206440
Contaminant: FLUORANTHENE
Amount (Lbs/Yr): 7.26491905173814E-03

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000074986
Contaminant: PROPANE
Amount (Lbs/Yr): 699.025026450885

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000083329
Contaminant: ACENAPHTHENE
Amount (Lbs/Yr): 2.15708340694392E-03

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000120127

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Contaminant: ANTHRACENE
Amount (Lbs/Yr): 2.85978033813259E-03

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 025321226
Contaminant: DICHLOROBENZENE
Amount (Lbs/Yr): 0.524268769838164

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000110543
Contaminant: HEXANE
Amount (Lbs/Yr): 786.403154757246

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007446119
Contaminant: SULFUR TRIOXIDE
Amount (Lbs/Yr): 80.0502

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 0NY998100
Contaminant: UNSPECIATED VOC (EMISSION STATEMENT USE ONLY)
Amount (Lbs/Yr): 408.5952787

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000091576
Contaminant: 2-METHYL NAPHTHALENE
Amount (Lbs/Yr): 1.55097766646537E-02

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000106978
Contaminant: BUTANE
Amount (Lbs/Yr): 917.470347216787

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000107028
Contaminant: ACROLEIN
Amount (Lbs/Yr): 0.06475

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 001330207
Contaminant: XYLENE, M, O & P MIXT.

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Amount (Lbs/Yr): 0.1995

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440508
Contaminant: COPPER
Amount (Lbs/Yr): 0.549304590206485

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000071432
Contaminant: BENZENE
Amount (Lbs/Yr): 1.57057034721679

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000108883
Contaminant: TOLUENE
Amount (Lbs/Yr): 1.77172818120813

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440666
Contaminant: ZINC
Amount (Lbs/Yr): 18.7409801364566

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007439987
Contaminant: MOLYBDENUM
Amount (Lbs/Yr): 0.710864763796628

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007446095
Contaminant: SULFUR DIOXIDE
Amount (Lbs/Yr): 9652.6616

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000074828
Contaminant: METHANE
Amount (Lbs/Yr): 1617.216375

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440393
Contaminant: BARIUM
Amount (Lbs/Yr): 2.84345905518651

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000075070
Contaminant: ACETALDEHYDE
Amount (Lbs/Yr): 0.5369

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000074840
Contaminant: ETHANE
Amount (Lbs/Yr): 2014.8791

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440382
Contaminant: ARSENIC
Amount (Lbs/Yr): 0.129248138872114

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000109660
Contaminant: PENTANE
Amount (Lbs/Yr): 1135.91566798269

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000106990
Contaminant: 1,3-BUTADIENE
Amount (Lbs/Yr): 0.02737

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000630080
Contaminant: CARBON MONOXIDE
Amount (Lbs/Yr): 56223.474

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440484
Contaminant: COBALT
Amount (Lbs/Yr): 5.42842183262879E-02

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000205992
Contaminant: BENZO[B]FLUORANTHENE
Amount (Lbs/Yr): 1.23259279250262E-03

Year: 2008

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000091203
Contaminant: NAPHTHALENE
Amount (Lbs/Yr): 0.3258632913344

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000050328
Contaminant: BENZO(A)PYRENE
Amount (Lbs/Yr): 6.55868769838164E-04

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000053703
Contaminant: DIBENZ[A,H]ANTHRACENE
Amount (Lbs/Yr): 9.32368769838164E-04

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440439
Contaminant: CADMIUM
Amount (Lbs/Yr): 0.710864763796628

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 0NY075025
Contaminant: PM 2.5
Amount (Lbs/Yr): 5465.56001832008

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000191242
Contaminant: BENZO[G,H,I]PERYLENE
Amount (Lbs/Yr): 1.11773723240128E-03

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440473
Contaminant: CHROMIUM
Amount (Lbs/Yr): 0.904736972104799

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007782492
Contaminant: SELENIUM
Amount (Lbs/Yr): 1.55097766646537E-02

Year: 2008
DECID: 2600500133

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007439976
Contaminant: MERCURY
Amount (Lbs/Yr): 0.168233528729064

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000085018
Contaminant: PHENANTHRENE
Amount (Lbs/Yr): 2.80071409060407E-02

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000129000
Contaminant: PYRENE
Amount (Lbs/Yr): 6.57669907103777E-03

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440020
Contaminant: NICKEL METAL AND INSOLUBLE COMPOUNDS
Amount (Lbs/Yr): 1.3571054581572

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000056553
Contaminant: BENZO(A)ANTHRACENE
Amount (Lbs/Yr): 1.96240315475725E-03

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000218019
Contaminant: CHRYSENE
Amount (Lbs/Yr): 1.03350315475725E-03

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000124389
Contaminant: CARBON DIOXIDE
Amount (Lbs/Yr): 78108320

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000207089
Contaminant: BENZO[K]FLUORANTHENE
Amount (Lbs/Yr): 8.94903154757246E-04

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

CAS #: 000050000
Contaminant: FORMALDEHYDE
Amount (Lbs/Yr): 33.5927981148853

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007664417
Contaminant: AMMONIA
Amount (Lbs/Yr): 472.36089

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 0NY075105
Contaminant: UNSPECIATED PM-10 (EMISSION STATEMENT USE ONLY)
Amount (Lbs/Yr): 360.32958317

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007439921
Contaminant: LEAD
Amount (Lbs/Yr): 0.412109177180286

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000086737
Contaminant: FLUORENE
Amount (Lbs/Yr): 2.22463926675693E-02

Year: 2008
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440622
Contaminant: VANADIUM
Amount (Lbs/Yr): 1.48635359702931

Permit Type: Not reported
Permit Status: Not reported
Issue Date: Not reported
Expiration Date: Not reported
County Fips: 36005
DEC Id: 2600500133
Emission Unit Id: U00001
Process Id: 1ARFP
Contaminant Name/cas: PM25-PRI
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 0.53680846
Unit: TON

Permit Type: Not reported
Permit Status: Not reported
Issue Date: Not reported

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Expiration Date:	Not reported
County Fips:	Not reported
DEC Id:	2600500133
Emission Unit Id:	Not reported
Process Id:	Not reported
Contaminant Name/cas:	Not reported
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	Not reported
Unit:	Not reported

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1AGFP
Contaminant Name/cas:	PM25-PRI
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	1.12777359
Unit:	TON

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1CRFP
Contaminant Name/cas:	PM25-PRI
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0862578
Unit:	TON

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1DRFP
Contaminant Name/cas:	PM25-PRI
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.08383574
Unit:	TON

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	UFAC01
Process Id:	EMGEI
Contaminant Name/cas:	PM25-PRI
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.01024453
Unit:	TON

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1BRFP
Contaminant Name/cas:	PM25-PRI
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.20649795
Unit:	TON

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1DRFP
Contaminant Name/cas:	50000
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	5.42000007
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1BRFP
Contaminant Name/cas:	7782492
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.01
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1ARFP
Contaminant Name/cas:	50000
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	34.7599983
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1AGFP
Contaminant Name/cas:	83329
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0005
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1AGFP
Contaminant Name/cas:	7440382
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.05
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1AGFP
Contaminant Name/cas:	205992
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0005
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Emission Unit Id:	U00001
Process Id:	1DRFP
Contaminant Name/cas:	CO
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.31939498
Unit:	TON

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1BRFP
Contaminant Name/cas:	PM10-PRI
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.55607
Unit:	TON

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1BRFP
Contaminant Name/cas:	NH3
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	251.740005
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1ARFP
Contaminant Name/cas:	SO2
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	17.9806699
Unit:	TON

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Process Id: 1ARFP
Contaminant Name/cas: PM10-PRI
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 1.44555505
Unit: TON

Permit Type: Not reported
Permit Status: Not reported
Issue Date: Not reported
Expiration Date: Not reported
County Fips: 36005
DEC Id: 2600500133
Emission Unit Id: U00001
Process Id: 1AGFP
Contaminant Name/cas: 7439965
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 0.10999999
Unit: LB

Permit Type: Not reported
Permit Status: Not reported
Issue Date: Not reported
Expiration Date: Not reported
County Fips: 36005
DEC Id: 2600500133
Emission Unit Id: U00001
Process Id: 1AGFP
Contaminant Name/cas: 110543
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 361.209991
Unit: LB

Permit Type: Not reported
Permit Status: Not reported
Issue Date: Not reported
Expiration Date: Not reported
County Fips: 36005
DEC Id: 2600500133
Emission Unit Id: U00001
Process Id: 1AGFP
Contaminant Name/cas: 108883
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 0.68
Unit: LB

Permit Type: Not reported
Permit Status: Not reported
Issue Date: Not reported
Expiration Date: Not reported
County Fips: 36005
DEC Id: 2600500133
Emission Unit Id: UFAC01
Process Id: EMGEI

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Contaminant Name/cas: SO2
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 0.01022
Unit: TON

Permit Type: Not reported
Permit Status: Not reported
Issue Date: Not reported
Expiration Date: Not reported
County Fips: 36005
DEC Id: 2600500133
Emission Unit Id: U00001
Process Id: 1ARFP
Contaminant Name/cas: VOC
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 0.44480999
Unit: TON

Permit Type: Not reported
Permit Status: Not reported
Issue Date: Not reported
Expiration Date: Not reported
County Fips: 36005
DEC Id: 2600500133
Emission Unit Id: U00001
Process Id: 1AGFP
Contaminant Name/cas: SO2
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 0.08955
Unit: TON

Permit Type: Not reported
Permit Status: Not reported
Issue Date: Not reported
Expiration Date: Not reported
County Fips: 36005
DEC Id: 2600500133
Emission Unit Id: U00001
Process Id: 1AGFP
Contaminant Name/cas: 7440473
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 0.40999999
Unit: LB

Permit Type: Not reported
Permit Status: Not reported
Issue Date: Not reported
Expiration Date: Not reported
County Fips: 36005
DEC Id: 2600500133
Emission Unit Id: U00001
Process Id: 1AGFP
Contaminant Name/cas: 7439976

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.07
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	UFAC01
Process Id:	EMGEI
Contaminant Name/cas:	VOC
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.01268999
Unit:	TON

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1CRFP
Contaminant Name/cas:	SO2
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	2.88924511
Unit:	TON

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1BRFP
Contaminant Name/cas:	50000
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	13.3699998
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1AGFP
Contaminant Name/cas:	7439921
Epa Control Code:	Not reported

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Contol Eff:	Not reported
Emissions:	0.14
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1AGFP
Contaminant Name/cas:	120127
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0007
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1AGFP
Contaminant Name/cas:	PM10-PRI
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	1.12777001
Unit:	TON

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1AGFP
Contaminant Name/cas:	218019
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0004
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	UFAC01
Process Id:	EMGEI
Contaminant Name/cas:	NOX
Epa Control Code:	Not reported
Contol Eff:	Not reported

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Emissions:	0.15544999
Unit:	TON

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1DRFP
Contaminant Name/cas:	VOC
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.06946499
Unit:	TON

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1DRFP
Contaminant Name/cas:	NOX
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	3.00231005
Unit:	TON

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1DRFP
Contaminant Name/cas:	NH3
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	102.199996
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1CRFP
Contaminant Name/cas:	7782492
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.005

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1ARFP
Contaminant Name/cas:	NH3
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	654.429992
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1AGFP
Contaminant Name/cas:	7440484
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.02
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1DRFP
Contaminant Name/cas:	7440417
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0005
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	UFAC01
Process Id:	EMGEI
Contaminant Name/cas:	CO
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.033485
Unit:	TON

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1CRFP
Contaminant Name/cas:	VOC
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.07147499
Unit:	TON

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1CRFP
Contaminant Name/cas:	7440417
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0006
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1ARFP
Contaminant Name/cas:	7440417
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0034
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1BRFP
Contaminant Name/cas:	CO
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.78671002
Unit:	TON

Permit Type:	Not reported

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1BRFP
Contaminant Name/cas:	7440417
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0013
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1AGFP
Contaminant Name/cas:	91203
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.11999999
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1AGFP
Contaminant Name/cas:	85018
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0034
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1CRFP
Contaminant Name/cas:	NH3
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	105.150001
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1BRFP
Contaminant Name/cas:	VOC
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.17110499
Unit:	TON

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1AGFP
Contaminant Name/cas:	NOX
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	14.925
Unit:	TON

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1AGFP
Contaminant Name/cas:	7782492
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0072
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1AGFP
Contaminant Name/cas:	7440439
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.31999999
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1AGFP
Contaminant Name/cas:	50328
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0002
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1AGFP
Contaminant Name/cas:	50000
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	15.0500001
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1AGFP
Contaminant Name/cas:	207089
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0004
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1CRFP
Contaminant Name/cas:	PM10-PRI
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.23227999
Unit:	TON

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1AGFP
Contaminant Name/cas:	7440020
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.62
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1DRFP
Contaminant Name/cas:	PM10-PRI
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.225755
Unit:	TON

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1DRFP
Contaminant Name/cas:	7782492
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0049
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1CRFP
Contaminant Name/cas:	50000
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	5.57999992
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

DEC Id:	2600500133
Emission Unit Id:	UFAC01
Process Id:	EMGEI
Contaminant Name/cas:	PM10-PRI
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.010925
Unit:	TON

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1CRFP
Contaminant Name/cas:	CO
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.32861999
Unit:	TON

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1AGFP
Contaminant Name/cas:	129000
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0015
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1ARFP
Contaminant Name/cas:	7782492
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.02999999
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Emission Unit Id:	U00001
Process Id:	1AGFP
Contaminant Name/cas:	86737
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0008
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1AGFP
Contaminant Name/cas:	7440417
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0036
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1AGFP
Contaminant Name/cas:	206440
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0009
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001
Process Id:	1AGFP
Contaminant Name/cas:	191242
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0004
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36005
DEC Id:	2600500133
Emission Unit Id:	U00001

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Process Id:	1CRFP
Contaminant Name/cas:	NOX
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	3.08905004
Unit:	TON

Permit Type:	Air Title V Facility
Permit Status:	Issued
Issue Date:	2010-06-04
Expiration Date:	2015-06-06
County Fips:	Not reported
DEC Id:	2600500133
Emission Unit Id:	Not reported
Process Id:	Not reported
Contaminant Name/cas:	Not reported
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	Not reported
Unit:	Not reported

Detail:

Year:	2009
DECID:	2600500133
Facility Name:	ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #:	007782492
Contaminant:	SELENIUM
Amount (Lbs/Yr):	1.18948750822894E-02

Year:	2009
DECID:	2600500133
Facility Name:	ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #:	007664417
Contaminant:	AMMONIA
Amount (Lbs/Yr):	272.96857

Year:	2009
DECID:	2600500133
Facility Name:	ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #:	025321226
Contaminant:	DICHLOROBENZENE
Amount (Lbs/Yr):	0.40207616535075

Year:	2009
DECID:	2600500133
Facility Name:	ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #:	0NY075025
Contaminant:	PM 2.5
Amount (Lbs/Yr):	4212.52341662911

Year:	2009
DECID:	2600500133
Facility Name:	ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #:	0NY075105
Contaminant:	UNSPECIATED PM-10 (EMISSION STATEMENT USE ONLY)
Amount (Lbs/Yr):	70.27149592

Year:	2009

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 0NY210000
Contaminant: OXIDES OF NITROGEN
Amount (Lbs/Yr): 49537.7588

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 0NY998100
Contaminant: UNSPECIATED VOC (EMISSION STATEMENT USE ONLY)
Amount (Lbs/Yr): 478.994227712

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000050000
Contaminant: FORMALDEHYDE
Amount (Lbs/Yr): 26.6268027344219

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000050328
Contaminant: BENZO(A)PYRENE
Amount (Lbs/Yr): 6.4058796535075E-04

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000053703
Contaminant: DIBENZ[A,H]ANTHRACENE
Amount (Lbs/Yr): 1.14171656535075E-03

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000056553
Contaminant: BENZO(A)ANTHRACENE
Amount (Lbs/Yr): 2.73449664802613E-03

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000071432
Contaminant: BENZENE
Amount (Lbs/Yr): 1.88731172936381

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000074828
Contaminant: METHANE
Amount (Lbs/Yr): 1168.2635

Year: 2009
DECID: 2600500133

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000074840
Contaminant: ETHANE
Amount (Lbs/Yr): 1545.2663

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000074986
Contaminant: PROPANE
Amount (Lbs/Yr): 536.101553801001

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000075070
Contaminant: ACETALDEHYDE
Amount (Lbs/Yr): 0.97307756

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000083329
Contaminant: ACENAPHTHENE
Amount (Lbs/Yr): 2.6933696558903E-03

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000085018
Contaminant: PHENANTHRENE
Amount (Lbs/Yr): 4.29952710091356E-02

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000086737
Contaminant: FLUORENE
Amount (Lbs/Yr): 3.84276069204804E-02

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000091203
Contaminant: NAPHTHALENE
Amount (Lbs/Yr): 0.311972781386631

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000091576
Contaminant: 2-METHYL NAPHTHALENE
Amount (Lbs/Yr): 1.18948750822894E-02

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

CAS #: 000106978
Contaminant: BUTANE
Amount (Lbs/Yr): 703.633289363813

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000106990
Contaminant: 1,3-BUTADIENE
Amount (Lbs/Yr): 0.049605388

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000107028
Contaminant: ACROLEIN
Amount (Lbs/Yr): 0.1173529

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000108883
Contaminant: TOLUENE
Amount (Lbs/Yr): 1.65810592182713

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000109660
Contaminant: PENTANE
Amount (Lbs/Yr): 871.165024926626

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000110543
Contaminant: HEXANE
Amount (Lbs/Yr): 603.114248026126

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000115071
Contaminant: PROPYLENE
Amount (Lbs/Yr): 3.2731944

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000120127
Contaminant: ANTHRACENE
Amount (Lbs/Yr): 3.56156147035836E-03

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000124389

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Contaminant: CARBON DIOXIDE
Amount (Lbs/Yr): 60021561.2

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000129000
Contaminant: PYRENE
Amount (Lbs/Yr): 8.5414751995297E-03

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000191242
Contaminant: BENZO[G,H,I]PERYLENE
Amount (Lbs/Yr): 1.21503473277058E-03

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000205992
Contaminant: BENZO[B]FLUORANTHENE
Amount (Lbs/Yr): 1.01782287827526E-03

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000206440
Contaminant: FLUORANTHENE
Amount (Lbs/Yr): 1.11400587712781E-02

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000207089
Contaminant: BENZO[K]FLUORANTHENE
Amount (Lbs/Yr): 7.99759648026126E-04

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000218019
Contaminant: CHRYSENE
Amount (Lbs/Yr): 1.05095824802613E-03

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000630080
Contaminant: CARBON MONOXIDE
Amount (Lbs/Yr): 43256.458

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 001330207
Contaminant: XYLENE, M, O & P MIXT.

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Amount (Lbs/Yr): 0.3615738

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007439921
Contaminant: LEAD
Amount (Lbs/Yr): 0.261399897547696

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007439965
Contaminant: MANGANESE
Amount (Lbs/Yr): 0.188335522136249

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007439976
Contaminant: MERCURY
Amount (Lbs/Yr): 0.129243469281985

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007439987
Contaminant: MOLYBDENUM
Amount (Lbs/Yr): 0.545181774604932

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440020
Contaminant: NICKEL METAL AND INSOLUBLE COMPOUNDS
Amount (Lbs/Yr): 1.04080156970032

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440382
Contaminant: ARSENIC
Amount (Lbs/Yr): 9.91239590190786E-02

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440393
Contaminant: BARIUM
Amount (Lbs/Yr): 2.18072709841973

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440417
Contaminant: BERYLLIUM
Amount (Lbs/Yr): 5.94743754114472E-03

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440439
Contaminant: CADMIUM
Amount (Lbs/Yr): 0.545181774604932

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440473
Contaminant: CHROMIUM
Amount (Lbs/Yr): 0.69386771313355

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440484
Contaminant: COBALT
Amount (Lbs/Yr): 0.041632062788013

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440508
Contaminant: COPPER
Amount (Lbs/Yr): 0.421276825831084

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440622
Contaminant: VANADIUM
Amount (Lbs/Yr): 1.1399255287194

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440666
Contaminant: ZINC
Amount (Lbs/Yr): 14.3729740577664

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007446095
Contaminant: SULFUR DIOXIDE
Amount (Lbs/Yr): 2357.7026

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007446119
Contaminant: SULFUR TRIOXIDE
Amount (Lbs/Yr): 16.1376

Year: 2009

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 010024972
Contaminant: NITROUS OXIDE
Amount (Lbs/Yr): 1096.6406

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007439976
Contaminant: MERCURY
Amount (Lbs/Yr): 0.1950615104

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007439987
Contaminant: MOLYBDENUM
Amount (Lbs/Yr): 0.823034

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440020
Contaminant: NICKEL METAL AND INSOLUBLE COMPOUNDS
Amount (Lbs/Yr): 1.45803026258141

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440382
Contaminant: ARSENIC
Amount (Lbs/Yr): 0.156364

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440393
Contaminant: BARIUM
Amount (Lbs/Yr): 3.2914

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440417
Contaminant: BERYLLIUM
Amount (Lbs/Yr): 0.00915096

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440439
Contaminant: CADMIUM
Amount (Lbs/Yr): 0.8253568

Year: 2009
DECID: 2600500133

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440473
Contaminant: CHROMIUM
Amount (Lbs/Yr): 1.054476

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440484
Contaminant: COBALT
Amount (Lbs/Yr): 0.059

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440508
Contaminant: COPPER
Amount (Lbs/Yr): 0.6355

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440622
Contaminant: VANADIUM
Amount (Lbs/Yr): 1.7208

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007440666
Contaminant: ZINC
Amount (Lbs/Yr): 21.6956

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007446095
Contaminant: SULFUR DIOXIDE
Amount (Lbs/Yr): 5919.612

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007446119
Contaminant: SULFUR TRIOXIDE
Amount (Lbs/Yr): 142.550505

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007664417
Contaminant: AMMONIA
Amount (Lbs/Yr): 396.26299

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

CAS #: 007782492
Contaminant: SELENIUM
Amount (Lbs/Yr): 3.32308190009304E-02

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 010024972
Contaminant: NITROUS OXIDE
Amount (Lbs/Yr): 558.7454

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 025321226
Contaminant: DICHLOROBENZENE
Amount (Lbs/Yr): 0.897828

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 0NY075025
Contaminant: PM 2.5
Amount (Lbs/Yr): 5276.5547249613

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 0NY075100
Contaminant: UNSPECIATED PARTICULATES (EMISSION STATEMENT USE ONLY)
Amount (Lbs/Yr): 897.3153

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 0NY075105
Contaminant: UNSPECIATED PM-10 (EMISSION STATEMENT USE ONLY)
Amount (Lbs/Yr): 47.04

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 0NY210000
Contaminant: OXIDES OF NITROGEN
Amount (Lbs/Yr): 65957.7012

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 0NY998100
Contaminant: UNSPECIATED VOC (EMISSION STATEMENT USE ONLY)
Amount (Lbs/Yr): 2293.66883

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000050328

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Contaminant: BENZO(A)PYRENE
Amount (Lbs/Yr): 0.001079176

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000053703
Contaminant: DIBENZ[A,H]ANTHRACENE
Amount (Lbs/Yr): 0.001394128

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000056553
Contaminant: BENZO(A)ANTHRACENE
Amount (Lbs/Yr): 0.728354496

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000075070
Contaminant: ACETALDEHYDE
Amount (Lbs/Yr): 0.4767336

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000083329
Contaminant: ACENAPHTHENE
Amount (Lbs/Yr): 3.03355142506978E-03

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000086737
Contaminant: FLUORENE
Amount (Lbs/Yr): 4.19066221677522E-03

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000107028
Contaminant: ACROLEIN
Amount (Lbs/Yr): 0.05832384

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000120127
Contaminant: ANTHRACENE
Amount (Lbs/Yr): 0.00317664

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000129000
Contaminant: PYRENE

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Amount (Lbs/Yr): 7.28803395852717E-03

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000191242
Contaminant: BENZO[G,H,I]PERYLENE
Amount (Lbs/Yr): 0.001329738

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000205992
Contaminant: BENZO[B]FLUORANTHENE
Amount (Lbs/Yr): 0.00164097

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000206440
Contaminant: FLUORANTHENE
Amount (Lbs/Yr): 0.00766704

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000207089
Contaminant: BENZO[K]FLUORANTHENE
Amount (Lbs/Yr): 0.001586624

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000218019
Contaminant: CHRYSENE
Amount (Lbs/Yr): 0.00180704

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000050000
Contaminant: FORMALDEHYDE
Amount (Lbs/Yr): 56.8528552

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000071432
Contaminant: BENZENE
Amount (Lbs/Yr): 2.276168

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000074828
Contaminant: METHANE
Amount (Lbs/Yr): 2046.49

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000074840
Contaminant: ETHANE
Amount (Lbs/Yr): 2319.3239

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000074986
Contaminant: PROPANE
Amount (Lbs/Yr): 1197.0704

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000085018
Contaminant: PHENANTHRENE
Amount (Lbs/Yr): 0.0377044

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000091203
Contaminant: NAPHTHALENE
Amount (Lbs/Yr): 0.5303734

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000091576
Contaminant: 2-METHYL NAPHTHALENE
Amount (Lbs/Yr): 1.66308190009304E-02

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000106978
Contaminant: BUTANE
Amount (Lbs/Yr): 1571.1549

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000106990
Contaminant: 1,3-BUTADIENE
Amount (Lbs/Yr): 0.0241

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000108883
Contaminant: TOLUENE
Amount (Lbs/Yr): 2.842904

Year: 2009

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S106534406**

DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000109660
Contaminant: PENTANE
Amount (Lbs/Yr): 1351.2394

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000110543
Contaminant: HEXANE
Amount (Lbs/Yr): 1346.7042

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000115071
Contaminant: PROPYLENE
Amount (Lbs/Yr): 2.05802

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000124389
Contaminant: CARBON DIOXIDE
Amount (Lbs/Yr): 84828129

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 000630080
Contaminant: CARBON MONOXIDE
Amount (Lbs/Yr): 59768.16

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 001330207
Contaminant: XYLENE, M, O & P MIXT.
Amount (Lbs/Yr): 0.208024

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007439921
Contaminant: LEAD
Amount (Lbs/Yr): 0.382694

Year: 2009
DECID: 2600500133
Facility Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
CAS #: 007439965
Contaminant: MANGANESE
Amount (Lbs/Yr): 0.7709772

J43 SW 1/8-1/4 0.226 mi. 1192 ft. | **CONSOLIDATED EDISON**
EASTCHESTER ROAD & MORRIS PARK
BRONX, NY 10456 | **MANIFEST** | **S109584281**
N/A

Site 5 of 10 in cluster J

Relative: Equal

Actual: 21 ft.

NY MANIFEST:

EPA ID:	NYP004160669
Country:	USA
Mailing Name:	CONSOLIDATED EDISON
Mailing Contact:	FRANKLYN MURRAY
Mailing Address:	4 IRVING PLACE RM 828
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-460-2808

NY MANIFEST:

No Manifest Records Available

J44 SSW 1/8-1/4 0.228 mi. 1205 ft. | **T J C OPERATIONS INC**
1320 MORRIS PARK AVE
BRONX, NY 10461 | **RCRA-NonGen**
FINDS
MANIFEST | **1000990493**
NYR000004523

Site 6 of 10 in cluster J

Relative: Lower

Actual: 19 ft.

RCRA-NonGen:

Date form received by agency:	01/01/2007
Facility name:	T J C OPERATIONS INC
Facility address:	1320 MORRIS PARK AVE BRONX, NY 104612304
EPA ID:	NYR000004523
Mailing address:	MORRIS PARK AVE BRONX, NY 10469
Contact:	Not reported
Contact address:	MORRIS PARK AVE BRONX, NY 10469
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	TJC OPERATIONS INC
Owner/operator address:	3578 BOSTON RD BRONX, NY 10469
Owner/operator country:	US
Owner/operator telephone:	(718) 828-4113
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	TJC OPERATIONS INC

T J C OPERATIONS INC (Continued) **1000990493**

Owner/operator address: 3578 BOSTON RD
BRONX, NY 10469
Owner/operator country: US
Owner/operator telephone: (718) 828-4113
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: T J C OPERATIONS INC
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: T J C OPERATIONS INC
Classification: Not a generator, verified

Date form received by agency: 05/08/1995
Facility name: T J C OPERATIONS INC
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004513394

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYR000004523

T J C OPERATIONS INC (Continued) **1000990493**

Country:	USA
Mailing Name:	T J C OPERATIONS INC
Mailing Contact:	ERIC MERLIN
Mailing Address:	1320 MORRIS PARK AVE
Mailing Address 2:	Not reported
Mailing City:	BRONX
Mailing State:	NY
Mailing Zip:	10469
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-828-4113

Document ID:	LAA3313533
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	T694VW
Trans2 State ID:	Not reported
Generator Ship Date:	950621
Trans1 Recv Date:	950621
Trans2 Recv Date:	950626
TSD Site Recv Date:	950711
Part A Recv Date:	Not reported
Part B Recv Date:	950818
Generator EPA ID:	NYR000004523
Trans1 EPA ID:	NJD054126164
Trans2 EPA ID:	ARD981908551
TSDF ID:	LAD981057706
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	95

J45 **A B PLAZA** **UST** **U000413649**
SSW **1320 MORRIS PARK AVE** **HIST UST** **N/A**
1/8-1/4 **BRONX, NY 10469**
0.228 mi.
1205 ft. **Site 7 of 10 in cluster J**

Relative:
Lower

Actual:
19 ft.

UST:

Facility Id:	2-064912
Region:	STATE
DEC Region:	2
Site Status:	Unregulated
Program Type:	PBS
Expiration Date:	N/A
UTM X:	597506.04665000003
UTM Y:	4522858.6799100004

Affiliation Records:

Site Id:	1388
Affiliation Type:	Owner
Company Name:	JOHN LEONARDI
Contact Type:	Not reported
Contact Name:	Not reported

A B PLAZA (Continued) **U000413649**

Address1:	1320 MORRIS PARK AVE
Address2:	Not reported
City:	BRONX
State:	NY
Zip Code:	10469
Country Code:	001
Phone:	(718) 881-1111
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	1388
Affiliation Type:	Mail Contact
Company Name:	JOHN LEONARDI
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	1320 MORRIS PARK AVE
Address2:	Not reported
City:	BRONX
State:	NY
Zip Code:	10469
Country Code:	001
Phone:	(718) 881-1111
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	1388
Affiliation Type:	On-Site Operator
Company Name:	A B PLAZA
Contact Type:	Not reported
Contact Name:	JOHN LEONARDI
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 881-1111
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	1388
Affiliation Type:	Emergency Contact
Company Name:	JOHN LEONARDI
Contact Type:	Not reported
Contact Name:	JOHN LEONARDI
Address1:	Not reported
Address2:	Not reported
City:	Not reported

A B PLAZA (Continued) **U000413649**

State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 881-1111
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Equipment Records:

I00 - Overfill - None
G00 - Tank Secondary Containment - None
G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction
B05 - Tank External Protection - Jacketed
B05 - Tank External Protection - Jacketed
F00 - Pipe External Protection - None
F00 - Pipe External Protection - None
I00 - Overfill - None
I00 - Overfill - None
B05 - Tank External Protection - Jacketed
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction
G00 - Tank Secondary Containment - None
G00 - Tank Secondary Containment - None
C02 - Pipe Location - Underground/On-ground
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
F00 - Pipe External Protection - None
C02 - Pipe Location - Underground/On-ground
C02 - Pipe Location - Underground/On-ground
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
B05 - Tank External Protection - Jacketed
G00 - Tank Secondary Containment - None
C02 - Pipe Location - Underground/On-ground
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction
F00 - Pipe External Protection - None
I00 - Overfill - None
B05 - Tank External Protection - Jacketed
H00 - Tank Leak Detection - None

A B PLAZA (Continued) **U000413649**

Tank Info:

Site ID:	1388
Tank Number:	001
Tank ID:	2421
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1961-01-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1994-10-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	1388
Tank Number:	002
Tank ID:	2422
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1961-01-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1994-10-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	1388
Tank Number:	003
Tank ID:	2423
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1961-01-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1994-10-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00

A B PLAZA (Continued) **U000413649**

Site ID: 1388

Tank Number: 004
Tank ID: 2424
Tank Status: Closed - Removed
Tank Model: Not reported
Pipe Model: Not reported
Install Date: 1961-01-01 00:00:00
Capacity Gallons: 550
Tightness Test Method: NN
Next Test Date: Not reported
Date Tank Closed: 1994-10-01 00:00:00
Tank Location: 5
Tank Type: Steel/carbon steel
Date Test: Not reported
Register: True
Modified By: TRANSLAT
Last Modified: 2004-03-04 00:00:00

Site ID: 1388

Tank Number: 005
Tank ID: 2425
Tank Status: Closed - Removed
Tank Model: Not reported
Pipe Model: Not reported
Install Date: 1961-01-01 00:00:00
Capacity Gallons: 550
Tightness Test Method: NN
Next Test Date: Not reported
Date Tank Closed: 1994-10-01 00:00:00
Tank Location: 5
Tank Type: Steel/carbon steel
Date Test: Not reported
Register: True
Modified By: TRANSLAT
Last Modified: 2004-03-04 00:00:00

HIST UST:
PBS Number: 2-064912
SPDES Number: Not reported
Emergency Contact: JOHN LEONARDI
Emergency Telephone: (718) 881-1111
Operator: JOHN LEONARDI
Operator Telephone: (718) 881-1111
Owner Name: JOHN LEONARDI
Owner Address: 1320 MORRIS PARK AVE
Owner City,St,Zip: BRONX, NY 10469
Owner Telephone: (718) 881-1111
Owner Type: Corporate/Commercial
Owner Subtype: Not reported
Mailing Name: JOHN LEONARDI
Mailing Address: 1320 MORRIS PARK AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: BRONX, NY 10469
Mailing Contact: Not reported
Mailing Telephone: (718) 881-1111

A B PLAZA (Continued) **U000413649**

Owner Mark:	First Owner
Facility Status:	2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.
Facility Addr2:	1320 MORRIS PARK AVE
SWIS ID:	6001
Old PBS Number:	Not reported
Facility Type:	TRUCKING/TRANSPORTATION
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	02/12/1992
Expiration Date:	01/14/1997
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	0
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	0
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	60
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	19610101
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Jacketed
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	10/01/1994
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	002
Tank Location:	UNDERGROUND

A B PLAZA (Continued) **U000413649**

Tank Status:	Closed-Removed
Install Date:	19610101
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Jacketed
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	10/01/1994
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	003
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	19610101
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Jacketed
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	10/01/1994
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	004
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	19610101
Capacity (gals):	550

A B PLAZA (Continued) **U000413649**

Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Jacketed
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	10/01/1994
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	005
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	19610101
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Jacketed
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	10/01/1994
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

J46 SW 1/8-1/4 0.229 mi. 1209 ft. | **ALBERT EINSTEIN COLLEGE OF MEDICINE**
1301 MORRIS PARK AVENUE
BRONX, NY 10461

Site 8 of 10 in cluster J

RCRA-LQG | **1011490436**
NYR000156950

Relative: Equal

Actual: 21 ft.

RCRA-LQG:

Date form received by agency:	02/11/2010
Facility name:	ALBERT EINSTEIN COLLEGE OF MEDICINE
Facility address:	1301 MORRIS PARK AVENUE BRONX, NY 10461
EPA ID:	NYR000156950
Mailing address:	MORRIS PARK AVENUE FORCH 800 BRONX, NY 10461
Contact:	DELIA VIEIRA-CRUZ
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(718) 430-3560
Contact email:	DELIA.VIEIRA-CRUZ@EINSTEIN.YU.EDU
EPA Region:	02
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	ALBERT EINSTEIN COLLEGE OF MEDICINE
Owner/operator address:	MORRIS PARK AVENUE BRONX, NY 10461
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	09/01/2008
Owner/Op end date:	Not reported
Owner/operator name:	YESHIVA UNIVERSITY
Owner/operator address:	W 185TH ST NEW YORK, NY 10033
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	12/14/1950
Owner/Op end date:	Not reported
Owner/operator name:	YESHIVA UNIVERSITY
Owner/operator address:	Not reported Not reported

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1011490436**

Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 12/14/1950
Owner/Op end date: Not reported

Owner/operator name: YESHIVA UNIVERSITY
Owner/operator address: MORRIS PARK AVENUE
BRONX, NY 10461
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 09/01/2008
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 04/24/2008
Facility name: ALBERT EINSTEIN COLLEGE OF MEDICINE
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 04/23/2008
Facility name: ALBERT EINSTEIN COLLEGE OF MEDICINE
Classification: Conditionally Exempt Small Quantity Generator

Hazardous Waste Summary:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1011490436**

CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

Waste code: D005
Waste name: BARIUM

Waste code: D007
Waste name: CHROMIUM

Waste code: D008
Waste name: LEAD

Waste code: D011
Waste name: SILVER

Waste code: D018
Waste name: BENZENE

Waste code: D022
Waste name: CHLOROFORM

Waste code: D035
Waste name: METHYL ETHYL KETONE

Waste code: D038
Waste name: PYRIDINE

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1011490436**

BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: P003
Waste name: ACROLEIN

Waste code: P030
Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

Waste code: P087
Waste name: OSMIUM OXIDE OSO4, (T-4)-

Waste code: P098
Waste name: POTASSIUM CYANIDE

Waste code: P105
Waste name: SODIUM AZIDE

Waste code: U122
Waste name: FORMALDEHYDE

Biennial Reports:

Last Biennial Reporting Year: 2011

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 7284

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 6978

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1011490436**

WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

Amount (Lbs): 568

Waste code: D005
Waste name: BARIUM
Amount (Lbs): 563

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 563

Waste code: D008
Waste name: LEAD
Amount (Lbs): 563

Waste code: D011
Waste name: SILVER
Amount (Lbs): 563

Waste code: D018
Waste name: BENZENE
Amount (Lbs): 6415

Waste code: D022
Waste name: CHLOROFORM
Amount (Lbs): 863

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 6415

Waste code: D038
Waste name: PYRIDINE
Amount (Lbs): 6415

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 863

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **1011490436**

MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 7278

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 6715

Waste code: P003
Waste name: ACROLEIN
Amount (Lbs): 5

Waste code: P030
Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED
Amount (Lbs): 5

Waste code: P087
Waste name: OSMIUM OXIDE OSO4, (T-4)-
Amount (Lbs): 5

Waste code: P098
Waste name: POTASSIUM CYANIDE
Amount (Lbs): 5

Waste code: P105
Waste name: SODIUM AZIDE
Amount (Lbs): 5

Waste code: U122
Waste name: FORMALDEHYDE
Amount (Lbs): 840

Violation Status: No violations found

J47 **ALBERT EINSTEIN COLLEGE OF MEDICINE** **MANIFEST** **S109064405**
SW **1301 MORRIS PARK AVENUE** **N/A**
1/8-1/4 **BRONX, NY 10461**
0.229 mi.
1209 ft. **Site 9 of 10 in cluster J**

Relative:
Equal

Actual:
21 ft.

NY MANIFEST:
EPA ID: NYR000156950
Country: USA
Mailing Name: ALBERT EINSTEIN COLLEGE OF MEDICINE
Mailing Contact: ALBERT EINSTEIN COLLEGE OF MEDICINE
Mailing Address: 1301 MORRIS PARK AVE
Mailing Address 2: Not reported
Mailing City: BRONX
Mailing State: NY
Mailing Zip: 10461
Mailing Zip4: Not reported

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S109064405**

Mailing Country:	USA
Mailing Phone:	718-430-3560

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2008-07-02
Trans1 Recv Date:	2008-07-02
Trans2 Recv Date:	2008-07-02
TSD Site Recv Date:	2008-07-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000156950
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	400.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	000266067VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2008-09-18
Trans1 Recv Date:	2008-09-18
Trans2 Recv Date:	2008-09-18
TSD Site Recv Date:	2008-09-18
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000156950
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	1.0
Units:	P - Pounds

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S109064405**

Number of Containers:	1.0
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	000182208VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2008-07-02
Trans1 Recv Date:	2008-07-02
Trans2 Recv Date:	2008-07-02
TSD Site Recv Date:	2008-07-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000156950
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	300.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	000266067VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S109064405**

Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2008-07-02
Trans1 Recv Date:	2008-07-02
Trans2 Recv Date:	2008-07-02
TSD Site Recv Date:	2008-07-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000156950
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	900.0
Units:	P - Pounds
Number of Containers:	3.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	000266067VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2008-07-02
Trans1 Recv Date:	2008-07-02
Trans2 Recv Date:	2008-07-02
TSD Site Recv Date:	2008-07-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000156950
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	30.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	000266067VES

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S109064405**

Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2008-07-02
Trans1 Recv Date:	2008-07-02
Trans2 Recv Date:	2008-07-02
TSD Site Recv Date:	2008-07-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000156950
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	60.0
Units:	P - Pounds
Number of Containers:	2.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	000266067VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2008-11-05
Trans1 Recv Date:	2008-11-05
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2008-11-05

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S109064405**

Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000156950
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	300.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	000180733VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2008-09-18
Trans1 Recv Date:	2008-09-18
Trans2 Recv Date:	2008-09-18
TSD Site Recv Date:	2008-09-18
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000156950
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	1.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	000182208VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S109064405**

Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2008-07-02
Trans1 Recv Date:	2008-07-02
Trans2 Recv Date:	2008-07-02
TSD Site Recv Date:	2008-07-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000156950
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	30.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	000266067VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2008-09-18
Trans1 Recv Date:	2008-09-18
Trans2 Recv Date:	2008-09-18
TSD Site Recv Date:	2008-09-18
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000156950
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S109064405**

Waste Code:	Not reported
Quantity:	25.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	000182208VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2008-05-08
Trans1 Recv Date:	2008-05-08
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2008-05-08
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000156950
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	300.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	000225791VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S109064405**

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2008-11-05
Trans1 Recv Date:	2008-11-05
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2008-11-05
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000156950
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	600.0
Units:	P - Pounds
Number of Containers:	2.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	000180733VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2008-05-08
Trans1 Recv Date:	2008-05-08
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2008-05-08
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000156950
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	30.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S109064405**

Year:	2008
Manifest Tracking Num:	000225791VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2008-05-08
Trans1 Recv Date:	2008-05-08
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2008-05-08
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000156950
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	15.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	000225791VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2008-09-18
Trans1 Recv Date:	2008-09-18

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S109064405**

Trans2 Recv Date:	2008-09-18
TSD Site Recv Date:	2008-09-18
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000156950
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	3.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	000182208VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2008-09-18
Trans1 Recv Date:	2008-09-18
Trans2 Recv Date:	2008-09-18
TSD Site Recv Date:	2008-09-18
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000156950
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	10.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	000182208VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S109064405**

Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2008-09-18
Trans1 Recv Date:	2008-09-18
Trans2 Recv Date:	2008-09-18
TSD Site Recv Date:	2008-09-18
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000156950
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	5.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	000182208VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2008-09-18
Trans1 Recv Date:	2008-09-18
Trans2 Recv Date:	2008-09-18
TSD Site Recv Date:	2008-09-18
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000156950
Trans1 EPA ID:	Not reported

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S109064405**

Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	35.0
Units:	P - Pounds
Number of Containers:	2.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	000182208VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2008-09-18
Trans1 Recv Date:	2008-09-18
Trans2 Recv Date:	2008-09-18
TSD Site Recv Date:	2008-09-18
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000156950
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	800.0
Units:	P - Pounds
Number of Containers:	2.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	000182208VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported

ALBERT EINSTEIN COLLEGE OF MEDICINE (Continued) **S109064405**

Mgmt Method Type Code: H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2008-09-18
Trans1 Recv Date:	2008-09-18
Trans2 Recv Date:	2008-09-18
TSD Site Recv Date:	2008-09-18
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000156950
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	25.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	000182208VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Click this hyperlink while viewing on your computer to access
349 additional NY_MANIFEST: record(s) in the EDR Site Report.

J48 **BUDGET AUTO CLINIC INC** **RCRA-CESQG** **1009399922**
SW **1870 EASTCHESTER RD** **MANIFEST** **NYR000138867**
1/8-1/4 **BRONX, NY 10461** **MANIFEST**
0.231 mi.
1220 ft. **Site 10 of 10 in cluster J**

Relative:
Equal

Actual:
21 ft.

RCRA-CESQG:

Date form received by agency:	01/01/2007
Facility name:	BUDGET AUTO CLINIC INC
Facility address:	1870 EASTCHESTER RD BRONX, NY 10461
EPA ID:	NYR000138867
Mailing address:	EASTCHESTER RD BRONX, NY 10461
Contact:	THOMAS CANNISTRACI
Contact address:	EASTCHESTER RD BRONX, NY 10461

BUDGET AUTO CLINIC INC (Continued) **1009399922**

Contact country:	US
Contact telephone:	(718) 828-4113
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	RONALD DARIENZO
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	12/01/1989
Owner/Op end date:	Not reported

Owner/operator name:	THOMAS J CANNISTSRACI
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	12/01/1989
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No

BUDGET AUTO CLINIC INC (Continued) **1009399922**

Used oil transporter: No

Historical Generators:
Date form received by agency: 04/05/2006
Facility name: BUDGET AUTO CLINIC INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 04/04/2006
Facility name: BUDGET AUTO CLINIC INC
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYR000138867
Country: USA
Mailing Name: BUDGET AUTO CLINIC
Mailing Contact: THOMAS CANNISTRACI
Mailing Address: 1870 EASTCHESTER ST
Mailing Address 2: Not reported
Mailing City: BRONX
Mailing State: NY
Mailing Zip: 10461
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 718-828-4113

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: TXR000050930
Trans2 State ID: Not reported
Generator Ship Date: 2008-02-04
Trans1 Recv Date: 2008-02-04
Trans2 Recv Date: Not reported
TSD Site Recv Date: 2008-02-07
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000138867
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: RID084802842
Waste Code: Not reported
Quantity: 15.0
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 1.0
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 1.0
Year: 2008
Manifest Tracking Num: 000087771UIS
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N

BUDGET AUTO CLINIC INC (Continued) **1009399922**

Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	06
Manifest Status:	000000227UIS
Trans1 State ID:	NYR000138867
Trans2 State ID:	Not reported
Generator Ship Date:	CTD021816889
Trans1 Recv Date:	Not reported
Trans2 Recv Date:	CTD021816889
TSD Site Recv Date:	Not reported
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	N
Trans1 EPA ID:	N
Trans2 EPA ID:	N
TSDF ID:	N
Waste Code:	N
Quantity:	Not reported
Units:	1
Number of Containers:	DM
Container Type:	15
Handling Method:	G
Specific Gravity:	1
Waste Code:	L
Quantity:	Not reported
Units:	Not reported
Number of Containers:	Not reported
Container Type:	Not reported
Handling Method:	Not reported
Specific Gravity:	Not reported
Year:	Not reported

Document ID:	06
Manifest Status:	000097152GBF
Trans1 State ID:	NYR000138867
Trans2 State ID:	Not reported
Generator Ship Date:	CTD021816889
Trans1 Recv Date:	Not reported
Trans2 Recv Date:	CTD021816889
TSD Site Recv Date:	Not reported
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	N
Trans1 EPA ID:	N
Trans2 EPA ID:	N
TSDF ID:	N
Waste Code:	N
Quantity:	Not reported
Units:	1
Number of Containers:	DM
Container Type:	15

BUDGET AUTO CLINIC INC (Continued) **1009399922**

Handling Method:	G
Specific Gravity:	1
Waste Code:	L
Quantity:	Not reported
Units:	Not reported
Number of Containers:	Not reported
Container Type:	Not reported
Handling Method:	Not reported
Specific Gravity:	Not reported
Year:	Not reported

Document ID:	07
Manifest Status:	000005226UIS
Trans1 State ID:	NYR000138867
Trans2 State ID:	Not reported
Generator Ship Date:	RID084802842
Trans1 Recv Date:	Not reported
Trans2 Recv Date:	CTD021816889
TSD Site Recv Date:	Not reported
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	N
Trans1 EPA ID:	N
Trans2 EPA ID:	N
TSDF ID:	N
Waste Code:	N
Quantity:	Not reported
Units:	1
Number of Containers:	DM
Container Type:	15
Handling Method:	G
Specific Gravity:	1
Waste Code:	R
Quantity:	Not reported
Units:	Not reported
Number of Containers:	Not reported
Container Type:	Not reported
Handling Method:	Not reported
Specific Gravity:	Not reported
Year:	Not reported

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	CTD021816889
Trans2 State ID:	Not reported
Generator Ship Date:	2007-05-21
Trans1 Recv Date:	2007-05-21
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2007-05-23
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000138867
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842

BUDGET AUTO CLINIC INC (Continued) **1009399922**

Waste Code:	Not reported
Quantity:	15.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2007
Manifest Tracking Num:	000005226UIS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	CTD021816889
Trans2 State ID:	Not reported
Generator Ship Date:	2007-03-01
Trans1 Recv Date:	2007-03-01
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2007-03-05
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000138867
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	15.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2007
Manifest Tracking Num:	000017142UIS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

BUDGET AUTO CLINIC INC (Continued) **1009399922**

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	CTD021816889
Trans2 State ID:	Not reported
Generator Ship Date:	2007-08-13
Trans1 Recv Date:	2007-08-13
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2007-08-17
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000138867
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	15.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2007
Manifest Tracking Num:	000040873UIS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	CTD021816889
Trans2 State ID:	Not reported
Generator Ship Date:	5/21/2007
Trans1 Recv Date:	5/21/2007
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	5/23/2007
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000138867
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	15
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1

BUDGET AUTO CLINIC INC (Continued) **1009399922**

Year:	2007
Manifest Tracking Num:	000005226UIS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	CTD021816889
Trans2 State ID:	Not reported
Generator Ship Date:	3/1/2007
Trans1 Recv Date:	3/1/2007
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	3/5/2007
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000138867
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	15
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1
Year:	2007
Manifest Tracking Num:	000017142UIS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	CTD021816889
Trans2 State ID:	Not reported
Generator Ship Date:	8/13/2007
Trans1 Recv Date:	8/13/2007

BUDGET AUTO CLINIC INC (Continued) **1009399922**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	8/17/2007
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000138867
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	15
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1
Year:	2007
Manifest Tracking Num:	000040873UIS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	CTD021816889
Trans2 State ID:	Not reported
Generator Ship Date:	11/5/2007
Trans1 Recv Date:	11/5/2007
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/9/2007
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000138867
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	15
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1
Year:	2007
Manifest Tracking Num:	000054753UIS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N

BUDGET AUTO CLINIC INC (Continued) **1009399922**

Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	Not reported
Generator Ship Date:	2008-02-04
Trans1 Recv Date:	2008-02-04
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2008-02-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000138867
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	15.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	000087771UIS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	Not reported
Generator Ship Date:	2008-02-04
Trans1 Recv Date:	2008-02-04
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2008-02-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000138867
Trans1 EPA ID:	Not reported

BUDGET AUTO CLINIC INC (Continued) **1009399922**

Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	15.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	000087771UIS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

MANIFEST:

GEN Cert Date:	8/13/2007
Transporter Recpt Date:	8/13/2007
Number Of Containers:	1
Container Type:	DM
Waste Code1:	D001
Waste Code2:	D039
Waste Code3:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSDF Name:	United Oil Recovery Inc
TSDF ID:	RID084802842
TSDF Date:	8/17/2007
Date Imported:	7/11/2008 2:23:50 PM
Transporter 2 Name:	Not reported
Transporter 2 ID:	CTD021816889
Manifest Docket Number:	000040873UIS
Waste Description:	RQ WASTE PETROLEUM DISTILLATES NOS
Quantity:	15
WT/Vol Units:	G
Item Number:	a
Transporter Name:	UNITED INDUSTRIAL SERVICES
Transporter EPA ID:	CTD021816889
GEN Cert Date:	8/13/2007
Transporter Recpt Date:	8/13/2007
Transporter 2 Recpt Date:	Not reported
TSDF Recpt Date:	8/17/2007
EPA ID:	NYR000138867
Transporter 2 ID:	Not reported

Manifest Docket Number:	000017142UIS
Waste Description:	RQ WASTE PETROLEUM DISTILLATES NOS
Quantity:	15
WT/Vol Units:	G

BUDGET AUTO CLINIC INC (Continued) **1009399922**

Item Number:	a
Transporter Name:	UNITED INDUSTRIAL SERVICES
Transporter EPA ID:	CTD021816889
GEN Cert Date:	3/1/2007
Transporter Recpt Date:	3/1/2007
Transporter 2 Recpt Date:	Not reported
TSDF Recpt Date:	3/5/2007
EPA ID:	NYR000138867
Transporter 2 ID:	CTD021816889
Manifest Docket Number:	000087771UIS
Waste Description:	RQ WASTE PETROLEUM DISTILLATES NOS
Quantity:	15
WT/Vol Units:	G
Item Number:	1
Transporter Name:	SAFETY-KLEEN SYSTEMS, INC.
Transporter EPA ID:	TXR000050930
GEN Cert Date:	2/4/2008
Transporter Recpt Date:	2/4/2008
Transporter 2 Recpt Date:	Not reported
TSDF Recpt Date:	2/7/2008
EPA ID:	NYR000138867
Transporter 2 ID:	Not reported

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49 **MULTI USE BUILDING** **UST** **U004177699**
NNW **1500 PELHAM PARKWAY SOUTH** **N/A**
1/8-1/4 **BRONX, NY 10461**
0.250 mi.
1318 ft.

Relative:
Higher

Actual:
40 ft.

UST:

Facility Id:	2-611505
Region:	STATE
DEC Region:	2
Site Status:	Unregulated
Program Type:	PBS
Expiration Date:	N/A
UTM X:	Not reported
UTM Y:	Not reported

Affiliation Records:

Site Id:	444878
Affiliation Type:	Owner
Company Name:	INWOOD OPPORTUNITY LLC
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	445 HAMILTON AVENUE SUITE 1210
Address2:	Not reported
City:	WHITE PLAINS
State:	NY
Zip Code:	10601
Country Code:	001
Phone:	(914) 614-7000
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR

MULTI USE BUILDING (Continued) **U004177699**

Date Last Modified:	4/29/2011

Site Id:	444878
Affiliation Type:	Mail Contact
Company Name:	LANGAN
Contact Type:	Not reported
Contact Name:	JASON HAYES
Address1:	360 WEST 31ST STREET
Address2:	8TH FLOOR
City:	NEW YORK
State:	NY
Zip Code:	10001
Country Code:	001
Phone:	(212) 479-5427
Phone Ext:	Not reported
Email:	JHAYES@LANGAN.COM
Fax Number:	Not reported
Modified By:	BVCAMPBE
Date Last Modified:	2/8/2011

Site Id:	444878
Affiliation Type:	On-Site Operator
Company Name:	MULTI USE BUILDING
Contact Type:	Not reported
Contact Name:	ANTHONY RODRIGUEZ
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(917) 499-9046
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	4/29/2011

Site Id:	444878
Affiliation Type:	Emergency Contact
Company Name:	INWOOD OPPORTUNITY LLC
Contact Type:	Not reported
Contact Name:	BAILEY HECK
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(917) 415-8783
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	BVCAMPBE
Date Last Modified:	2/8/2011

MULTI USE BUILDING (Continued) **U004177699**

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
I00 - Overfill - None
L00 - Piping Leak Detection - None

Tank Info:

Site ID:	444878
Tank Number:	001
Tank ID:	237946
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1958-01-01 00:00:00
Capacity Gallons:	5000
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	2011-03-15 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	2011-04-29 00:00:00

50
SSW
1/4-1/2
0.287 mi.
1516 ft.

NICKS AUTO SERVICE
1826 EASTCHESTER RD
BRONX, NY

LTANKS **S104073381**
HIST LTANKS **N/A**

Relative:
Higher

Actual:
22 ft.

LTANKS:

Site ID:	193166
Spill No:	9800894
Spill Date:	4/21/1998
Spill Cause:	Tank Overfill
Spill Source:	Gasoline Station
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	3/3/2003
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	0301
Investigator:	TOMASELLO
Referred To:	Not reported
Reported to Dept:	4/21/1998
CID:	205
Water Affected:	Not reported

NICKS AUTO SERVICE (Continued) **S104073381**

Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	4/21/1998
Spill Record Last Update:	3/3/2003
Spiller Name:	NICK MOSCA
Spiller Company:	NICKS AUTO SERVICE
Spiller Address:	1826 EASTCHESTER RD
Spiller City,St,Zip:	BRONX, NY
Spiller County:	001
Spiller Contact:	NICK MOSCA
Spiller Phone:	(718) 822-9718
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	161064
DEC Memo:	Not reported
Remarks:	CALLER DOING SITE WORK ENCOUNTERED CONTAMINATED SOIL.

Material:

Site ID:	193166
Operable Unit ID:	1061541
Operable Unit:	01
Material ID:	558078
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

HIST LTANKS:

Region of Spill:	2
Spill Number:	9800894
Spill Date:	04/21/1998
Spill Time:	10:00
Spill Cause:	Tank Overfill
Resource Affectd:	On Land
Water Affected:	Not reported

NICKS AUTO SERVICE (Continued) **S104073381**

Spill Source:	Gas Station
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Investigator:	TOMASELLO
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	04/21/98
Reported to Department Time:	10:49
SWIS:	60
Spiller Contact:	NICK MOSCA
Spiller Phone:	(718) 822-9718
Spiller Extention:	Not reported
Spiller Name:	NICKS AUTO SERVICE
Spiller Address:	1826 EASTCHESTER RD
Spiller City,St,Zip:	BRONX, NY
Spiller Cleanup Date:	/ /
Facility Contact:	NICK MOSCA
Facility Phone:	(718) 822-9718
Facility Extention:	Not reported
Spill Notifier:	Responsible Party
PBS Number:	Not reported
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	True
Date Region Sent Summary to Central Office:	/ /
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	04/21/98
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	11/24/99
Is Updated:	False

Tank:

PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	Petroleum
Quantity Spilled:	0
Unkonwn Quantity Spilled:	True
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False

NICKS AUTO SERVICE (Continued) **S104073381**

Material:	GASOLINE
Class Type:	GASOLINE
Times Material Entry In File:	21329
CAS Number:	Not reported
Last Date:	19940929
DEC Remarks:	11/24/99 PROSPECTIVE BUYER CALLED, MTBE FOUND IN BOTTOM OF TANK PULL. nO REPORT ON FILE. hYDROLIC FUEL UNDER LIFTS. GROUNDWATER INVESATIGATION NEEDED.
Spill Cause:	CALLER DOING SITE WORK ENCOUNTERED CONTAMINATED SOIL.

51
SSE
1/4-1/2
0.328 mi.
1732 ft.

BRONX PSYCHIATRIC CENTER **HSWDS** **S108146256**
1500 WATERPLACE WEST **N/A**
BRONX (County), NY 10461

Relative:
Lower

Actual:
4 ft.

HSWDS:

Facility ID:	HS2019
Region:	2
Facility Status:	Unknown
Owner Type:	S
Owner:	NYS Office of Mental Hygiene
Owner Address:	Unknown
Owner Phone:	(518)473-5823
Operator Type:	Puplic
Operator:	Office of General Services
Operator:	Office of General Services
Operator Phone:	(212)931-5588
EPA ID:	None
Registry:	Unknown
Registry Site ID:	203005
RCRA Permitted:	Unknown
Site Code:	Other or Unknown
Owner City State:	Not reported
Operator City State:	Bronx, NY 10458
Quadrange:	Flushing
Latitude:	40 51 30 N
Longitude:	73 50 30 W
Acres:	0.00
Operator Date:	Unknown
Close Date:	Unknown
Completed:	Unknown
Active:	Yes
PCB's Disposed:	Yes
Pesticides Disposed:	No
Metals Disposed:	No
Asbestos Disposed:	No
Volatile Organic Compounds Disposed:	No
Semi Volatile Organic Compounds Disposed:	No
Analytical Info Exists for Air:	Not reported
Analytical Info Exists for Ground:	Not reported
Analytical Info Exists for Surface:	Not reported
Analytical Info Exists for Sediments:	Not reported
Analytical Info Exists for Surface:	Surface Soil
Analytical Info Exists for Substance:	Not reported
Analytical Info Exists for Waste:	Not reported
Analytical Info Exists for Leachate:	Not reported
Analytical Info Exists for EP Toxicity:	Not reported
Analytical Info Exists for TCLP:	Not reported

BRONX PSYCHIATRIC CENTER (Continued) **S108146256**

Threat to Environment/Public Health:	Environmental/Public
Surface Water Contamination:	No
Surface Water Body Class:	Unknown
Groundwater Contamination:	Unknown
Groundwater Classification:	Unknown
Drinking Water Contamination:	Unknown
Drinking Water Supply is Active:	Unknown
Any Known Fish or Wildlife:	Unknown
Hazardous Exposure:	Yes
Site Has Controlled Acess:	Yes
Ambient Air Contamination:	Unknown
Direct Contact:	Unknown
EPA Hazardous Ranking System Score:	Not reported
Inventory:	F
Nefrap:	F
Mailing:	Not reported
Tax Map No:	Not reported
Qualify:	0
Next Action:	Not reported
Agencies:	Not reported
Air:	Not reported
Building:	Not reported
Site Desc:	Not reported
Drink:	Not reported
Eptox:	Not reported
Fish:	Not reported
Ground:	Not reported
Ground Desc:	Not reported
Hazardous Threat:	Not reported
Haz Threat Desc:	Not reported
Leachate:	Not reported
Preparer:	Not reported
Sediment:	Not reported
Soil:	Not reported
Surface:	Not reported
Status:	Not reported
Surface Soil:	Not reported
Surface:	Not reported
TCLP:	Not reported
Waste:	Not reported

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52 **LTANKS** **S106123804**
NNW **1431 PELHAM PARKWAY** **N/A**
1/4-1/2 **BRONX, NY**
0.370 mi.
1956 ft.

Relative:
Higher

Actual:
50 ft.

LTANKS:

Site ID:	188203
Spill No:	0307509
Spill Date:	10/15/2003
Spill Cause:	Tank Overfill
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	3/4/2004
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported

(Continued) **S106123804**

Cleanup Meets Standard:	False
SWIS:	0301
Investigator:	JMKRIMGO
Referred To:	Not reported
Reported to Dept:	10/16/2003
CID:	428
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	10/16/2003
Spill Record Last Update:	4/2/2004
Spiller Name:	CAROL BAMBINO
Spiller Company:	T.P.'S PELAHAM TRANSPORTA
Spiller Address:	1963 HOBART AVE
Spiller City,St,Zip:	BRONX, NY 10461-
Spiller County:	001
Spiller Contact:	CAROL BAMBINO
Spiller Phone:	(718) 892-9600
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	157244
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KRIMGOLD" Sangesland called each of the following parties and put together the following summary. TP Pelham Transportation (718-892-9600) (subcontractor for Styvasant Fuel) Bernard Rich (718-882-1080) - Owner of 1431 Pelham Parkway overfill delivery was made at this address Bill Kronish (917-806-4318)- Owner 1427 Pelham Pkwy- impacted neighbor TP Pelham was directed by Styvesant Fuel to deliver to #1431. After 50 gallons was in, the tank overfilled and oil shot out the vent line on the side of the house. This oil spray from the vent line covered a 6ft x 6ft area of grass/garden attached to #1431 and crossed the property line to impact Mr. Kronish's car parked at #1427. Sangesland spoke with Carol Bambino at TP Pelham. She said she was getting a proposal to clean the site from Yellowstone and would also probably get a proposal from AL Eastmond. Sangesland requested that the 6' x 6' area be dug out and new top soil replaced. Also Mr. Kronish's car should be washed & detailed. 10/17/2003 Sangesland spoke with Carol Bambino. She said Eastmond was hired and was cleaning up the site today. She told Mr. Kronish to bring his car to a specific auto detail place to have it cleaned. No word on if he did this. 10/27/03. Mr. Kronish called and complained that very little was done to cleanup the spill. He stated that about 1 to 2" of top soil was removed and odor is still present affecting him and neighborhood. J. Krimgold called TP Pelham Transportation and spoke to Carlanne. She should call back with a status of a cleanup. 10/30/03. J. Krimgold spoke to Carol and requested letter-report, Non-Haz. Manifest and soil sampling results. 11/24/2003 (Sangesland) Mr. Kronish (neighbor) called back again to say the spill has still not been cleaned. He says the soil still smells of oil. 12/12/2003 Mr. Kronish called again to say the problem is still there. Sangesland spoke with T.P. Pelham, they said Eastmond is working on the site during the next few days. Sangesland spoke with Krimgold. He said he spoke with Eastmond a few

(Continued) **S106123804**

days ago. Eastmond called to say they dug some out, but the site is still contaminated. Eastmond was told to keep digging until it is clean and then take 2 endpoint samples. 12/29/2003 Mr. Kronish called again to say the problem is still there. 01/13/04. J.Krimgold visit the site. Al Eastmond excavated 4x4' and 1.5' deep soil around vent area. Soil looks clean, no stans or odor. Estmond directed to take one composite post-excav. sample for lab analyses. Also, they will put a plastic liner before placing a clean fill. 3/3/04. J.Krimgold reviewed soil sample analytical results presented by Eastmond. No exceedance of TAGM criteria was found. Eastmond directed to backfill excavation. 3/3/04 TIPPLE Updating// Mr Kronish called stating petroleum odor persists. 3/4/04 TIPPLE conducted site visit during rain event, there was no breeze at the time, visually there was no petroleum floating on the puddles in the excavation, there was no olfactory evidence if petroleum standing next to the excavation. 3/4/04. NFA. YK.

Remarks: fuel oil came out vent

Material:

Site ID:	188203
Operable Unit ID:	876147
Operable Unit:	01
Material ID:	501037
Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

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53 **BRONX DEVELOPMENTAL CTR** **LTANKS** **S104275527**
SSE **1200 WATERS PLACE** **HIST LTANKS** **N/A**
1/4-1/2 **NEW YORK CITY, NY**
0.371 mi.
1960 ft.

Relative:
Lower

Actual:
8 ft.

LTANKS:

Site ID:	156915
Spill No:	8807432
Spill Date:	12/8/1988
Spill Cause:	Tank Test Failure

BRONX DEVELOPMENTAL CTR (Continued) **S104275527**

Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	10/16/1997
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	0301
Investigator:	JCGRATHW
Referred To:	Not reported
Reported to Dept:	12/8/1988
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	12/9/1988
Spill Record Last Update:	12/17/1999
Spiller Name:	Not reported
Spiller Company:	BRONX DEVELOPMENTAL CTR
Spiller Address:	1200 WATERS PLACE
Spiller City,St,Zip:	BRONX, NY 10461-
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	277796
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "GRATHWOL" 10/16/97 SEE 9614871
Remarks:	3K TANK, TANK TEST ONLY, FAILED PETRO TITE AT -.790GPH, TANK WILL BE REPLACED.

Material:

Site ID:	156915
Operable Unit ID:	924107
Operable Unit:	01
Material ID:	455775
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Pounds
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	156915
Spill Tank Test:	1534989
Tank Number:	Not reported
Tank Size:	0
Test Method:	00

BRONX DEVELOPMENTAL CTR (Continued) **S104275527**

Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

HIST LTANKS:

Region of Spill:	2
Spill Number:	8807432
Spill Date:	12/08/1988
Spill Time:	12:30
Spill Cause:	Tank Test Failure
Resource Affectd:	Groundwater
Water Affected:	Not reported
Spill Source:	Other Non Commercial/Industrial
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	10/16/97
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Investigator:	GRATHWOL
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	12/08/88
Reported to Department Time:	13:55
SWIS:	60
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	BRONX DEVELOPMENTAL CTR
Spiller Address:	1200 WATERS PLACE
Spiller City,St,Zip:	BRONX, NY 10461-
Spiller Cleanup Date:	/ /
Facility Contact:	Not reported
Facility Phone:	(212) 430-0700
Facility Extention:	Not reported
Spill Notifier:	Tank Tester
PBS Number:	Not reported
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	True
Date Region Sent Summary to Central Office:	/ /
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	12/09/88
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	12/17/99
Is Updated:	False

BRONX DEVELOPMENTAL CTR (Continued) **S104275527**

Tank:

PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	0
Test Method:	Not reported
Leak Rate Failed Tank:	0.00
Gross Leak Rate:	Not reported

Material:

Material Class Type:	Petroleum
Quantity Spilled:	-1
Unkonwn Quantity Spilled:	False
Units:	Pounds
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	DIESEL
Class Type:	DIESEL
Times Material Entry In File:	10625
CAS Number:	Not reported
Last Date:	19940728
DEC Remarks:	10/16/97 SEE 9614871
Spill Cause:	3K TANK, TANK TEST ONLY, FAILED PETRO TITE AT -.790GPH, TANK WILL BE REPLACED.

54
WSW
1/4-1/2
0.432 mi.
2279 ft.

1180 MORRIS PARK AVE/BX **LTANKS** **S100145462**
1180 MORRIS PARK AVENUE **HIST LTANKS** **N/A**
NEW YORK CITY, NY

Relative:
Higher

Actual:
66 ft.

LTANKS:

Site ID:	210317
Spill No:	8902672
Spill Date:	6/14/1989
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	11/5/1993
Facility Addr2:	Not reported
Cleanup Ceased:	11/5/1993
Cleanup Meets Standard:	False
SWIS:	0301
Investigator:	BATTISTA
Referred To:	Not reported
Reported to Dept:	6/14/1989
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	6/23/1989
Spill Record Last Update:	5/12/1994
Spiller Name:	Not reported
Spiller Company:	PHYSUR REALTY ASSOC.
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ

1180 MORRIS PARK AVE/BX (Continued) **S100145462**

Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	174348
DEC Memo:	Not reported
Remarks:	5K TANK FAILED PETRO TITE WITH A LEAK RATE OF -.208GPH.

Material:

Site ID:	210317
Operable Unit ID:	928356
Operable Unit:	01
Material ID:	450364
Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Not reported
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	210317
Spill Tank Test:	1535593
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

HIST LTANKS:

Region of Spill:	2
Spill Number:	8902672
Spill Date:	06/14/1989
Spill Time:	14:00
Spill Cause:	Tank Test Failure
Resource Affectd:	Groundwater
Water Affected:	Not reported
Spill Source:	Other Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	11/05/93
Cleanup Ceased:	11/05/93
Cleanup Meets Standard:	False
Investigator:	BATTISTA
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported

1180 MORRIS PARK AVE/BX (Continued) **S100145462**

Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
Reported to Department Date: 06/14/89
Reported to Department Time: 14:12
SWIS: 60
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
Spiller Name: PHYSUR REALTY ASSOC.
Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Spiller Cleanup Date: / /
Facility Contact: Not reported
Facility Phone: (212) 863-5355
Facility Extention: Not reported
Spill Notifier: Tank Tester
PBS Number: 2-319767
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 06/23/89
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 05/12/94
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: 0
Test Method: Not reported
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: -1
Unkonwn Quantity Spilled: False
Units: Not reported
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: 11/05/93: RETESTED AND PASSED 10/12/92.
Spill Cause: 5K TANK FAILED PETRO TITE WITH A LEAK RATE OF -.208GPH.

55 North 1/4-1/2 0.447 mi. 2360 ft. | **23-58 WOODHULL AVE**
23-58 WOODHULL AVE
BRONX, NY | **LTANKS** | **S103941445**
HIST LTANKS | **N/A**

Relative: Higher

Actual: 65 ft.

LTANKS:

Site ID:	111813
Spill No:	9903258
Spill Date:	6/21/1999
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	10/24/2005
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	0301
Investigator:	JJDRUMM
Referred To:	Not reported
Reported to Dept:	6/21/1999
CID:	387
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	6/21/1999
Spill Record Last Update:	3/23/2006
Spiller Name:	VINCENT FRANCIAMORE
Spiller Company:	RESIDENT
Spiller Address:	23-58 WOODHULL AVE
Spiller City,St,Zip:	BRONX, NY
Spiller County:	001
Spiller Contact:	VINCENT FRANCIAMORE
Spiller Phone:	(718) 798-9443
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	97763
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KRIMGOLD" 6/24/99 - Saccacio - On 6/21/99 I called ConEd CIG to get a description of the spill. He referred me to Brian Gibbs at 914-925-6200 who told me that they replaced the gas service line and moved it into a new point of entry. He said they were not near the fuel lines. He also gave me the telephone No. of the affected party which is 718-798-9443. I called the affected party and spoke w/ Ana. She told me that on Thursday 6/17/99 ConEd replaced the gas line and that same night she noticed the smell of oil in here laundry room. She said that they were doing a lot of banging and vibrating the whole house. Since the smell persisted for a few days she checked the level in here oil tank and found it empty. She could not tell me how much oil was in the tank when the boiler was shut down for the summer but she figured it would have had to been around a tank. On 6/21/99 she received a delivery of 242 gallons of oil fro m shore fire oil co. (718-823-5400). She said that they told her that the tank was empty. Once she was shore that the tank had lost its contents, she called ConEd to complain. I told her to call her

23-58 WOODHULL AVE (Continued) **S103941445**

fuel company in the morning and ask them to come out and test her tank.

On 6/22/99, I received a call from Ana she said when the fuel technicians arrived the tank was empty. It had lost 242 gallons of product in less than 24 hours. She said that ConEd was sending someone to inspect the tank (get notes form Chris Engelhardt). Steve Hill from Shore Fire said that his crew felt that the tank was old and that the work by ConEd pushed it to the failure point. I responded.

On scene I noticed a mild vapor levels but the room had been w ell vented. The tank was in a very tight vault underneath the steps to the front porch. Under the font porch was the laundry room and the garage. The tank appeared to be slanted as if one of the legs gave out. I could only see the top of the tank since the vault walls touched the sides of the tank. ConEd had excavated a gas line along the exterior of the vault wall (steps to porch) and drilled/chiseled a whole through this wall about 2.5 feet from and above the tank. The suction line of the boiler could not be inspected since it was behind the wall. What I could see of this line looked in good condition. I checked the house trap and found it well sealed and made of concrete but it looked as if the concrete was exposed to oil. I also found a small water service line access box next to the trap. It had a soil bottom and the soil had a slight fuel oil order. I told the homeowner (Vincent) to call his insurance company and tell them that the state is requesting an investigation and that the tank must be removed. I also asked him to give the neighbor whose home is attached to his my card and ask them to call me if they see or smell oil.

On 6/24/99 I spoke w/ Ana and she said that she reported the s pill to her insurance company and they were sending an inspector to her home on 6/25/99 at 17:30. She said the inspector's name was Anthony Carvada. I asked her to call the insurance company and ask them to call
me.

6/30/99 - Saccacio I visted the site with with the environ mental consultant the insurance company hired (Mike Gentils from H2M). We examined the tank and indentified the source of the release being three 1/8" corrosion holes in the tank. These holes were the caused by the tank sitting directly on the ground. Mike and I both agreed that the corrosion holes were not caused by ConEd's work in the vicinity of the tank. The vibrations made by ConEd could not have caused that corrosion damage but may have increased the size of the holes and rate of release by vibrating off rust flakes.

7/21/99 - Saccacio - Mike Gentils from H2M told me that t hey sank three borings north of the tank and they all showed signs of subsurface contamination. He said all other boring attempts were unsuccessful because of refusal and the inability of using a drill rig because of the topography of the site. He said he would send me his report as soon as he got the rest of the sample results back from the lab.

4/15/02: Transferred from Engelhardt to Rommel for follow up. Not reported
(JHO).

01/26/04 Transferred from Rommel to Austin 02/17/04: Reas signed from AUSTIN to
KRIMGOLD.

Spill assigned to James Drumm for SCI 10/24/05 the Franciamores sen

23-58 WOODHULL AVE (Continued) **S103941445**

t in evidence that the tank was replaced and the spill cleaned

Remarks: THIRD PARTY CALL TO CON EDISON STATING THAT BETWEEN THE TIME THREE WEEKS AGO WHEN CON ED REPLACED OIL LINE AND TODAY WHEN THERE WAS AN OIL DELIVERY AT THE RESIDENCE THAT 100GAL OF MATERIAL WAS MISSING. THERE IS NO EVIDENCE OF A SPILL.

Material:

Site ID:	111813
Operable Unit ID:	1082184
Operable Unit:	01
Material ID:	303185
Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	342
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

HIST LTANKS:

Region of Spill:	2
Spill Number:	9903258
Spill Date:	06/21/1999
Spill Time:	20:45
Spill Cause:	Tank Failure
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Investigator:	ENGELHARDT
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported

23-58 WOODHULL AVE (Continued) **S103941445**

Notifier Extension: Not reported
Reported to Department Date: 06/21/99
Reported to Department Time: 22:41
SWIS: 60
Spiller Contact: VINCENT FRANCIAMORE
Spiller Phone: (718) 798-9443
Spiller Extention: Not reported
Spiller Name: RESIDENT
Spiller Address: 23-58 WOODHULL AVE
Spiller City,St,Zip: BRONX, NY
Spiller Cleanup Date: / /
Facility Contact: VINCENT FRANCIAMORE
Facility Phone: (718) 798-9443
Facility Extention: Not reported
Spill Notifier: Other
PBS Number: Not reported
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 06/21/99
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 08/26/99
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 342
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: 6/24/99 - Saccacio - On 6/21/99 I called ConEd CIG to get a description of the spill. He referred me to Brian Gibbs at 914-925-6200 who told me that they replaced the gas service line and moved it into a new point of entry. He said they were not near the fuel lines. He also gave me the telephone No. of the affected party which is 718-798-9443. I called the affected party and spoke w/ Ana. She told me that on Thursday 6/17/99 ConEd replaced the gas line and that same night she noticed the smell of oil in here laundry room. She said that they were doing a lot of banging and vibrating the whole house. Since the smell persisted for a few days she checked the level in here oil tank and found

23-58 WOODHULL AVE (Continued) **S103941445**

it empty. She could not tell me how much oilwas in the tank when the boiler was shut down for the summer but she figured it would have had to been around a tank. On 6/21/99 she received a delivery of 242 gallons of oil from shore fire oil co. 718-823-5400). She said that they told her thatthe tank was empty. Once she was shore that the tank had lost its contents, she called ConEd to complain. I told her to call her fuel company in the morning and ask them to come out and test her tank. On 6/22/99, I received a call from Ana she said when the fuel technicians arrived the tank was empty. It had lost 242 gallons of product in less than 24 hours. She said that ConEd was sending someone to inspect the tank get notes form Chris Engelhardt). Steve Hill from Shore Fire said thathis crew felt that the tank was old and that the work by ConEd pushed it to the failure point. I responded. On scene I noticed a mild vapor levels but the room had been well vented. The tank was in a very tight vault underneath the steps to the front porch. Under the font porch was the laundry room and the garage. The tank appeared to be slanted as if one of the legs gave out. I could only see the top of the tank since the vault walls touched the sides of the tank. ConEd had excavated agas line along the exterior of the vault wall steps to porch) and drilled/chiseled a whole through this wall about 2.5 feet from and above the tank. The suction line of the boiler could not be inspected since it was behind the wall. What I couldsee of this line looked in good condition. I checked the house trap and found it well sealed and made of concrete but it looked as if the concrete was exposed to oil. I also found a small water service line access box next to the trap. It had a soil bottom and the soil had a slight fuel oil order. I told the homeowner Vincent) to call his insurance company and tell them that the state is requesting an investigation and that the tank must be removed. I also asked him to give the neighborwhose home is attached to his my card and ask them to call me if they see or smell oil. On 6/24/99 I spoke w/ Ana and she said that she reported the spill to her insurance company and they were sending an inspector to her home on 6/25/99 at 17:30.She said the inspector s name was Anthony Carvada. I asked her to call the insurance company and ask them to call me. 6/30/99 - Saccacio I visted the site with with the environmental consultant the insurance company hired Mike Gentils from H2M).We examined the tank and indentified the source of the release being three 1/8 corrosion holes in the tank. These holes were the caused by the tank sitting directly on the ground. Mike and I both agreed that the corrosion holes were not caused byConEd s work in the vicinity of the tank. The vibrations made by ConEd could not have caused that corrosion damage but may have increased the si e of the holes and rate of release by vibrating off rust flakes. 7/21/99 - Saccacio - Mike Gentils from H2M told me that they sank three borings north of the tank and they all showed signs of subsurface contamination. He said all other boring attempts were unsuccessful because of refusal and the inability of using a drill rig because of the topography of the site. He said he would send me his report as soon as he got the rest of the sample results back from the lab.

Spill Cause: THIRD PARTY CALL TO CON EDISON STATING THAT BETWEEN THE TIME THREE WEEKS AGO WHEN CON ED REPLACED OIL LINE AND TODAY WHEN THERE WAS AN OIL DELIVERY AT THE RESIDENCE THAT 100GAL OF MATERIAL WAS MISSING. THERE IS NO EVIDENCE OF A SPILL.

56 SW 1/4-1/2 0.451 mi. 2379 ft. | **1719 HERING AVE**
1719 HERING AVE
BRONX, NY | **LTANKS** | **S108299300**
N/A

Relative: Higher

Actual: 66 ft.

LTANKS:

Site ID:	376017
Spill No:	0611381
Spill Date:	1/12/2007
Spill Cause:	Tank Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	4/13/2007
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	0301
Investigator:	VSZHUNE
Referred To:	Not reported
Reported to Dept:	1/12/2007
CID:	73
Water Affected:	Not reported
Spill Notifier:	Fire Department
Last Inspection:	Not reported
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1/13/2007
Spill Record Last Update:	4/13/2007
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ -
Spiller County:	001
Spiller Contact:	JOSH REDER
Spiller Phone:	(347) 203-6886
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	325614
DEC Memo:	01/12/07- J.Vought and V.Zhune responsed to this spill on 1719 Hering Ave. Bronx NY. The # 2 oil tank rupture the bottom portion. The Fire Department did the cleaned up. When we got on site. We saw no spill out of the vent pipe. The spill in the basement was cover with speedie dry. It was all on concrete. The carpet was removed put it in bags and placed in the back yard. There were two 55 galons drum. No one live in the residence. DEP was on scene and left. His name is Celeste Okolee from DEP Industria waste. 01/13/07-Zhune spoke to the homeowner Pedro Toledo Ph: 646-852-297 8. Firefighter Sanacore gave Ph:347-2036886 gave me this information. Mr. Toledo said that ABC Tank Removal Ph: 718-2722800 will be on the site Monday 01/15/07 to pick up the drums, bags, do the clean up, remove and change the tank. He said that this is the sooner that they can go. He will ask Rob from ABC to send the report to DEC. 01/19/07-Vought-Received call from Dennis Huacon from DEP (718-595 -4722)and they received odor complaint from adjacent household on saturday. Residents relocated for Saturday night and her info is Ms. Adragna (631-654-5382). DEC Zhune to 1)call Toldeo to confirm

1719 HERING AVE (Continued) **S108299300**

cleanup 2)call Adragna to confirm cleanup and absence of odors
3)send out soil contamination letter 4)call Dennis Haucon with
update.
01/19/07- Znuhe spoke to Mr. Toledo he said that ABC came Monday r
emoved the tank and put a new one, removed the tiles and did the
cleaned up also picked up the bags and drums. As per him there is no
more odors. I also call Rob from ABC he stayed that everything is
clean. A report from ABC will be
send.
01/19/07-Zhune spoke Ms. Ariana Adragna Home Ph: (212-4083641),Wor
k
Ph:(718-8237948)
She said her mother lives in the basement fumes were coming by the s
ewer. She couldn't take the fumes she went to the hospital and moved
to her daughter house over the weekend. She is back
home.
01/22/07-called Ariana. She said no more odors. Her mother is ok.
01/25/07 See closed
spill 0611399 02/12/07-Called Donna from ABC . She said they did
soil samples. They are waiting for the results. She will sent
results of soil
samples.
03/29/07 - ABC Tank sent the report with results of soil sample. T
hey stayed ABC Tank dug up and removed (2) drums of contaminated soil
from above referenced address. On March 12, 2007 ABC tank obtained a
soil sample from the contaminated area to be analyzed by a certified
laboratory. Results are
attached.
Reviewed soil analitical result and found that there were no indic
ation of VOC's in the soil except for little bit of Toluene which is
below tha TAG standards and most of the SVOC's where well below the
TAG standards except for Benzo series of analytes and Chrysene.
Case Closed

Remarks: TANK RUPTURE IN BASEMENT. SOME WENT INTO SEWER.

Material:

Site ID:	376017
Operable Unit ID:	1133627
Operable Unit:	01
Material ID:	2123446
Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	150
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported

1719 HERING AVE (Continued) **S108299300**

Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

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57 SSW 1/4-1/2 0.457 mi. 2414 ft.

EASTCHESTER AV/BX/TRANSIT
EASTCHESTER AVE
BRONX, NY

LTANKS **S100146943**
HIST LTANKS **N/A**

Relative: Higher

Actual: 29 ft.

LTANKS:

Site ID:	252778
Spill No:	9100482
Spill Date:	4/11/1991
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	6/24/1998
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	0301
Investigator:	KGHALE
Referred To:	Not reported
Reported to Dept:	4/11/1991
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	4/17/1991
Spill Record Last Update:	12/27/2000
Spiller Name:	Not reported
Spiller Company:	NYCTA
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	207060
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "HALE" 11/16/94: REASSIGNED FROM SIGONA TO ZHITOMIRSKY ON 11/16/94. transfered from Zhitomirsky to Hale. see file.
Remarks:	(2) 5K TANKS FAILED PETRO TITE,1ST TANK FAILED WITH A GROSS LEAK,2ND TANK FAILED WITH A LEAK RATE OF -.521GPH,ROUTINE TEST,WILL EXCAVATE & RETEST.

Material:

Site ID:	252778

EASTCHESTER AV/BX/TRANSIT (Continued) **S100146943**

Operable Unit ID:	954026
Operable Unit:	01
Material ID:	426677
Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Pounds
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	252778
Spill Tank Test:	1538446
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

HIST LTANKS:

Region of Spill:	2
Spill Number:	9100482
Spill Date:	04/11/1991
Spill Time:	15:00
Spill Cause:	Tank Test Failure
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Other Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	06/24/98
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Investigator:	HALE
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	04/11/91
Reported to Department Time:	17:40
SWIS:	60
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	NYCTA

EASTCHESTER AV/BX/TRANSIT (Continued) **S100146943**

Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Spiller Cleanup Date: / /
Facility Contact: Not reported
Facility Phone: (718) 739-7535
Facility Extention: Not reported
Spill Notifier: Tank Tester
PBS Number: Not reported
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 04/17/91
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 12/27/00
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: 0
Test Method: Not reported
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: -1
Unkonwn Quantity Spilled: False
Units: Pounds
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: 11/16/94: REASSIGNED FROM SIGONA TO ZHITOMIRSKY ON 11/16/94. transfered from Zhitomirsky to Hale. see file.
Spill Cause: 2) 5K TANKS FAILED PETRO TITE,1ST TANK FAILED WITH A GROSS LEAK,2ND TANK FAILED WITH A LEAK RATE OF -.521GPH,ROUTINE TEST,WILL EXCAVATE RETEST.

---

58 East 1/4-1/2 0.483 mi. 2548 ft. | **RESIDENCE** | **LTANKS** | **S106737717**
2850 EAST 197TH STREET | **N/A**
BRONX, NY

Relative: Higher
Actual: 25 ft.

LTANKS:
Site ID: 335788
Spill No: 0410747
Spill Date: 12/31/2004
Spill Cause: Tank Failure
Spill Source: Private Dwelling
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.

RESIDENCE (Continued) **S106737717**

	Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	1/3/2005
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	True
SWIS:	0301
Investigator:	MXTIPPLE
Referred To:	Not reported
Reported to Dept:	12/31/2004
CID:	409
Water Affected:	Not reported
Spill Notifier:	Local Agency
Last Inspection:	Not reported
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	12/31/2004
Spill Record Last Update:	1/3/2005
Spiller Name:	MICHEAL MARANIELLO
Spiller Company:	RESIDENCE
Spiller Address:	2850 EAST 197TH STREET
Spiller City,St,Zip:	BRONX, NY
Spiller County:	001
Spiller Contact:	MICHEAL MARANIELLO
Spiller Phone:	(718) 931-9498
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	271074
DEC Memo:	Tipple responded to the site. Homeowner (Michael Maraniello - 718-931-9498) was instructed to put 3 soil borings 18" deep in his basement, then call Tipple back for an inspection. 3 Holes through basement floor reveal no olfactory evidance of a pet roleum release. No Furthre Action Necessary// Spill Closed
Remarks:	DONT KNOW WHERE THE FUEL IS AND THE CLEAN UP IS THE OWNERS JOB. THEY HAVE TO DIG IT UP. UNDER THE GROUND. THE TANK IS INSIDE THE HOUSE.

Material:

Site ID:	335788
Operable Unit ID:	1097848
Operable Unit:	01
Material ID:	577977
Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported

RESIDENCE (Continued) **S106737717**

Test Method: Not reported
Leak Rate: Not reported
Gross Fail: Not reported
Modified By: Not reported
Last Modified: Not reported
Test Method: Not reported

59
NE
1/4-1/2
0.484 mi.
2557 ft.

UNITED CEREBRAL PALSY OF NYC
1770 STILLWELL AVE
BRONX, NY 10469

LTANKS
HIST LTANKS
UST
HIST UST

U001839402
N/A

Relative:
Higher

Actual:
25 ft.

LTANKS:
Site ID: 237142
Spill No: 8906083
Spill Date: 9/20/1989
Spill Cause: Tank Test Failure
Spill Source: Institutional, Educational, Gov., Other
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 7/31/1998
Facility Addr2: Not reported
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 0301
Investigator: BATTISTA
Referred To: Not reported
Reported to Dept: 9/20/1989
CID: Not reported
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: Penalty Not Recommended
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 9/20/1989
Spill Record Last Update: 7/31/1998
Spiller Name: Not reported
Spiller Company: FRANK FRANCIOSA (CONTACT)
Spiller Address: Not reported
Spiller City,St,Zip: ZZ
Spiller County: 001
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 195371
DEC Memo: Not reported
Remarks: 2 TANKS #1 1500-.40991 #2 1500 GROSS LEAK HORNER EZY CHK

Material:
Site ID: 237142
Operable Unit ID: 933741
Operable Unit: 01
Material ID: 446474

UNITED CEREBRAL PALSY OF NYC (Continued) **U001839402**

Material Code: 0001
Material Name: #2 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: -1
Units: Pounds
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:
Site ID: 237142
Spill Tank Test: 1536059
Tank Number: 001
Tank Size: 1500
Test Method: 00
Leak Rate: 0
Gross Fail: Not reported
Modified By: Spills
Last Modified: 10/1/2004
Test Method: Unknown

HIST LTANKS:
Region of Spill: 2
Spill Number: 8906083
Spill Date: 09/20/1989
Spill Time: 12:50
Spill Cause: Tank Test Failure
Resource Affectd: Groundwater
Water Affected: Not reported
Spill Source: Other Non Commercial/Industrial
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 07/31/98
Cleanup Ceased: / /
Cleanup Meets Standard: False
Investigator: BATTISTA
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
Reported to Department Date: 09/20/89
Reported to Department Time: 13:37
SWIS: 60
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
Spiller Name: FRANK FRANCIOSA (CONTACT)
Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Spiller Cleanup Date: / /

UNITED CEREBRAL PALSY OF NYC (Continued) **U001839402**

Facility Contact: Not reported
Facility Phone: (212) 652-9790
Facility Extention: Not reported
Spill Notifier: Tank Tester
PBS Number: 2-342734
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 09/20/89
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 07/31/98
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: 001
Tank Size: 1500
Test Method: Not reported
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: -1
Unkonwn Quantity Spilled: False
Units: Pounds
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: O7/31/98: THE POSSIBLE PBS OWNED BY UNITED CEREBRAL PALSY: 2-342742 1780 STILLWELL AVE., TANK 001, SIZE: 3000 GAL 2-342718 1826 STILLWELL AVE., TANK 001, SIZE: 1500 GAL 2-342726 1824 STILLWELL AVE., TANK 001, SIZE: 1500 GAL 2-342734 1822STILLWELL AVE., TANK 001, SIZE: 1500 GAL 2-342750 1770 STILLWELL AVE., TANK 001, SIZE: 7000 GAL A REPORT HAS BEEN RECEIVED AND THE SPILL CAN BE CLOSED. PYH.
Spill Cause: 2 TANKS 1 1500-.40991 2 1500 GROSS LEAK HORNER EZY CHK

UST:
Facility Id: 2-342750
Region: STATE
DEC Region: 2
Site Status: Unregulated
Program Type: PBS
Expiration Date: N/A
UTM X: 598076.24094000005
UTM Y: 4523584.5580599997

Affiliation Records:
Site Id: 16646

UNITED CEREBRAL PALSY OF NYC (Continued) **U001839402**

Affiliation Type:	Owner
Company Name:	UCP OF NYC
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	105 MADISON AVENUE
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10016
Country Code:	001
Phone:	(212) 683-6700
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	16646
Affiliation Type:	Mail Contact
Company Name:	UCP OF NYC
Contact Type:	Not reported
Contact Name:	BUILDING SERVICES
Address1:	1770 STILLWELL AVE
Address2:	Not reported
City:	BRONX
State:	NY
Zip Code:	10469
Country Code:	001
Phone:	(718) 436-6700
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	16646
Affiliation Type:	On-Site Operator
Company Name:	UNITED CEREBRAL PALSY OF NYC
Contact Type:	Not reported
Contact Name:	VINNY KOCOVIC
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 652-9790
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	16646
Affiliation Type:	Emergency Contact
Company Name:	UCP OF NYC
Contact Type:	Not reported

UNITED CEREBRAL PALSY OF NYC (Continued) **U001839402**

Contact Name:	PAUL J. HANSEN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 436-7600
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
C02 - Pipe Location - Underground/On-ground
G03 - Tank Secondary Containment - Vault (w/o access)
H99 - Tank Leak Detection - Other
F01 - Pipe External Protection - Painted/Asphalt Coating

Tank Info:

Site ID:	16646
Tank Number:	001
Tank ID:	32272
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1998-12-01 00:00:00
Capacity Gallons:	7000
Tightness Test Method:	03
Next Test Date:	Not reported
Date Tank Closed:	1998-12-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	1994-10-01 00:00:00
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00

HIST UST:

PBS Number:	2-342750
SPDES Number:	Not reported
Emergency Contact:	PAUL J. HANSEN
Emergency Telephone:	(718) 436-7600
Operator:	VINNY KOCOVIC
Operator Telephone:	(718) 652-9790
Owner Name:	UCP OF NYC
Owner Address:	105 MADISON AVENUE
Owner City,St,Zip:	NEW YORK, NY 10016
Owner Telephone:	(212) 683-6700
Owner Type:	Corporate/Commercial

UNITED CEREBRAL PALSY OF NYC (Continued) **U001839402**

Owner Subtype:	Not reported
Mailing Name:	UCP OF NYC
Mailing Address:	1770 STILLWELL AVE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BRONX, NY 10469
Mailing Contact:	BUILDING SERVICES
Mailing Telephone:	(718) 436-6700
Owner Mark:	First Owner
Facility Status:	2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.
Facility Addr2:	1770 STILLWELL AVE
SWIS ID:	6001
Old PBS Number:	Not reported
Facility Type:	OTHER
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	12/01/1997
Expiration Date:	12/14/2002
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	0
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	0
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	60
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	19981201
Capacity (gals):	7000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	Painted/Asphalt Coating
Second Containment:	Diking
Leak Detection:	Other
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	10/01/1994
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	12/01/1998
Test Method:	Horner EZ Check

UNITED CEREBRAL PALSY OF NYC (Continued) **U001839402**

Deleted: False
Updated: True
Lat/long: Not reported

---

60 SSW 1/4-1/2 0.489 mi. 2583 ft. **1740 EASTCHESTER RD/BRONX** **LTANKS** **S100144939**
1740 EASTCHESTER RD **HIST LTANKS** **N/A**
NEW YORK CITY, NY

Relative: Lower

Actual: 20 ft.

LTANKS:

Site ID:	232358
Spill No:	8708550
Spill Date:	1/6/1988
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	10/7/1992
Facility Addr2:	Not reported
Cleanup Ceased:	10/7/1992
Cleanup Meets Standard:	True
SWIS:	0301
Investigator:	BATTISTA
Referred To:	Not reported
Reported to Dept:	1/6/1988
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1/21/1988
Spill Record Last Update:	3/25/1993
Spiller Name:	Not reported
Spiller Company:	CALVERY HOSPITAL
Spiller Address:	1740 EASTCHESTER RD
Spiller City,St,Zip:	BRONX, NY 10461
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	191490
DEC Memo:	Not reported
Remarks:	1500 GALLON TANK SYSTEM FAILED HORNER EZY CHECK WITH UNREADABLE RATES

Material:

Site ID:	232358
Operable Unit ID:	913218
Operable Unit:	01
Material ID:	463933
Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum

1740 EASTCHESTER RD/BRONX (Continued) **S100144939**

Quantity:	-1
Units:	Not reported
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	232358
Spill Tank Test:	1532927
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

HIST LTANKS:

Region of Spill:	2
Spill Number:	8708550
Spill Date:	01/06/1988
Spill Time:	14:29
Spill Cause:	Tank Test Failure
Resource Affectd:	Groundwater
Water Affected:	Not reported
Spill Source:	Other Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	10/07/92
Cleanup Ceased:	10/07/92
Cleanup Meets Standard:	True
Investigator:	BATTISTA
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	01/06/88
Reported to Department Time:	14:30
SWIS:	60
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	CALVERY HOSPITAL
Spiller Address:	1740 EASTCHESTER RD
Spiller City,St,Zip:	BRONX, NY 10461
Spiller Cleanup Date:	/ /
Facility Contact:	Not reported
Facility Phone:	(212) 430-4660
Facility Extention:	Not reported
Spill Notifier:	Tank Tester

1740 EASTCHESTER RD/BRONX (Continued) **S100144939**

PBS Number: 2-004545
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 01/21/88
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 03/25/93
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: 0
Test Method: Not reported
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: -1
Unkonwn Quantity Spilled: False
Units: Not reported
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: / / : SPOKE WITH ROZEZWEIG, SOUNDS LIKE VENT LINE LEAKS WILL BLANK OFF, WILL EXCAVATE AND RETEST.
Spill Cause: 1500 GALLON TANK SYSTEM FAILED HORNER EZY CHECK WITH UNREADABLE RATES

K61
South
1/2-1
0.587 mi.
3098 ft.

Relative:
Lower

Actual:
2 ft.

BRONX PSYCHIATRIC CENTER
1500 WATERS PL
BRONX, NY 10461

Site 1 of 2 in cluster K

RCRA-SQG **1000323539**
FTTS **NYD980779672**
HIST FTTS
DEL SHWS
HIST UST
HIST AST
NY Spills
NY Hist Spills

RCRA-SQG:
Date form received by agency: 01/01/2007
Facility name: BRONX PSYCHIATRIC CENTER
Facility address: 1500 WATERS PL
BRONX, NY 104612796
EPA ID: NYD980779672
Mailing address: WATERS PL
BRONX, NY 10461
Contact: Not reported
Contact address: WATERS PL
BRONX, NY 10461
Contact country: US

BRONX PSYCHIATRIC CENTER (Continued) **1000323539**

Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: Not reported
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: Not reported
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: BRONX PSYCHIATRIC CENTER
Classification: Small Quantity Generator

Date form received by agency: 07/08/1999
Facility name: BRONX PSYCHIATRIC CENTER

BRONX PSYCHIATRIC CENTER (Continued) **1000323539**

Classification: Not a generator, verified

Date form received by agency: 03/15/1996
Facility name: BRONX PSYCHIATRIC CENTER
Classification: Large Quantity Generator

Date form received by agency: 10/26/1984
Facility name: BRONX PSYCHIATRIC CENTER
Classification: Large Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 06/10/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/27/1987
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FTTS INSP:
Inspection Number: 199305104632 1
Region: 02
Inspection Date: 05/10/93
Inspector: T. ZACHOS, JRO, DG
Violation occurred: Yes
Investigation Type: Section 6 PCB Federal Conducted
Investigation Reason: For Cause, Government
Legislation Code: TSCA
Facility Function: User

HIST FTTS INSP:
Inspection Number: 199305104632 1
Region: 02
Inspection Date: Not reported
Inspector: T. ZACHOS, JRO, DG
Violation occurred: Yes
Investigation Type: Section 6 PCB Federal Conducted
Investigation Reason: For Cause, Government
Legislation Code: TSCA
Facility Function: User

DEL SHWS:
Year: Not reported
Site Code Id: 55905
Site Classification: Not reported
Region: 2
Epa Id Number: Not reported
Site Type - Dump: No

BRONX PSYCHIATRIC CENTER (Continued) **1000323539**

Site Type - Structure:	No
Site Type - Lagoon:	No
Site Type - Landfill:	No
Site Type - Treat Pond:	No
Site Size (Acres):	Not reported
Site Size Comment:	Not reported
Period Assoc/HW Start:	Not reported
Period Assoc/HW End:	Not reported
Lat/Long:	Not reported
Lat/Long Decimal:	Not reported
Lat/Long (dms):	Not reported
Hazardous Waste Code:	203005
Hazard Waste Disposed:	Not reported
Quantity:	Not reported
Air Data Available:	No
SW Std Contravention:	No
GW Std Contravention:	No
Soil Type:	Not reported
Sediment Data Available:	No
GW Std Contravention:	No
DW Std Contravention:	No
SW Std Contravention:	No
Air Stand Contraventions:	No
Legal Action Type:	Not reported
State Legal Action:	No
Federal Legal Action:	No
Enforce Status Code:	Not reported
Remedial Act Proposed:	No
Rem Act Under Design:	No
Rem Act In Progress:	No
Rem Act Completed:	No
Remedial Action Type:	Not reported
Soil Type:	Not reported
Depth To Groundwater:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Owner Phone:	Not reported
Owner Contact Name:	Not reported
Owner During Disposal:	Not reported
Owner During Use:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City,St,Zip:	Not reported
Operator Phone:	Not reported
Operator Contact Name:	Not reported
Oper During Disposal:	Not reported
Site Type:	Not reported
HW Disposal Period:	Not reported
Analytical Data Available:	Not reported
Applicable Std Exceeded:	Not reported
Geotech Info:	Not reported
Depth To Groundwater:	Not reported
Status:	Not reported
Nature Of Action:	Not reported
Env Prob Assessment:	Not reported
Site Description:	Not reported

BRONX PSYCHIATRIC CENTER (Continued) **1000323539**

Confirmed HW:	Not reported
Environment Assesment:	Not reported
Health Assesment:	Not reported
Disposal Start Date:	Not reported
Disposal Term Date:	Not reported
Air Violation:	Not reported
Groundwater Violation:	Not reported
Drink Water Violation:	Not reported
Surface Water Violation:	Not reported
Legal New York State:	Not reported
Legal Federal:	Not reported
Legal State:	Not reported
Remedial Action Active:	Not reported
Remedial Action Done:	Not reported
NPL Status:	Not reported
Count Operator:	Not reported
Count Owner:	Not reported
NYTM X:	Not reported
NYTM Y:	Not reported
Co Name:	Not reported
Co Addr:	Not reported
Operator Addr:	Not reported
Operator Addr 2:	Not reported
Operator Addr 3:	Not reported
Operator Addr 4:	Not reported
HWDP From:	Not reported
From To:	Not reported
Assessment of Health:	Polychlorinated biphenyls (PCBs) have been detected on the floor and in the soil under the floor in the two transformer rooms located in the basement of the building. When PCBs are detected on the floor at concentrations in excess of EPA standards,the floors are cleaned and samples are collected to verify the effectiveness of the cleaning. The transformer rooms are restricted by locked doors; therefore, the possibility of casual contact with contaminated surfaces is limited. The epoxy coating that covers portions of the floor further limits the possibility of contact with contamination. PCBs have never been detected in indoor air samples.
Description:	The site is a large hospital facility in an urban area, located in the Bronx at 1500 Waters Place. There are two transformer rooms located in the basement of Building #1 in the Bronx Psychiatric Facility. Both rooms contained transformers with PCBfluids, which were replaced some time ago. In each of these rooms, transformer oil residue containing PCBs have been found on the concrete platform beneath a transformer (that provides electricity to the Psychiatric Center) or on adjacent portions of the concrete floor. The transformers no longer contain PCB oil. The electrical equipment rooms, where the transformers are located, are on opposite ends of the basement and access is restricted. During the initial investigation, some concrete wasbroken up to collect samples of the concrete and the underlying soils. A high concentration of PCBs (21,000 ppm) was found in the top layer of concrete immediately in front of the transformer block, with the same concentration in the top layer of soil, dropping to 1,200 ppm at a depth of seven inches and to 700 ppm at 24 inches. A Preliminary Site Assessment (PSA) was completed in December 2000 and was approved by the NYSDEC in December 2001. High levels of PCBs were found around the areas ofthe floor drain in transformer room 1 and in the area of the floor under the

BRONX PSYCHIATRIC CENTER (Continued) **1000323539**

	transformer in transformer room 2. An IRM work plan is under review.
Env Assessment:	Soil contaminated by PCBs has been confirmed. Releases from the remaining PCBs in the underlying soils presents a potential risk to the environment.
HW Disposed/Quantity:	Not reported
Assess/Env Prog:	Not reported
Assess/Health Prob:	Not reported
Site Description:	Not reported

HIST UST:

PBS Number:	2-600750
SPDES Number:	Not reported
Emergency Contact:	JAMES NESSEL
Emergency Telephone:	(718) 931-0600
Operator:	JAMES NESSEL
Operator Telephone:	(718) 931-0600
Owner Name:	NYS OFFICE OF MENTAL HEALTH
Owner Address:	75 NEW SCOTLAND AVE.
Owner City,St,Zip:	ALBANY, NY 12208
Owner Telephone:	(518) 473-5839
Owner Type:	State Government
Owner Subtype:	NYS Office of Mental Health
Mailing Name:	BRONX PSYCHIATRIC CENTER
Mailing Address:	1500 WATERS PLACE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BRONX, NY 10461
Mailing Contact:	JAMES NESSEL, PLANT SUPER
Mailing Telephone:	(718) 931-0600
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	1500 WATERS PLACE
SWIS ID:	6001
Old PBS Number:	Not reported
Facility Type:	OTHER
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	05/18/2001
Expiration Date:	06/10/2002
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	228370
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	60
Town or City:	01
Region:	2
Tank Id:	3

BRONX PSYCHIATRIC CENTER (Continued) **1000323539**

Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	19591201
Capacity (gals):	15000
Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Aboveground/Underground Combination
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	5
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	19981101
Capacity (gals):	1000
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Sacrificial Anode
Pipe Location:	Aboveground/Underground Combination
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	Painted/Asphalt Coating
Second Containment:	None
Leak Detection:	None
Overfill Prot:	High Level Alarm, Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	7
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	19591201

BRONX PSYCHIATRIC CENTER (Continued) **1000323539**

Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	05/01/1993
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	05/01/1993
Test Method:	Tank Auditor
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	8
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	19591201
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	03/01/1993
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	05/01/1993
Test Method:	Tank Auditor
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	9
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	19881201
Capacity (gals):	2500
Product Stored:	UNLEADED GASOLINE
Tank Type:	Fiberglass coated steel

BRONX PSYCHIATRIC CENTER (Continued) **1000323539**

Tank Internal:	None
Tank External:	Sacrificial Anode
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	Fiberglass
Second Containment:	Vault (w/access)
Leak Detection:	Electronic
Overfill Prot:	High Level Alarm, Product Level Gauge
Dispenser:	Suction
Date Tested:	08/01/1998
Next Test Date:	12/01/2003
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
Lat/long:	Not reported

HIST AST:

PBS Number:	2-600750
SWIS Code:	6001
Operator:	JAMES NESSEL
Facility Phone:	(718) 931-0600
Facility Addr2:	1500 WATERS PLACE
Facility Type:	OTHER
Emergency:	JAMES NESSEL
Emergency Tel:	(718) 931-0600
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	NYS OFFICE OF MENTAL HEALTH
Owner Address:	75 NEW SCOTLAND AVE.
Owner City,St,Zip:	ALBANY, NY 12208
Federal ID:	Not reported
Owner Tel:	(518) 473-5839
Owner Type:	State Government
Owner Subtype:	07
Mailing Contact:	JAMES NESSEL, PLANT SUPER
Mailing Name:	BRONX PSYCHIATRIC CENTER
Mailing Address:	1500 WATERS PLACE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BRONX, NY 10461
Mailing Telephone:	(718) 931-0600
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	05/18/2001
Expiration:	06/10/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	228370
FAMT:	True
Facility Screen:	No Missing Data

BRONX PSYCHIATRIC CENTER (Continued) **1000323539**

Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	60
Town or City Code:	01
Region:	2

Tank ID:	1
Tank Location:	ABOVEGROUND
Tank Status:	Closed-In Place
Install Date:	19591201
Capacity (Gal):	183120
Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	0
Tank External:	15
Pipe Location:	Aboveground/Underground Combination
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	05
Tank Containment:	Remote Impounding Area
Leak Detection:	0
Overfill Protection:	02
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	05/01/1998
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

Tank ID:	10
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	19881201
Capacity (Gal):	4000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	0
Tank External:	1
Pipe Location:	Aboveground/Underground Combination
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	1
Tank Containment:	8
Leak Detection:	0
Overfill Protection:	6
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data

BRONX PSYCHIATRIC CENTER (Continued) **1000323539**

Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

Tank ID:	11
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	19980701
Capacity (Gal):	2000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Concrete
Tank Internal:	3
Tank External:	00
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	00
Tank Containment:	Vault (w/access)
Leak Detection:	04
Overfill Protection:	24
Dispenser Method:	Gravity
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

Tank ID:	12
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	19980701
Capacity (Gal):	4000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Concrete
Tank Internal:	3
Tank External:	00
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	00
Tank Containment:	Vault (w/access)
Leak Detection:	04
Overfill Protection:	24
Dispenser Method:	Gravity
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported

BRONX PSYCHIATRIC CENTER (Continued) **1000323539**

Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

Tank ID:	14
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	19990601
Capacity (Gal):	2000
Product Stored:	DIESEL
Tank Type:	Concrete
Tank Internal:	3
Tank External:	00
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	00
Tank Containment:	Vault (w/access)
Leak Detection:	04
Overfill Protection:	24
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

Tank ID:	15
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	19991101
Capacity (Gal):	3300
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	3
Tank External:	1
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	0
Tank Containment:	Vault (w/access)
Leak Detection:	4
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported

BRONX PSYCHIATRIC CENTER (Continued) **1000323539**

Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

Tank ID:	16
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	19991101
Capacity (Gal):	3300
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	3
Tank External:	1
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	0
Tank Containment:	Vault (w/access)
Leak Detection:	4
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

Tank ID:	17
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	19990601
Capacity (Gal):	150
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	0
Tank External:	1
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	1
Tank Containment:	None
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False

BRONX PSYCHIATRIC CENTER (Continued) **1000323539**

Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

Tank ID:	18
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE
Tank Status:	In Service
Install Date:	19991101
Capacity (Gal):	8000
Product Stored:	DIESEL
Tank Type:	Concrete
Tank Internal:	3
Tank External:	9
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	45
Tank Containment:	Vault (w/access)
Leak Detection:	4
Overfill Protection:	23
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

Tank ID:	2
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	19591201
Capacity (Gal):	183120
Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	0
Tank External:	15
Pipe Location:	Aboveground/Underground Combination
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	05
Tank Containment:	Remote Impounding Area
Leak Detection:	0
Overfill Protection:	02
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True

BRONX PSYCHIATRIC CENTER (Continued) **1000323539**

SPDES Number:	Not reported
Lat/Long:	Not reported

Tank ID:	4
Tank Location:	ABOVEGROUND
Tank Status:	Closed-Removed
Install Date:	19591201
Capacity (Gal):	5000
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	0
Tank External:	1
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	1
Tank Containment:	None
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	03/01/2000
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

Tank ID:	6
Tank Location:	ABOVEGROUND
Tank Status:	Closed-Removed
Install Date:	19841201
Capacity (Gal):	150
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	0
Tank External:	1
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	1
Tank Containment:	None
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	05/01/1999
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported

BRONX PSYCHIATRIC CENTER (Continued) **1000323539**

Lat/Long: Not reported

NY Spills:

Site ID:	248881
Facility Addr2:	Not reported
Facility ID:	9900881
Spill Number:	9900881
Facility Type:	ER
SWIS:	0301
Investigator:	MCTIBBE
Referred To:	Not reported
Spill Date:	4/22/1999
Reported to Dept:	4/23/1999
CID:	312
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	8/30/2001
Remediation Phase:	0
Date Entered In Computer:	4/23/1999
Spill Record Last Update:	3/1/2004
Spiller Name:	Not reported
Spiller Company:	NYS
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	JUNE GRIFFIN
Contact Phone:	Not reported
DEC Region:	2
DER Facility ID:	204089
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE" SEMI-VOLITALE HITS BELOW TANK. ONLY MINOR TCLP HITS FROM BORINGS AROUND TANKS AND MINOR SEMI VOLITALE GROUNDWATER HITS AROUND TANKS. sITE USED FOR NEW ABOVE GROUND TANK. NO CONTAMINATION OR ODORS NOTED DURING TANK REMOVAL OR IN BORINGS LOGS.
Remarks:	LAB RESULTS SHOWING CONTAMINATED SOIL - BRONX PSYCHIATRIC CENTER

Material:

Site ID:	248881
Operable Unit ID:	1079652
Operable Unit:	01
Material ID:	307998
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No

BRONX PSYCHIATRIC CENTER (Continued) **1000323539**

Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

Site ID:	248872
Facility Addr2:	Not reported
Facility ID:	0012992
Spill Number:	0012992
Facility Type:	ER
SWIS:	0301
Investigator:	MCTIBBE
Referred To:	Not reported
Spill Date:	3/12/2001
Reported to Dept:	3/12/2001
CID:	207
Spill Cause:	Equipment Failure
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	8/12/2002
Remediation Phase:	0
Date Entered In Computer:	3/12/2001
Spill Record Last Update:	3/1/2004
Spiller Name:	JIM SHERIDAN
Spiller Company:	BRONX PSYCHIATRIC CENTER
Spiller Address:	1500 WATERS PL
Spiller City,St,Zip:	BRONX, NY
Spiller Company:	001
Contact Name:	JIM SHERIDAN
Contact Phone:	(718) 931-0600
DEC Region:	2
DER Facility ID:	204089
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE" Transfered from Demeo to Tibbe. Heater unit for the #6 oil tank leaked to a concrete floor and into a lift pit. The drain in the lift pit discharged to an oil/water separator which triggered an alarm. Less than 10 gallons spilled; all recovered.
Remarks:	cleanup in progress

BRONX PSYCHIATRIC CENTER (Continued) **1000323539**

Material:

Site ID:	248872
Operable Unit ID:	834932
Operable Unit:	01
Material ID:	539720
Material Code:	0003
Material Name:	#6 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	5
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

Click this hyperlink while viewing on your computer to access additional NY_SPILL: detail in the EDR Site Report.

NY Hist Spills:

Region of Spill:	2
Spill Number:	9900881
Investigator:	TIBBE
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	04/22/1999
Reported to Dept Date/Time:	04/23/99 09:14
SWIS:	60
Spiller Name:	NYS
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Contact:	JUNE GRIFFIN
Spiller Phone:	( ) -
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Unknown
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	01
Spill Notifier:	Other

BRONX PSYCHIATRIC CENTER (Continued) **1000323539**

PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 08/30/01
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 04/23/99
Date Spill Entered In Computer Data File: Not reported
Update Date: 08/30/01
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: DIESEL
Class Type: DIESEL
Times Material Entry In File: 10625
CAS Number: Not reported
Last Date: 19940728
DEC Remarks: SEMI-VOLITALE HITS BELOW TANK. ONLY MINOR TCLP HITS FROM BORINGS AROUND TANKS AND MINOR SEMI VOLITALE GROUNDWATER HITS AROUND TANKS. sITE USED FOR NEW ABOVE GROUND TANK. NO CONTAMINATION OR ODORS NOTED DURING TANK REMOVAL OR IN BORINGS LOGS.
Remark: LAB RESULTS SHOWING CONTAMINATED SOIL - BRONX PSYCHIATRIC CENTER

Region of Spill: 2
Spill Number: 0012992
Investigator: DEMEO
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 03/12/2001 07:00
Reported to Dept Date/Time: 03/12/01 09:29
SWIS: 60
Spiller Name: BRONX PSYCHIATRIC CENTER

BRONX PSYCHIATRIC CENTER (Continued) **1000323539**

Spiller Contact: JIM SHERIDAN
Spiller Phone: (718) 931-0600
Spiller Contact: JIM SHERIDAN
Spiller Phone: (718) 931-0600
Spiller Address: 1500 WATERS PL
Spiller City,St,Zip: BRONX, NY
Spill Cause: Equipment Failure
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 02
Spill Notifier: Responsible Party
PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 03/12/01
Date Spill Entered In Computer Data File: Not reported
Update Date: 03/12/01
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 5
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: #6 FUEL OIL
Class Type: #6 FUEL OIL
Times Material Entry In File: 2190
CAS Number: Not reported
Last Date: 19940728
DEC Remarks: Not reported
Remark: cleanup in progress

Region of Spill: 2
Spill Number: 0012437
Investigator: SIGONA
Caller Name: Not reported
Caller Agency: Not reported

BRONX PSYCHIATRIC CENTER (Continued) **1000323539**

Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 02/20/2001 12:00
Reported to Dept Date/Time: 02/20/01 13:30
SWIS: 60
Spiller Name: BRONX PSYCHIATRIC CENTER
Spiller Contact: JIM SHERIDAN
Spiller Phone: (718) 931-0600
Spiller Contact: JIM SHERIDAN
Spiller Phone: (718) 931-0600
Spiller Address: 1500 WATERS PL
Spiller City,St,Zip: BRONX, NY
Spill Cause: Equipment Failure
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 01
Spill Notifier: Responsible Party
PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 03/12/01
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 02/20/01
Date Spill Entered In Computer Data File: Not reported
Update Date: 03/12/01
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: HYDRAULIC OIL
Class Type: HYDRAULIC OIL
Times Material Entry In File: 1846
CAS Number: Not reported
Last Date: 19940728

BRONX PSYCHIATRIC CENTER (Continued) **1000323539**

DEC Remarks: No action performed product contained and removed for disposal.
Remark: 2 cups of oil found on the taping on the connection of high tension gear. clean up crews dispatched.

K62 South 1/2-1 0.587 mi. 3098 ft. | **BRONX PSYCHIATRIC CENTER** | **SHWS** | **S110610526**
1500 WATERS PLACE | **N/A**
BRONX, NY 10461

Site 2 of 2 in cluster K

Relative: Lower

Actual: 2 ft.

SHWS:
Program: HW
Site Code: 55905
Classification: DOES NOT PRESENT A SIGNIFICANT THREAT TO THE PUBLIC HEALTH OR THE ENVIRONMENT - ACTION MAY BE DEFERRED.
Region: 2
Acres: 5.000
HW Code: 203005
Record Add: 11/18/1999 12:00:00 PM
Record Upd: 4/13/2011 10:46:00 AM
Updated By: JHOCONNE
Site Description: Location: The site is located on a five-acre campus in an urban area. The address is 1500 Waters Place in Bronx County of New York City. The psychiatric center has multiple buildings, however, the PCB contamination at the site is limited to two transformer rooms in the basement of Building #1. Site Features: The Bronx Psychiatric Center is in use by the New York State Office of Mental Health (OMH) for patient care. Current Zoning/Use: The Bronx Psychiatric Center site is located in a mixed use area of Bronx County. Surrounding uses outside the hospital campus include residential, commercial, light industrial and utility right-of-ways. The nearest residential structure is approximately 1000 feet away east of the Hutchinson River Parkway. Historical Use: The site has been used as a psychiatric center for over 50 years. The basement of Building #1 is currently in use for electric power supply to buildings (there are transformers and associated electrical equipment in the rooms). The prior transformers used at the facility contained PCB dielectric fluid and leaked within the rooms, impacting the concrete floors beneath and near the transformers and the soils below the floor. The transformers have been replaced and currently use transformer oil that does not contain PCBs. Significant Threat: The site is a class 3 on the Registry of Inactive Hazardous Waste Sites, which means there is no significant threat and remediation may be deferred. Wipe sampling for PCBs is done annually in the transformer rooms and access to the rooms is restricted.
Env Problem: The primary contaminants of concern at the site are polychlorinated biphenyls (PCBs). Investigations to date have shown that elevated levels of PCBs exist in the concrete floors of the two transformer rooms (up to 68,000 mg/kg) and in the soil beneath the floors (up to 23,000 mg/kg). The depth of contamination appears to be limited, and quarterly groundwater monitoring for approximately 10 years has not detected any migration of PCBs. In addition, indoor air sampling has occurred twice per year for approximately 10 years, and there have been no detections of PCBs. As of January 2007, monitoring has been reduced to annual wipe sampling of the floors of the transformer rooms, followed up with cleanup if necessary.
Health Problem: Polychlorinated biphenyls (PCBs) have been detected on the floor and in the soil under the floor in the two transformer rooms located in

BRONX PSYCHIATRIC CENTER (Continued) **S110610526**

the basement of the building. When PCBs are detected on the floor at concentrations in excess of EPA standards, the floors are cleaned and samples are collected to verify the effectiveness of the cleaning. The transformer rooms are restricted by locked doors; therefore, the possibility of casual contact with contaminated surfaces is limited. The epoxy coating that covers portions of the floor further limits the possibility of contact with contamination. PCBs have never been detected in indoor air samples.

Dump:	False
Structure:	True
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	unknown
Disp Term:	unknown
Lat/Long:	40:50:57:0 / 73:50:19:0
Dell:	False
Record Add:	11/18/1999 12:00:00 PM
Record Upd:	3/31/2011 10:26:00 AM
Updated By:	SMMARTIN
Own Op:	Disp. Owner
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	NYS OFFICE OF MENTAL HEALTH
Owner Address:	Not reported
Owner Addr2:	Not reported
Owner City,St,Zip:	NY
Owner Country:	Unknown
Own Op:	Owner
Sub Type:	B99
Owner Name:	Not reported
Owner Company:	NYS OFFICE OF MENTAL HEALTH
Owner Address:	44 HOLLAND AVE.
Owner Addr2:	Not reported
Owner City,St,Zip:	ALBANY, NY 12229
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	NYS Office of Mental Health
Owner Address:	44 Holland Avenue
Owner Addr2:	Not reported
Owner City,St,Zip:	Albany, NY 12201
Owner Country:	United States of America
Own Op:	On-Site Operator
Sub Type:	B99
Owner Name:	Not reported
Owner Company:	NYS OFFICE OF MENTAL HEALTH
Owner Address:	1500 WATERS PLACE
Owner Addr2:	Not reported
Owner City,St,Zip:	BRONX, NY 10461
Owner Country:	United States of America
Own Op:	On-Site Operator
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	Bronx State Hospital
Owner Address:	1500 Waters Place

BRONX PSYCHIATRIC CENTER (Continued) **S110610526**

Owner Addr2:	Not reported
Owner City,St,Zip:	Westchester Heights, NY 10461
Owner Country:	United States of America
HW Code:	203005
Waste Type:	PCB-AROCLOR 1016
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	203005
Waste Type:	PCB-AROCLOR 1254
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	203005
Waste Type:	PCB-AROCLOR 1260
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
Crossref ID:	OHD053576294
Cross Ref Type Code:	05
Cross Ref Type:	EPA Site ID
Record Added Date:	11/18/1999 12:00:00 PM
Record Updated:	2/24/2005 3:54:00 PM
Updated By:	INITIAL

Count: 20 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BRONX	1000694477	SHELL OIL COMPANY	1263 E L GRANT HWY		FINDS,RCRA-NLR,MANIFEST
BRONX	1000872548	NYSDOT	EASTCHESTER BRG	10461	FINDS,RCRA-NLR,MANIFEST
BRONX	1007208218	CONSOLIDATED EDISON	MH23530-PAWNEE PL & SEMINOLE A		RCRA-NLR,MANIFEST
BRONX	1009237963	CONSOLIDATED EDISON	MH26234-EASTCHESTER & BLONDELL		MANIFEST
BRONX	1010327290	CONED	EASTCHESTER BRIDGE		RCRA-NLR,MANIFEST
BRONX	1010566601	NYSDOT BIN 106653B	I-678 .09 MI W OF RTE 908A	10462	RCRA-LQG
BRONX	1010566609	NYSDOT BIN 1066610	WILKINSON AVE OVER I-95	10465	RCRA-LQG
BRONX	1014395502	NYC DEP	BASSETT AVE & MORRIS PARK	10461	RCRA-NLR
BRONX	1014903202	GASETERIA SERVICE STATION EAST TRE	2460 E TREMONT AVE	10462	FINDS
BRONX	984241361	SHEEN SIZE: UNK / COLOR: HEAVY OIL	SHEEN SIZE: UNK / COLOR: HEAVY		ERNS
BRONX	S107488594	IFO TASK FORCE	STATE 87 EXIT - I 95 HWY		SPILLS
WAPPINGERS FALLS	S108466522	SIDEWALK	1499 ROUTE 9		SPILLS
BRONX	S108763648	GETTY #258	1413 EL GRANT HIGHWAY		SPILLS
BRONX	S108764305	GETTY#258	1413 EL GRANT HIGHWAY		SPILLS
BRONX	S109371796	GETTY #258	1413 EL GRANT HWY		SPILLS
BRONX	S109415486	GETTY 258	1413 L GRANT HWY		SPILLS
BRONX	S110139022	258 GETTY STATION	1413 E L GRANT HIGHWAY		SPILLS
BRONX	S110540770	TRAFFIC ACCIDENT	GRANT HWY AND W 170TH ST		SPILLS
BRONX	S110750767	SOIL	1245-1249 EDWARD GRANT HWY		SPILLS
BRONX	S110750904	OUTSIDE SOIL	1245 - 1249 EDWARD GRANT HIGHW		SPILLS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 09/07/2011
Date Data Arrived at EDR: 10/12/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 141

Source: EPA
Telephone: N/A
Last EDR Contact: 02/29/2012
Next Scheduled EDR Contact: 04/23/2012
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 09/07/2011
Date Data Arrived at EDR: 10/12/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 141

Source: EPA
Telephone: N/A
Last EDR Contact: 02/29/2012
Next Scheduled EDR Contact: 04/23/2012
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 09/07/2011	Source: EPA
Date Data Arrived at EDR: 10/12/2011	Telephone: N/A
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 02/29/2012
Number of Days to Update: 141	Next Scheduled EDR Contact: 04/23/2012
	Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/25/2011	Source: EPA
Date Data Arrived at EDR: 03/01/2011	Telephone: 703-412-9810
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 02/27/2012
Number of Days to Update: 62	Next Scheduled EDR Contact: 06/11/2012
	Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 12/10/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/11/2011	Telephone: 703-603-8704
Date Made Active in Reports: 02/16/2011	Last EDR Contact: 01/13/2012
Number of Days to Update: 36	Next Scheduled EDR Contact: 04/23/2012
	Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 02/25/2011	Source: EPA
Date Data Arrived at EDR: 03/01/2011	Telephone: 703-412-9810
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 02/27/2012
Number of Days to Update: 62	Next Scheduled EDR Contact: 06/11/2012
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 08/19/2011
Date Data Arrived at EDR: 08/31/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 132

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 02/13/2012
Next Scheduled EDR Contact: 05/28/2012
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/15/2011
Date Data Arrived at EDR: 07/07/2011
Date Made Active in Reports: 08/08/2011
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 01/05/2012
Next Scheduled EDR Contact: 04/16/2012
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/15/2011
Date Data Arrived at EDR: 07/07/2011
Date Made Active in Reports: 08/08/2011
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 01/05/2012
Next Scheduled EDR Contact: 04/16/2012
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/15/2011
Date Data Arrived at EDR: 07/07/2011
Date Made Active in Reports: 08/08/2011
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 01/05/2012
Next Scheduled EDR Contact: 04/16/2012
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/15/2011
Date Data Arrived at EDR: 07/07/2011
Date Made Active in Reports: 08/08/2011
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 01/05/2012
Next Scheduled EDR Contact: 04/16/2012
Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 12/30/2011
Date Data Arrived at EDR: 12/30/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 12/09/2011
Next Scheduled EDR Contact: 03/26/2012
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 12/30/2011
Date Data Arrived at EDR: 12/30/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 12/09/2011
Next Scheduled EDR Contact: 03/26/2012
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 10/03/2011
Date Data Arrived at EDR: 10/04/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 38

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 01/18/2012
Next Scheduled EDR Contact: 04/16/2012
Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

SHWS: Inactive Hazardous Waste Disposal Sites in New York State

Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance sites

Date of Government Version: 11/22/2011
Date Data Arrived at EDR: 11/22/2011
Date Made Active in Reports: 12/22/2011
Number of Days to Update: 30

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 02/24/2012
Next Scheduled EDR Contact: 06/04/2012
Data Release Frequency: Annually

VAPOR REOPENED: Vapor Intrustion Legacy Site List

New York is currently re-evaluating previous assumptions and decisions regarding the potential for soil vapor intrusion exposures at sites. As a result, all past, current, and future contaminated sites will be evaluated to determine whether these sites have the potential for exposures related to soil vapor intrusion.

Date of Government Version: 08/01/2011
Date Data Arrived at EDR: 08/26/2011
Date Made Active in Reports: 09/16/2011
Number of Days to Update: 21

Source: Department of Environmenal Conservation
Telephone: 518-402-9814
Last EDR Contact: 02/24/2012
Next Scheduled EDR Contact: 06/04/2012
Data Release Frequency: Varies

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Facility Register

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 01/11/2012
Date Data Arrived at EDR: 01/11/2012
Date Made Active in Reports: 01/27/2012
Number of Days to Update: 16

Source: Department of Environmental Conservation
Telephone: 518-457-2051
Last EDR Contact: 10/11/2011
Next Scheduled EDR Contact: 04/23/2012
Data Release Frequency: Semi-Annually

State and tribal leaking storage tank lists

LTANKS: Spills Information Database

Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills.

Date of Government Version: 11/22/2011
Date Data Arrived at EDR: 11/23/2011
Date Made Active in Reports: 12/28/2011
Number of Days to Update: 35

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 02/24/2012
Next Scheduled EDR Contact: 06/04/2012
Data Release Frequency: Varies

HIST LTANKS: Listing of Leaking Storage Tanks

A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 12/14/2011
Date Data Arrived at EDR: 12/15/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 26

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/30/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Semi-Annually

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 12/05/2011
Date Data Arrived at EDR: 12/07/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 34

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/30/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/02/2011
Date Data Arrived at EDR: 11/04/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 7

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/30/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/01/2011
Date Data Arrived at EDR: 11/01/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 10

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 02/03/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011
Date Data Arrived at EDR: 09/13/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 59

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/30/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 11/01/2011
Date Data Arrived at EDR: 11/21/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 50

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/30/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/18/2011
Date Data Arrived at EDR: 08/19/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 25

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/30/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Quarterly

State and tribal registered storage tank lists

TANKS: Storage Tank Faciliy Listing
This database contains records of facilities that are or have been regulated under Bulk Storage Program. Tank information for these facilities may not be releasable by the state agency.

Date of Government Version: 01/03/2012
Date Data Arrived at EDR: 01/05/2012
Date Made Active in Reports: 01/27/2012
Number of Days to Update: 22

Source: Department of Environmental Conservation
Telephone: 518-402-9543
Last EDR Contact: 01/05/2012
Next Scheduled EDR Contact: 04/16/2012
Data Release Frequency: Quarterly

UST: Petroleum Bulk Storage (PBS) Database
Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 01/03/2012
Date Data Arrived at EDR: 01/05/2012
Date Made Active in Reports: 01/25/2012
Number of Days to Update: 20

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 01/05/2012
Next Scheduled EDR Contact: 04/16/2012
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CBS UST: Chemical Bulk Storage Database
Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 10/24/2005
Next Scheduled EDR Contact: 01/23/2006
Data Release Frequency: No Update Planned

MOSF UST: Major Oil Storage Facilities Database
Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: Varies

AST: Petroleum Bulk Storage
Registered Aboveground Storage Tanks.

Date of Government Version: 01/03/2012
Date Data Arrived at EDR: 01/05/2012
Date Made Active in Reports: 01/25/2012
Number of Days to Update: 20

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 01/05/2012
Next Scheduled EDR Contact: 04/16/2012
Data Release Frequency: No Update Planned

CBS AST: Chemical Bulk Storage Database
Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

MOSF AST: Major Oil Storage Facilities Database
Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

MOSF: Major Oil Storage Facility Site Listing
These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/03/2012
Date Data Arrived at EDR: 01/05/2012
Date Made Active in Reports: 01/27/2012
Number of Days to Update: 22

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 01/05/2012
Next Scheduled EDR Contact: 04/16/2012
Data Release Frequency: Quarterly

CBS: Chemical Bulk Storage Site Listing
These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

Date of Government Version: 01/03/2012
Date Data Arrived at EDR: 01/05/2012
Date Made Active in Reports: 01/27/2012
Number of Days to Update: 22

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 01/05/2012
Next Scheduled EDR Contact: 04/16/2012
Data Release Frequency: Quarterly

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/10/2011
Date Data Arrived at EDR: 05/11/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 34

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/30/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 07/01/2011
Date Data Arrived at EDR: 08/26/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 18

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 01/30/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 12/14/2011
Date Data Arrived at EDR: 12/15/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 26

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/30/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Semi-Annually

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 11/28/2011
Date Data Arrived at EDR: 11/29/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 42

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/30/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 08/18/2011
Date Data Arrived at EDR: 08/19/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 25

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/30/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 11/01/2011
Date Data Arrived at EDR: 11/21/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 50

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/30/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 11/02/2011
Date Data Arrived at EDR: 11/04/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 7

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/30/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/01/2011
Date Data Arrived at EDR: 11/01/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 10

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 02/03/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Varies

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 01/16/2012
Next Scheduled EDR Contact: 04/30/2012
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

ENG CONTROLS: Registry of Engineering Controls

Environmental Remediation sites that have engineering controls in place.

Date of Government Version: 11/22/2011
Date Data Arrived at EDR: 11/22/2011
Date Made Active in Reports: 12/22/2011
Number of Days to Update: 30

Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 02/24/2012
Next Scheduled EDR Contact: 06/04/2012
Data Release Frequency: Quarterly

INST CONTROL: Registry of Institutional Controls

Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 11/22/2011
Date Data Arrived at EDR: 11/22/2011
Date Made Active in Reports: 12/22/2011
Number of Days to Update: 30

Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 02/24/2012
Next Scheduled EDR Contact: 06/04/2012
Data Release Frequency: Quarterly

RES DECL: Restrictive Declarations Listing

A restrictive declaration is a covenant running with the land which binds the present and future owners of the property. As a condition of certain special permits, the City Planning Commission may require an applicant to sign and record a restrictive declaration that places specified conditions on the future use and development of the property. Certain restrictive declarations are indicated by a D on zoning maps.

Date of Government Version: 11/18/2010
Date Data Arrived at EDR: 12/23/2010
Date Made Active in Reports: 02/11/2011
Number of Days to Update: 50

Source: NYC Department of City Planning
Telephone: 212-720-3401
Last EDR Contact: 12/30/2011
Next Scheduled EDR Contact: 04/09/2012
Data Release Frequency: No Update Planned

State and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Agreements

New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. The Voluntary Cleanup Program was developed to enhance private sector cleanup of brownfields by enabling parties to remediate sites using private rather than public funds and to reduce the development pressures on "greenfield" sites.

Date of Government Version: 11/22/2011
Date Data Arrived at EDR: 11/22/2011
Date Made Active in Reports: 12/22/2011
Number of Days to Update: 30

Source: Department of Environmental Conservation
Telephone: 518-402-9711
Last EDR Contact: 02/24/2012
Next Scheduled EDR Contact: 06/04/2012
Data Release Frequency: Semi-Annually

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 08/04/2011
Date Data Arrived at EDR: 10/04/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 38

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 01/06/2012
Next Scheduled EDR Contact: 04/16/2012
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

State and tribal Brownfields sites

ERP: Environmental Restoration Program Listing

In an effort to spur the cleanup and redevelopment of brownfields, New Yorkers approved a $200 million Environmental Restoration or Brownfields Fund as part of the $1.75 billion Clean Water/Clean Air Bond Act of 1996 (1996 Bond Act). Enhancements to the program were enacted on October 7, 2003. Under the Environmental Restoration Program, the State provides grants to municipalities to reimburse up to 90 percent of on-site eligible costs and 100% of off-site eligible costs for site investigation and remediation activities. Once remediated, the property may then be reused for commercial, industrial, residential or public use.

Date of Government Version: 11/22/2011
Date Data Arrived at EDR: 11/22/2011
Date Made Active in Reports: 12/22/2011
Number of Days to Update: 30

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 02/24/2012
Next Scheduled EDR Contact: 06/04/2012
Data Release Frequency: Quarterly

BROWNFIELDS: Brownfields Site List

A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

Date of Government Version: 11/22/2011
Date Data Arrived at EDR: 11/22/2011
Date Made Active in Reports: 12/22/2011
Number of Days to Update: 30

Source: Department of Environmental Conservation
Telephone: 518-402-9764
Last EDR Contact: 02/24/2012
Next Scheduled EDR Contact: 06/04/2012
Data Release Frequency: Semi-Annually

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/27/2011
Date Data Arrived at EDR: 06/27/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 78

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/27/2011
Next Scheduled EDR Contact: 04/09/2012
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 12/21/2011
Next Scheduled EDR Contact: 04/09/2012
Data Release Frequency: No Update Planned

SWRCY: Registered Recycling Facility List

A listing of recycling facilities.

Date of Government Version: 01/11/2012
Date Data Arrived at EDR: 01/11/2012
Date Made Active in Reports: 01/27/2012
Number of Days to Update: 16

Source: Department of Environmental Conservation
Telephone: 518-402-8705
Last EDR Contact: 01/09/2012
Next Scheduled EDR Contact: 04/23/2012
Data Release Frequency: Semi-Annually

SWTIRE: Registered Waste Tire Storage & Facility List

A listing of facilities registered to accept waste tires.

Date of Government Version: 08/01/2006
Date Data Arrived at EDR: 11/15/2006
Date Made Active in Reports: 11/30/2006
Number of Days to Update: 15

Source: Department of Environmental Conservation
Telephone: 518-402-8694
Last EDR Contact: 01/27/2012
Next Scheduled EDR Contact: 05/07/2012
Data Release Frequency: Annually

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 02/06/2012
Next Scheduled EDR Contact: 05/21/2012
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 10/07/2011
Date Data Arrived at EDR: 12/09/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 32

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 12/05/2011
Next Scheduled EDR Contact: 03/19/2012
Data Release Frequency: Quarterly

DEL SHWS: Delisted Registry Sites
A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

Date of Government Version: 08/23/2011
Date Data Arrived at EDR: 08/25/2011
Date Made Active in Reports: 09/16/2011
Number of Days to Update: 22

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 02/24/2012
Next Scheduled EDR Contact: 06/04/2012
Data Release Frequency: Annually

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

Local Lists of Registered Storage Tanks

HIST UST: Historical Petroleum Bulk Storage Database
These facilities have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. It is no longer updated due to the sensitive nature of the information involved. See UST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: Varies

HIST AST: Historical Petroleum Bulk Storage Database

These facilities have petroleum storage capabilities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. No longer updated due to the sensitive nature of the information involved. See AST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 09/09/2011
Date Data Arrived at EDR: 09/16/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 01/30/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/20/2012
Next Scheduled EDR Contact: 06/04/2012
Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 10/04/2011
Date Data Arrived at EDR: 10/04/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 38

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 01/03/2012
Next Scheduled EDR Contact: 04/16/2012
Data Release Frequency: Annually

SPILLS: Spills Information Database

Data collected on spills reported to NYSDEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

Date of Government Version: 11/22/2011
Date Data Arrived at EDR: 11/23/2011
Date Made Active in Reports: 12/28/2011
Number of Days to Update: 35

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 02/24/2012
Next Scheduled EDR Contact: 06/04/2012
Data Release Frequency: Varies

HIST SPILLS: SPILLS Database

This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA-NonGen: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/15/2011
Date Data Arrived at EDR: 07/07/2011
Date Made Active in Reports: 08/08/2011
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 01/05/2012
Next Scheduled EDR Contact: 04/16/2012
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/29/2011
Date Data Arrived at EDR: 08/09/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 94

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 02/07/2012
Next Scheduled EDR Contact: 05/21/2012
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 01/20/2012
Next Scheduled EDR Contact: 04/30/2012
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 08/12/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 112

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 12/09/2011
Next Scheduled EDR Contact: 03/26/2012
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 01/25/2012
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 36

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 12/27/2011
Next Scheduled EDR Contact: 04/16/2012
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 09/28/2011
Date Data Arrived at EDR: 12/14/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 27

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 12/14/2011
Next Scheduled EDR Contact: 03/26/2012
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/28/2012
Next Scheduled EDR Contact: 06/11/2012
Data Release Frequency: Varies

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/18/2011
Date Data Arrived at EDR: 09/08/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 21

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 12/07/2011
Next Scheduled EDR Contact: 03/19/2012
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 09/01/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 131

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/28/2012
Next Scheduled EDR Contact: 06/11/2012
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/27/2011
Next Scheduled EDR Contact: 04/09/2012
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 02/27/2012
Next Scheduled EDR Contact: 06/11/2012
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 02/27/2012
Next Scheduled EDR Contact: 06/11/2012
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems
Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/30/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System
The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/20/2011
Date Data Arrived at EDR: 11/10/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 12/21/2011
Next Scheduled EDR Contact: 04/09/2012
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/01/2010
Date Data Arrived at EDR: 11/10/2010
Date Made Active in Reports: 02/16/2011
Number of Days to Update: 98

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/20/2012
Next Scheduled EDR Contact: 04/30/2012
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 06/21/2011
Date Data Arrived at EDR: 07/15/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 60

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 12/12/2011
Next Scheduled EDR Contact: 03/26/2012
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/10/2012
Date Data Arrived at EDR: 01/12/2012
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 49

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 01/12/2012
Next Scheduled EDR Contact: 04/23/2012
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 10/23/2011
Date Data Arrived at EDR: 12/13/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 79

Source: EPA
Telephone: (212) 637-3000
Last EDR Contact: 12/13/2011
Next Scheduled EDR Contact: 03/26/2012
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 03/01/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 62

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 02/27/2012
Next Scheduled EDR Contact: 06/11/2012
Data Release Frequency: Biennially

HSWDS: Hazardous Substance Waste Disposal Site Inventory

The list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-Registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity. The last version of the study inventory is frozen in time. The sites on the study will not automatically be made Superfund sites, rather each site will be further evaluated for listing on the Registry. So overtime they will be added to the registry or not.

Date of Government Version: 01/01/2003
Date Data Arrived at EDR: 10/20/2006
Date Made Active in Reports: 11/30/2006
Number of Days to Update: 41

Source: Department of Environmental Conservation
Telephone: 518-402-9564
Last EDR Contact: 05/26/2009
Next Scheduled EDR Contact: 08/24/2009
Data Release Frequency: No Update Planned

UIC: Underground Injection Control Wells

A listing of enhanced oil recovery underground injection wells.

Date of Government Version: 12/12/2011
Date Data Arrived at EDR: 12/14/2011
Date Made Active in Reports: 01/24/2012
Number of Days to Update: 41

Source: Department of Environmental Conservation
Telephone: 518-402-8056
Last EDR Contact: 12/14/2011
Next Scheduled EDR Contact: 03/26/2012
Data Release Frequency: Quarterly

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 11/01/2011
Date Data Arrived at EDR: 11/08/2011
Date Made Active in Reports: 12/22/2011
Number of Days to Update: 44

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 02/09/2012
Next Scheduled EDR Contact: 05/21/2012
Data Release Frequency: Annually

DRYCLEANERS: Registered Drycleaners

A listing of all registered drycleaning facilities.

Date of Government Version: 12/20/2011
Date Data Arrived at EDR: 12/30/2011
Date Made Active in Reports: 01/25/2012
Number of Days to Update: 26

Source: Department of Environmental Conservation
Telephone: 518-402-8403
Last EDR Contact: 12/20/2011
Next Scheduled EDR Contact: 04/02/2012
Data Release Frequency: Varies

SPDES: State Pollutant Discharge Elimination System

New York State has a state program which has been approved by the United States Environmental Protection Agency for the control of wastewater and stormwater discharges in accordance with the Clean Water Act. Under New York State law the program is known as the State Pollutant Discharge Elimination System (SPDES) and is broader in scope than that required by the Clean Water Act in that it controls point source discharges to groundwaters as well as surface waters.

Date of Government Version: 10/18/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 11/15/2011
Number of Days to Update: 27

Source: Department of Environmental Conservation
Telephone: 518-402-8233
Last EDR Contact: 01/16/2012
Next Scheduled EDR Contact: 04/30/2012
Data Release Frequency: No Update Planned

AIRS: Air Emissions Data
Point source emissions inventory data.

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 08/24/2011
Date Made Active in Reports: 11/03/2011
Number of Days to Update: 71

Source: Department of Environmental Conservation
Telephone: 518-402-8452
Last EDR Contact: 01/30/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Annually

E DESIGNATION: E DESIGNATION SITE LISTING
The (E (Environmental)) designation would ensure that sampling and remediation take place on the subject properties, and would avoid any significant impacts related to hazardous materials at these locations. The (E) designations would require that the fee owner of the sites conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings pursuant to the provisions of Section 11-15 of the Zoning Resolution (Environmental Requirements). The (E) designations also include a mandatory construction-related health and safety plan which must be approved by NYCDEP.

Date of Government Version: 10/05/2011
Date Data Arrived at EDR: 01/03/2012
Date Made Active in Reports: 01/25/2012
Number of Days to Update: 22

Source: New York City Department of City Planning
Telephone: 718-595-6658
Last EDR Contact: 12/27/2011
Next Scheduled EDR Contact: 04/09/2012
Data Release Frequency: Varies

INDIAN RESERV: Indian Reservations
This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/20/2012
Next Scheduled EDR Contact: 04/30/2012
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing
The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/06/2012
Next Scheduled EDR Contact: 05/07/2012
Data Release Frequency: Varies

FINANCIAL ASSURANCE 2: Financial Assurance Information Listing
A listing of financial assurance information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 10/31/2008
Date Data Arrived at EDR: 11/25/2008
Date Made Active in Reports: 12/11/2008
Number of Days to Update: 16

Source: Department of Environmental Conservation
Telephone: 518-402-8712
Last EDR Contact: 01/09/2012
Next Scheduled EDR Contact: 04/23/2012
Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 01/18/2012
Next Scheduled EDR Contact: 04/30/2012
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010
Date Data Arrived at EDR: 01/03/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 12/08/2011
Next Scheduled EDR Contact: 03/26/2012
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 02/03/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Varies

FINANCIAL ASSURANCE 1: Financial Assurance Information Listing
Financial assurance information.

Date of Government Version: 01/10/2012
Date Data Arrived at EDR: 01/11/2012
Date Made Active in Reports: 01/27/2012
Number of Days to Update: 16

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 01/09/2012
Next Scheduled EDR Contact: 04/23/2012
Data Release Frequency: Quarterly

COAL ASH: Coal Ash Disposal Site Listing
A listing of coal ash disposal site locations.

Date of Government Version: 01/11/2012
Date Data Arrived at EDR: 01/11/2012
Date Made Active in Reports: 01/27/2012
Number of Days to Update: 16

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 01/09/2012
Next Scheduled EDR Contact: 04/23/2012
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands
Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 01/20/2012
Next Scheduled EDR Contact: 04/30/2012
Data Release Frequency: N/A

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

COUNTY RECORDS

CORTLAND COUNTY:

Cortland County Storage Tank Listing
A listing of aboveground storage tank sites located in Cortland County.

Date of Government Version: 12/14/2011
Date Data Arrived at EDR: 12/15/2011
Date Made Active in Reports: 01/25/2012
Number of Days to Update: 41

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 02/06/2012
Next Scheduled EDR Contact: 05/21/2012
Data Release Frequency: Quarterly

Cortland County Storage Tank Listing
A listing of underground storage tank sites located in Cortland County.

Date of Government Version: 12/14/2011
Date Data Arrived at EDR: 12/15/2011
Date Made Active in Reports: 01/25/2012
Number of Days to Update: 41

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 02/06/2012
Next Scheduled EDR Contact: 05/21/2012
Data Release Frequency: Quarterly

NASSAU COUNTY:

Registered Tank Database
A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 05/21/2003
Date Data Arrived at EDR: 05/27/2003
Date Made Active in Reports: 06/09/2003
Number of Days to Update: 13

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 01/09/2012
Next Scheduled EDR Contact: 04/23/2012
Data Release Frequency: No Update Planned

Storage Tank Database
A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 02/06/2012
Next Scheduled EDR Contact: 05/21/2012
Data Release Frequency: Varies

Registered Tank Database
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 05/21/2003
Date Data Arrived at EDR: 05/27/2003
Date Made Active in Reports: 06/09/2003
Number of Days to Update: 13

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 01/09/2012
Next Scheduled EDR Contact: 04/23/2012
Data Release Frequency: No Update Planned

Storage Tank Database
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 02/06/2012
Next Scheduled EDR Contact: 05/21/2012
Data Release Frequency: Varies

ROCKLAND COUNTY:

Petroleum Bulk Storage Database
A listing of aboveground storage tank sites located in Rockland County.

Date of Government Version: 12/19/2011
Date Data Arrived at EDR: 12/20/2011
Date Made Active in Reports: 01/25/2012
Number of Days to Update: 36

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 12/12/2011
Next Scheduled EDR Contact: 03/26/2012
Data Release Frequency: Quarterly

Petroleum Bulk Storage Database
A listing of underground storage tank sites located in Rockland County.

Date of Government Version: 12/19/2011
Date Data Arrived at EDR: 12/20/2011
Date Made Active in Reports: 01/25/2012
Number of Days to Update: 36

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 12/12/2011
Next Scheduled EDR Contact: 03/26/2012
Data Release Frequency: Quarterly

SUFFOLK COUNTY:

Storage Tank Database
A listing of aboveground storage tank sites located in Suffolk County.

Date of Government Version: 09/13/2006
Date Data Arrived at EDR: 01/11/2007
Date Made Active in Reports: 02/07/2007
Number of Days to Update: 27

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 02/06/2012
Next Scheduled EDR Contact: 05/21/2012
Data Release Frequency: Annually

Storage Tank Database
A listing of underground storage tank sites located in Suffolk County.

Date of Government Version: 09/13/2006
Date Data Arrived at EDR: 01/11/2007
Date Made Active in Reports: 02/07/2007
Number of Days to Update: 27

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 02/06/2012
Next Scheduled EDR Contact: 05/21/2012
Data Release Frequency: Annually

WESTCHESTER COUNTY:

Listing of Storage Tanks
A listing of aboveground storage tank sites located in Westchester County.

Date of Government Version: 12/09/2011
Date Data Arrived at EDR: 12/09/2011
Date Made Active in Reports: 12/29/2011
Number of Days to Update: 20

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 02/06/2012
Next Scheduled EDR Contact: 05/21/2012
Data Release Frequency: Varies

Listing of Storage Tanks
A listing of underground storage tank sites located in Westchester County.

Date of Government Version: 12/09/2011
Date Data Arrived at EDR: 12/09/2011
Date Made Active in Reports: 12/29/2011
Number of Days to Update: 20

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 02/06/2012
Next Scheduled EDR Contact: 05/21/2012
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 11/21/2011
Date Data Arrived at EDR: 11/22/2011
Date Made Active in Reports: 12/22/2011
Number of Days to Update: 30

Source: Department of Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 02/20/2012
Next Scheduled EDR Contact: 06/04/2012
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 07/20/2011
Date Made Active in Reports: 08/11/2011
Number of Days to Update: 22

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 01/20/2012
Next Scheduled EDR Contact: 04/30/2012
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 12/01/2009
Date Made Active in Reports: 12/14/2009
Number of Days to Update: 13

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/23/2012
Next Scheduled EDR Contact: 05/07/2012
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 06/24/2011
Date Made Active in Reports: 06/30/2011
Number of Days to Update: 6

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/27/2012
Next Scheduled EDR Contact: 06/11/2012
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data
Hazardous waste manifest information.

Date of Government Version: 11/28/2011
Date Data Arrived at EDR: 12/02/2011
Date Made Active in Reports: 01/11/2012
Number of Days to Update: 40

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 01/23/2012
Next Scheduled EDR Contact: 05/07/2012
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 08/19/2011
Date Made Active in Reports: 09/15/2011
Number of Days to Update: 27

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/19/2011
Next Scheduled EDR Contact: 04/02/2012
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: Rextag Strategies Corp.
Telephone: (281) 769-2247
U.S. Electric Transmission and Power Plants Systems Digital GIS Data

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Providers
Source: Department of Health
Telephone: 212-676-2444

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

FORMER AMSTERDAM COLOR WORKS
1538-1546 STILLWELL AVENUE
BRONX, NY 10461

TARGET PROPERTY COORDINATES

Latitude (North):	40.8538 - 40˚ 51' 13.68''
Longitude (West):	73.8419 - 73˚ 50' 30.84''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	597616.5
UTM Y (Meters):	4522961.5
Elevation:	21 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	40073-G7 FLUSHING, NY
Most Recent Revision:	1995

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

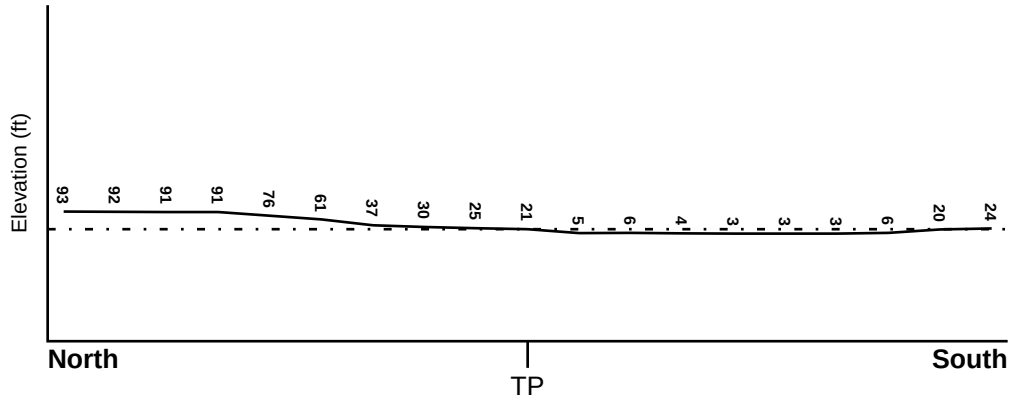
TOPOGRAPHIC INFORMATION

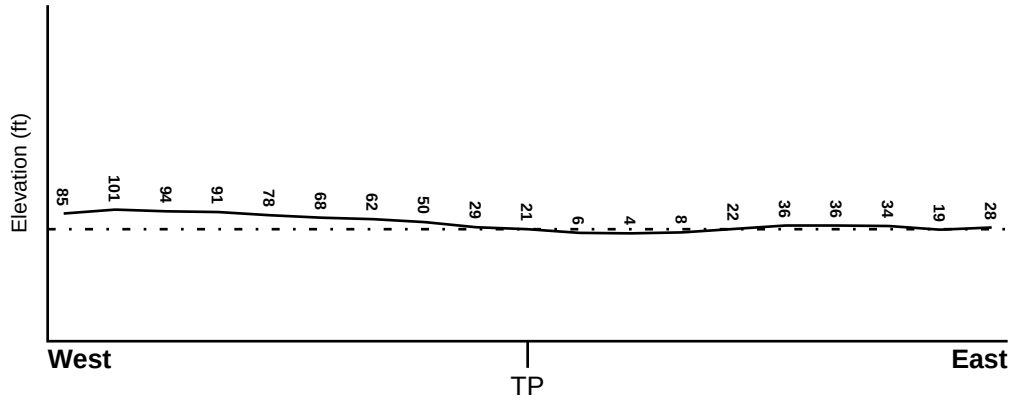
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General ESE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 21 ft.

0 1/2 1 Miles

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
BRONX, NY	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 360497 - FEMA DFIRM Flood data

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
FLUSHING	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius: 1.25 miles
Status: Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Paleozoic
System:	Ordovician
Series:	Middle Ordovician (Mohawkian)
Code:	O2 *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	URBAN LAND
Soil Surface Texture:	variable
Hydrologic Group:	Not reported
Soil Drainage Class:	Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel:	Not Reported
Depth to Bedrock Min:	> 10 inches
Depth to Bedrock Max:	> 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: silt loam
loamy sand
sandy loam
fine sandy loam

Surficial Soil Types: silt loam
loamy sand
sandy loam
fine sandy loam

Shallow Soil Types: sandy loam

Deeper Soil Types: unweathered bedrock
very gravelly - loamy sand
stratified
sandy loam

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS2113750	1/4 - 1/2 Mile WSW
2	USGS2114052	1/2 - 1 Mile South

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 3269495.2s

0 1/4 1/2 1 Miles

- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: Former Amsterdam Color Works	CLIENT: Whitestone Associates, Inc.
ADDRESS: 1538-1546 Stillwell Avenue Bronx NY 10461	CONTACT: Victoria Ryback INQUIRY #: 3269495.2s
LAT/LONG: 40.8538 / 73.8419	DATE: March 01, 2012 5:53 pm

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Map ID Direction Distance Elevation	Database	EDR ID Number
1 **WSW** **1/4 - 1/2 Mile** **Higher**	**FED USGS**	**USGS2113750**

Agency cd:	USGS	Site no:	405104073505201
Site name:	B 62		
Latitude:	405104	EDR Site id:	USGS2113750
Longitude:	0735052	Dec lat:	40.85121136
Dec lon:	-73.84735689	Coor meth:	M
Coor accr:	R	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	005
Country:	US	Land net:	Not Reported
Location map:	FLUSHING R-25-3	Map scale:	Not Reported
Altitude:	63		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Test hole, not completed as a well		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	18	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

---

2 **South** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS2114052**

Agency cd:	USGS	Site no:	405022073503001
Site name:	B 29		
Latitude:	405022	EDR Site id:	USGS2114052
Longitude:	0735030	Dec lat:	40.83954491
Dec lon:	-73.84124565	Coor meth:	M
Coor accr:	R	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	005
Country:	US	Land net:	Not Reported
Location map:	FLUSHING R-25-3	Map scale:	Not Reported

Altitude:	15		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SAND		
Well depth:	70	Hole depth:	Not Reported
Source of depth data:	reporting agency (generally USGS)		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for BRONX County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for BRONX COUNTY, NY

Number of sites tested: 31

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	0.670 pCi/L	96%	4%	0%
Basement	1.110 pCi/L	42%	58%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

HYDROGEOLOGIC INFORMATION

AQUIFLOW[R] Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

New York Public Water Wells
Source: New York Department of Health
Telephone: 518-458-6731

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database
Department of Environmental Conservation
Telephone: 518-402-8072
These files contain records, in the database, of wells that have been drilled.

RADON

State Database: NY Radon
Source: Department of Health
Telephone: 518-402-7556
Radon Test Results

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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APPENDIX 3
FOIL Requests, Responses & Records of Communication

Freedom of Information Act (FOIA)

You are here: EPA Home FOIA Online Request Form

Freedom of Information Act (FOIA) Online Request Form for EPA Documents

This form is used for making requests for EPA documents.

Complete details about the FOIA process are explained in the Reference Guide.

CAUTION: Any information you submit is not secure, and could be observed by a third party.

Need Immediate Assistance?

Call the National FOIA Hotline at: (202) 566-1667

Or **Your Local FOIA Office**

Your Name	Victoria Ryback
Company/Organization	Whitestone Associates, Inc.
Mailing Address	35 Technology Drive
City	Warren
State	NJ
ZIP Code	07059
E-Mail Address*	vryback@whitestoneassoc.com

* Providing an e-mail address allows EPA to communicate with you electronically when appropriate. You will also receive an e-mail confirmation of this request.

Phone Number	908-668-7777
Fax Number	908-754-5936

Description of Records

Provide a description of the records you are seeking in a way that will permit EPA to identify and locate them. If you are seeking records relating to a facility, site or regulated entity, please include the complete name and address of each property you are inquiring about.

For site specific FOIA requests, please check MyProperty before filing your FOIA request.

Description

Vacant Land, 1547 Bassett Avenue, Bronx, Bronx County, NY 10461, Block 4226, Lot 290

Please provide any records pertaining to waste generation, spill/contaminant releases and

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

APPLICATION FOR ACCESS TO RECORDS

(See Instructions on Reverse Side)

NUMBER

APPLICANT

- **TO THE DEPARTMENT OF ENVIRONMENTAL CONSERVATION:**

I hereby apply to inspect the following records under the provisions of the Freedom of Information Law:

Vacant Land, 1547 Bassett Avenue, Bronx, Bronx County, Block 4226, Lot 290; Owner: Amsterdam Color Works

Any files pertaining to environmental investigations, underground storage tanks, contaminant releases, corrective actions, incidents, fires, citations, etc.

After inspection, should I desire copies of all or part of the records inspected, I will identify the records to be copied and hereby offer to promptly pay the established fees. (Cost of reproduction or 25¢ per page as applicable). Contact me if cost will exceed $ 0/00.

Name (Print or type) Victoria Ryback Telephone No. 908-668-7777

Attention of: Whitestone Associates, Inc. Fax - 908-754-5936

Mailing Address 35 Technology Drive, Warren, New Jersey 07059

Signature Victoria Ryback Date 3-2-12

RECORDS CUSTODIAN

- **TO THE APPLICANT:**

–Records Provided

☐ The reproduction costs for the records provided are $ _____

☐ Records have been (partially, fully) provided. (If not fully provided, date when records are expected to be fully provided: _____)

–Records Not Available

☐ Records cannot be found after diligent search

☐ The Department is not the custodian for records indicated

–Records Denied

I hereby certify that access to the records–or part of the records–circled above has been denied to the applicant for the reason(s) checked below:

☐ Specifically exempt by other statute

☐ Unwarranted invasion of personal privacy

☐ Would impair present or imminent contract awards or collective bargaining negotiations

☐ Are examination questions or answers

☐ Are inter-agency or intra-agency materials that are not:
- statistical or factual tabulations or data
- instructions to staff that affect the public
- final agency policy or determinations; or
- external audits, including but not limited to audits performed by the comptroller and the federal government

☐ Are trade secrets

☐ Would endanger the life of any person

☐ Are compiled for law enforcement purposes and which, if disclosed would:
- interfere with law enforcement investigations or judicial proceedings
- deprive a person of the right to a fair trial or or impartial adjudication
- identify a confidential source or disclose confidential information relating to a criminal investigation, or
- reveal criminal investigative techniques or procedures, except routine techniques and procedures

☐ Would jeopardize an agency's capacity to guarantee the security of its information technology assets, such assets encompassing both electronic information systems and infrastructures

Identification of records withheld (attach listing if additional space is required) and/or explanation if appropriate:

Records Custodian Signature _____ Title _____ Date _____

WHITESTONE ASSOCIATES, INC.
ENVIRONMENTAL & GEOTECHNICAL ENGINEERS & CONSULTANTS

35 TECHNOLOGY DRIVE
WARREN, NJ 07059
908.668.7777
FAX 908.754.5936
www.whitestoneassoc.com

March 2, 2012

NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION
59-17 Junction Boulevard
Corona, New York 11368
(718) 595-6530 (tel.)

Attention: Marie A. Dooley
Assistant Counsel

Sent by regular mail

Regarding: **REQUEST FOR INFORMATION AND ACCESS TO PUBLIC FILES**
VACANT LAND
OWNER: AMSTERDAM COLOR WORKS
1547 BASSETT AVENUE
BLOCK 4226, LOT 290
BRONX, BRONX COUNTY, NEW YORK
WHITESTONE PROJECT NO.: EJ1111829.001

Dear Ms. Dooley:

Whitestone Associates, Inc. is conducting a Phase I Environmental Site Assessment at the above-referenced locations. Pursuant to the *Freedom of Information Law*, Whitestone requests the opportunity to access, review, and copy any available files addressing or pertinent to environmental investigations, underground storage tanks (USTs), corrective actions, contaminant releases, incidents, fires, hazardous materials storage, citations, notices of violation, or other areas of concern at the above referenced properties.

I appreciate your prompt attention to these matters, and would like to establish a date to access and review any site files as soon as possible. Please contact me at (908) 668-7777 with any questions regarding this request. Please make reference to Whitestone's project number in your reply.

Sincerely,

WHITESTONE ASSOCIATES, INC.

Victoria Ryback

Victoria Ryback
Environmental Specialist

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WHITESTONE ASSOCIATES, INC.
ENVIRONMENTAL & GEOTECHNICAL ENGINEERS & CONSULTANTS

35 TECHNOLOGY DRIVE
WARREN, NJ 07059
908.668.7777
FAX 908.754.5936
www.whitestoneassoc.com

March 2, 2012

NEW YORK CITY DEPARTMENT OF HEALTH
125 Worth Street
Room 604, Box 31
New York, New York 10013
(212) 788-5010 (tel.)

Attention: Renee Bryant
Records Access Officer

Sent by regular mail

Regarding: REQUEST FOR INFORMATION AND ACCESS TO PUBLIC FILES
VACANT LAND
OWNER: AMSTERDAM COLOR WORKS
1547 BASSETT AVENUE
BLOCK 4226, LOT 290
BRONX, BRONX COUNTY, NEW YORK
WHITESTONE PROJECT NO.: EJ1111829.001

Dear Ms. Bryant:

Whitestone Associates, Inc. is conducting a Phase I Environmental Site Assessment at the above-referenced locations. Pursuant to the *Freedom of Information Law*, Whitestone requests the opportunity to access, review, and copy any available files addressing or pertinent to environmental investigations, underground storage tanks (USTs), corrective actions, contaminant releases, incidents, fires, hazardous materials storage, citations, notices of violation, or other areas of concern at the above referenced properties.

I appreciate your prompt attention to these matters, and would like to establish a date to access and review any site files as soon as possible. Please contact me at (908) 668-7777 with any questions regarding this request. Please make reference to Whitestone's project number in your reply.

Sincerely,

WHITESTONE ASSOCIATES, INC.

Victoria Ryback

Victoria Ryback
Environmental Specialist

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FIRE DEPARTMENT – CITY OF NEW YORK

Public Records Unit / Tanks Section

9 MetroTech Center
Brooklyn, New York 11201-3857
(718) 999-2441 or 2442

Fuel Tank Special Report Request Form

SECTION A **CUSTOMER INFORMATION**

Please print the required information below.

Victoria Ryback
Name

35 Technology Drive
Address

Warren, NJ 07059
State Zip Code

908-668-7777
Telephone Number

OFFICE USE ONLY

_____
Cashier / Search No.

PRU Staff
Accepted By/Initials: _____

Searched By: _____

Total Amount: _____

Note: Please make sure you complete this form and attach all required documents. Enclose a check or money order made payable to the NYC Fire Department and a stamped self-addressed envelope (with postage). Mail checks or money orders directly to the address and unit listed above. **DO NOT MAIL CASH**.

SECTION B **FUEL TANK REPORT - FEE $10.00 / PER REPORT**

1547 Bassett Avenue Bronx, Bronx County, NY
House Number Street Name Borough

- [x] THE TOTAL AMOUNT AND SIZE OF EXISTING FUEL OIL / HEATING TANKS
- [x] THE TOTAL AMOUNT AND SIZE OF REMOVED OR SEALED FUEL OIL / HEATING TANKS
- [ ] THE TOTAL AMOUNT AND SIZE OF EXISTING BURIED MOTOR VEHICLE TANKS
- [ ] THE TOTAL AMOUNT AND SIZE OF REMOVED OR SEALED BURIED MOTOR VEHICLE TANKS
- [ ] MOST RECENT TANK / PIPING TEST RESULTS
- [ ] HISTORY OF BURIED TANKS LEAKS

Note: Requests will be responded to within 10 business days.

PR3 (July-08)

Freedom of Information Act (FOIA)

You are here: EPA Home FOIA Online Request Form

Freedom of Information Act (FOIA) Online Request Form for EPA Documents

This form is used for making requests for EPA documents.

Complete details about the FOIA process are explained in the Reference Guide.

CAUTION: Any information you submit is not secure, and could be observed by a third party.

Need Immediate Assistance?

Call the National FOIA Hotline at: (202) 566-1667

Or **Your Local FOIA Office**

Your Name	Victoria Ryback
Company/Organization	Whitestone Associates, Inc.
Mailing Address	35 Technology Drive
City	Warren
State	NJ
ZIP Code	07059
E-Mail Address*	vryback@whitestoneassoc.com

* Providing an e-mail address allows EPA to communicate with you electronically when appropriate. You will also receive an e-mail confirmation of this request.

Phone Number	908-668-7777
Fax Number	908-754-5936

Description of Records

Provide a description of the records you are seeking in a way that will permit EPA to identify and locate them. If you are seeking records relating to a facility, site or regulated entity, please include the complete name and address of each property you are inquiring about.

For site specific FOIA requests, please check MyProperty before filing your FOIA request.

Description

Former Amsterdam Color Works, 1538 Stillwell Avenue, Bronx, Bronx County, NY 10461, Block 4219, Lot 16

Please provide any records pertaining to waste

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

APPLICATION FOR ACCESS TO RECORDS

(See Instructions on Reverse Side)

NUMBER

APPLICANT

- **TO THE DEPARTMENT OF ENVIRONMENTAL CONSERVATION:**

I hereby apply to inspect the following records under the provisions of the Freedom of Information Law:

Former Amsterdam Color Works, 1538 Stillwell Avenue, Bronx, Bronx County, Block 4219, Lot 16; Owner: Stephen Offerman

Any files pertaining to environmental investigations, underground storage tanks, contaminant releases, corrective actions, incidents, fires, citations, etc.

After inspection, should I desire copies of all or part of the records inspected, I will identify the records to be copied and hereby offer to promptly pay the established fees. (Cost of reproduction or 25¢ per page as applicable). Contact me if cost will exceed $ 0/00.

Name (Print or type) Victoria Ryback Telephone No. 908-668-7777

Attention of: Whitestone Associates, Inc. Fax - 908-754-5936

Mailing Address 35 Technology Drive, Warren, New Jersey 07059

Signature Victoria Ryback Date 3-2-12

RECORDS CUSTODIAN

- **TO THE APPLICANT:**

–Records Provided

☐ The reproduction costs for the records provided are $ _____

☐ Records have been (partially, fully) provided. (If not fully provided, date when records are expected to be fully provided: _____)

–Records Not Available

☐ Records cannot be found after diligent search

☐ The Department is not the custodian for records indicated

–Records Denied

I hereby certify that access to the records–or part of the records–circled above has been denied to the applicant for the reason(s) checked below:

☐ Specifically exempt by other statute

☐ Unwarranted invasion of personal privacy

☐ Would impair present or imminent contract awards or collective bargaining negotiations

☐ Are examination questions or answers

☐ Are inter-agency or intra-agency materials that are not:
- statistical or factual tabulations or data
- instructions to staff that affect the public
- final agency policy or determinations; or
- external audits, including but not limited to audits performed by the comptroller and the federal government

☐ Are trade secrets

☐ Would endanger the life of any person

☐ Are compiled for law enforcement purposes and which, if disclosed would:
- interfere with law enforcement investigations or judicial proceedings
- deprive a person of the right to a fair trial or or impartial adjudication
- identify a confidential source or disclose confidential information relating to a criminal investigation, or
- reveal criminal investigative techniques or procedures, except routine techniques and procedures

☐ Would jeopardize an agency's capacity to guarantee the security of its information technology assets, such assets encompassing both electronic information systems and infrastructures

Identification of records withheld (attach listing if additional space is required) and/or explanation if appropriate:

Records Custodian Signature _____ Title _____ Date _____

WHITESTONE ASSOCIATES, INC.
ENVIRONMENTAL & GEOTECHNICAL ENGINEERS & CONSULTANTS

35 TECHNOLOGY DRIVE
WARREN, NJ 07059
908.668.7777
FAX 908.754.5936
www.whitestoneassoc.com

March 2, 2012

NEW YORK CITY DEPARTMENT OF HEALTH
125 Worth Street
Room 604, Box 31
New York, New York 10013
(212) 788-5010 (tel.)

Attention: Renee Bryant
Records Access Officer

Sent by regular mail

Regarding: **REQUEST FOR INFORMATION AND ACCESS TO PUBLIC FILES**
FORMER AMSTERDAM COLOR WORKS
OWNER: STEPHEN OFFERMAN
1538 STILLWELL AVENUE
BLOCK 4219, LOT 16
BRONX, BRONX COUNTY, NEW YORK
WHITESTONE PROJECT NO.: EJ1111829.001

Dear Ms. Bryant:

Whitestone Associates, Inc. is conducting a Phase I Environmental Site Assessment at the above-referenced locations. Pursuant to the *Freedom of Information Law*, Whitestone requests the opportunity to access, review, and copy any available files addressing or pertinent to environmental investigations, underground storage tanks (USTs), corrective actions, contaminant releases, incidents, fires, hazardous materials storage, citations, notices of violation, or other areas of concern at the above referenced properties.

I appreciate your prompt attention to these matters, and would like to establish a date to access and review any site files as soon as possible. Please contact me at (908) 668-7777 with any questions regarding this request. Please make reference to Whitestone's project number in your reply.

Sincerely,

WHITESTONE ASSOCIATES, INC.

Victoria Ryback

Victoria Ryback
Environmental Specialist

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WHITESTONE ASSOCIATES, INC.
ENVIRONMENTAL & GEOTECHNICAL ENGINEERS & CONSULTANTS

35 TECHNOLOGY DRIVE
WARREN, NJ 07059
908.668.7777
FAX 908.754.5936
www.whitestoneassoc.com

March 2, 2012

NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION
59-17 Junction Boulevard
Corona, New York 11368
(718) 595-6530 (tel.)

Attention: Marie A. Dooley
Assistant Counsel

Sent by regular mail

Regarding: REQUEST FOR INFORMATION AND ACCESS TO PUBLIC FILES
FORMER AMSTERDAM COLOR WORKS
OWNER: STEPHEN OFFERMAN
1538 STILLWELL AVENUE
BLOCK 4219, LOT 16
BRONX, BRONX COUNTY, NEW YORK
WHITESTONE PROJECT NO.: EJ1111829.001

Dear Ms. Dooley:

Whitestone Associates, Inc. is conducting a Phase I Environmental Site Assessment at the above-referenced locations. Pursuant to the *Freedom of Information Law*, Whitestone requests the opportunity to access, review, and copy any available files addressing or pertinent to environmental investigations, underground storage tanks (USTs), corrective actions, contaminant releases, incidents, fires, hazardous materials storage, citations, notices of violation, or other areas of concern at the above referenced properties.

I appreciate your prompt attention to these matters, and would like to establish a date to access and review any site files as soon as possible. Please contact me at (908) 668-7777 with any questions regarding this request. Please make reference to Whitestone's project number in your reply.

Sincerely,

WHITESTONE ASSOCIATES, INC.

Victoria Ryback

Victoria Ryback
Environmental Specialist

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FIRE DEPARTMENT – CITY OF NEW YORK

Public Records Unit / Tanks Section

9 MetroTech Center
Brooklyn, New York 11201-3857
(718) 999-2441 or 2442

Fuel Tank Special Report Request Form

SECTION A **CUSTOMER INFORMATION**

Please print the required information below.

Victoria Ryback
Name

35 Technology Drive, Warren
Address

NJ 07059
State Zip Code

908-668-777
Telephone Number

OFFICE USE ONLY

Cashier / Search No.

PRU Staff
Accepted By/Initials:

Searched By:

Total Amount:

Note: Please make sure you complete this form and attach all required documents. Enclose a check or money order made payable to the NYC Fire Department and a stamped self-addressed envelope (with postage). Mail checks or money orders directly to the address and unit listed above. **DO NOT MAIL CASH**.

SECTION B **FUEL TANK REPORT - FEE $10.00 / PER REPORT**

1538 Stillwell Avenue
House Number Street Name

Bronx, Bronx County, NY
Borough

- [x] THE TOTAL AMOUNT AND SIZE OF EXISTING FUEL OIL / HEATING TANKS
- [x] THE TOTAL AMOUNT AND SIZE OF REMOVED OR SEALED FUEL OIL / HEATING TANKS
- [ ] THE TOTAL AMOUNT AND SIZE OF EXISTING BURIED MOTOR VEHICLE TANKS
- [ ] THE TOTAL AMOUNT AND SIZE OF REMOVED OR SEALED BURIED MOTOR VEHICLE TANKS
- [ ] MOST RECENT TANK / PIPING TEST RESULTS
- [ ] HISTORY OF BURIED TANKS LEAKS

Note: Requests will be responded to within 10 business days.

PR3 (July-08)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2
290 Broadway
New York, NY 10007

March 12, 2012

Ms. Victoria Ryback
Whitestone Associates
35 Technology Drive
Warren, NJ 07059

RE: Freedom of Information Act Request Number 02-FOI-00608-12
1538 Stillwell Ave/1547 Bassett Ave both in Bronx, NY/2439 Route 18 & Spring Valley Rd/1440 Parkway Ave in NJS

Dear Ms. Ryback:

The subject location is not listed on the CERCI IS or NFRAP lists at the present time.

CERCLIS is the national database EPA uses as the official inventory of hazardous waste sites considered for cleanup under the CERCLA (Comprehensive Environmental Response, Compensation and Liability Act), also known as Superfund.

As of February 15, 1995, CERCLIS no longer includes sites which EP A has assessed and designated "No Further Remedial Action Planned" (NFRAP). A NFRAP designation means, to the best of EPA's knowledge, Superfund has completed its assessment at a site and determined no further steps would be taken to list these sites on the National Priorities List (NPL) unless information is received at a later time indicating this decision was not appropriate. A NFRAP decision does not necessarily mean that there is no hazard associated with a given site; it means only that based upon available information, the location is not judged to be a potential NPL site.

Also, the absence of a facility from the CERCLIS list should not be construed as a determination by the EPA that the facility has not been affected by the presence of any hazardous waste. The absence of a facility from this list means that EPA has not received information indicating that there has been a release or threat of hazardous substances at or from the facility. Therefore, EPA has not performed an assessment at this location to date. As with any parcel of real property, EPA may be called upon to assess the property for a release of hazardous substances should conditions warrant.

In the interest of saving time and paper, I suggest that in the future you identify the specific properties you have an interest in by accessing the following web sites. The information available through these web sites should address any future inquires you may have. This is the address for the Superfund Information Systems homepage http://www.epa.gov/superfund/sites. From this site you may obtain a list of all sites which are currently on the CERCLIS database and sites archived from CERCLIS. Additionally you can access the RODS database from here as well as download reports or order a variety of site information products on line. This is the site for the National Response Center maintained by the U.S. Coast Guard - www.nrc.uscg.mil/foia.

We do not consider this a denial, but if you do, you have the right to appeal to the Office of Environmental Information, Records, FOIA, and Privacy Branch (2822T), 1200 Pennsylvania Avenue, NW, Washington DC 20460. The appeal must be received at this address no later than 30 calendar days from the date of this letter. The Agency will not consider appeals received after the 30-day limit. The appeal may include as much or as little related information as you wish, as long as it clearly identifies the determination being appealed (including the assigned FOIA number). For quickest possible handling, the appeal letter and its envelope should be marked "Freedom of Information Act Appeal."

This determination applies to Superfund program records; your request has also been assigned to other programs within the Agency for separate replies. Please contact Wanda Calderon, at (212) 637-3668, on any questions concerning your pending request.

Sincerely,

Leslie H. Peterson, Chief
Resource Management/Cost Recovery Section
Emergency and Remedial Response Division

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 290 Broadway
New York, NY 10007

March 19, 2012

Ms. Victoria Ryback
Whitestone Associates
35 Technology Drive
Warren, NJ 07059

Re: Freedom of Information Request No. **02-FOI-00608-12**
Dated: March 02, 2012
Subject: 1538 Stillwell Ave/1547 Bassett Ave both in Bronx, NY/2439 Route 18 & Spring Valley Rd/1440 Parkway Ave in NJS

Dear Ms. Ryback:

Your request for information has been referred to this branch for response. We have searched our databases as appropriate to your request. However, our research did not reveal any air or water information that was responsive to your request. In addition, you may also receive more information from other program areas within this Regional Office.

Please be advised that now you can retrieve the environmental profile of a facility including information regarding toxic chemical releases, water permits, hazardous waste handling processes, "Superfund" status and air emissions from the EPA's web page.

The website is Enforcement & Compliance History Online (ECHO), http://www.epa-echo.gov/echo/compliance_report.html and Envirofacts, http://www.epa.gov/enviro/.

If you consider this response to be a denial, you may submit a written appeal to HQ FOIA OPERATIONS STAFF, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Avenue, N.W., Washington, D.C. 20460. The appeal must be made in writing, and must be received within 30 calendar days of the date of this response to receive consideration. The Agency will not consider appeals received after the 30-day limit. The appeal should be marked "Freedom of Information Act Appeal," and should reference the Freedom of Information Request Number of this response.

Please include the above referenced request number(s) in any subsequent communication relating to this response.

Sincerely yours,

Barbara R. Mc Garry
Acting Chief
Compliance Assistance and Program Support Branch

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2, 290 Broadway
New York, NY 10007

RECEIVED
MAR 12 2012

March 08, 2012

Ms. Victoria Ryback
Whitestone Associates, Inc.
35 Technology Drive
Warren, NJ 07059

Re: Freedom of Information Act Request No. **02-FOI-00608-12**
Dated: March 02, and 5, 2012

Dear Ms. Ryback:

Your request for information has been referred to this branch for response. We have searched the Resource Conservation and Recovery Act (RCRA) files and/or computer database as appropriate to respond to your request. In addition, you may also receive information from other program areas within this Regional Office.

Enclosed are copies and/or computer listings of all the available RCRA hazardous waste information concerning the handler file for Amsterdam Color Works, Inc. at Stillwell Avenue in Bronx, New York. However, we were unable to locate any hazardous waste information concerning the properties at 1547 Bassett Avenue in Bronx, New York; Golf Driving Range at 2439 Route 18, and Spring Valley Road in Old Bridge, Middlesex County, New Jersey, and Naval Air Warfare Center at 1440 Parkway Avenue in Ewing, Mercer County, New Jersey.

For your information, we have two RCRA handler files for Naval Air Warfare Center at 1 Jack Stephan Way in West Trenton, Mercer County, New Jersey, EPA ID No. NJ9170022694, and Air Hanger Inc. at Parkway Avenue in West Trenton, New Jersey, and EPA ID No. NJD980765614. If you need further information on these two files, please submit a new request.

If you consider this response to be a partial denial, you may submit a written appeal to the National Freedom of Information Officer, U.S. Environmental Protection Agency, FOIA and Privacy Branch, 1200 Pennsylvania Avenue, NW, (2822T), Washington, DC 20460. Only items mailed through the United States Postal Service may be delivered to 1200 Pennsylvania Avenue, NW. If you are submitting your appeal via hand delivery, courier service or overnight delivery, you must address your correspondence to 1301 Constitution Avenue, NW, Room 6416J, Washington, DC 20001. Your appeal must be made in writing, and it must be submitted no later than 30 calendar days from the date of this letter. The Agency will not consider appeals received after the 30 calendar day limit. The appeal should be marked "Freedom of Information Act Appeal", and should reference the Freedom of Information Request Number of this response.

In addition, RCRA information is available on the Internet as described on the enclosed sheet.

Please include the above referenced request number in any subsequent communication relating to this request.

Sincerely yours,

Adolph S. Everett, P.E., Chief
RCRA Programs Branch

Enclosures

Environmental Protection Agency Internet Information

EPA Region 2

While Freedom of Information Act (FOIA) requests will be honored by directly writing to Region 2, EPA provides an increasing amount of environmental media information, and other Regional activities via Internet at http://www.epa.gov.

Region 2 has provided a FOIA Web site http://www.epa.gov/region02/foia/ with several online databases from which the environmental information can be retrieved.

- **"Frequently FOIAed Files"** Web site http://www.epa.gov/region2/foia/fff.htm covers RCRA and many other media Programs. Through this Web site, you can learn about each media Program, associated databases, and special points of interest. In particular, the ability to "directly download" all of the most commonly requested Region 2 Export Files (.xls) and Reports (.pdf) - all compressed for quicker downloading.

EPA Region 2 has established a **list of contaminated facilities** that are a high priority for cleanup in New York, New Jersey, Puerto Rico and the U.S. Virgin Islands. You can view each facility fact sheet at http://www.epa.gov/region2/waste/cleanup/sites/

EPA- Headquarters

- **Envirofacts Data Warehouse** Web site http://www.epa.gov/enviro/index_java.html is a one-stop source to the environmental information. This Web site provides access to several EPA databases with information about environmental activities that may affect air, water and land anywhere in the United States.
- **"Window to My Environment"** Web site http://www.epa.gov/enviro/wme is a powerful tool that provides a wide range of federal, state and local information about environmental conditions and futures in an area of your choice.
- **The Enforcement and Compliance History Online (ECHO)** Web site http://www.epa.gov/echo/ provides a list of all inspections and enforcement under most of the environmental statutes.
- **Right-To-Know Network (RTK Net)**, a non-EPA Web site http://www.rtk.net.org/ on-line query engine provides free access to numerous databases and resources on environment.
- **National Biennial RCRA Hazardous Waste Report** Web site http://www.epa.gov/epaoswer/hazwaste/data/biennialreport/index.htm provides documents and data on hazardous waste reports.
- **Conditionally Exempt Small Quantity Generators** Web site http://www.epa.gov/osw/hazard/generation/cesqg.htm provides information on Conditionally Exempt Small Quantity Generators.

Please print or type with ELITE type *(12 characters/inch)* in the unshaded areas only.

Form Approved OMB No. 158-S79016
GSA No. 0246-EPA-OT

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY

NOTIFICATION OF HAZARDOUS WASTE ACTIVITY

INSTALLATION'S EPA I.D. NO.	
I. NAME OF INSTALLATION	
II. INSTALLATION MAILING ADDRESS	PLEASE PLACE LABEL IN THIS SPACE
III. LOCATION OF INSTALLATION	

INSTRUCTIONS: If you received a preprinted label, affix it in the space at left. If any of the information on the label is incorrect, draw a line through it and supply the correct information in the appropriate section below. If the label is complete and correct, leave Items I, II, and III below blank. If you did not receive a preprinted label, complete all items. "Installation" means a single site where hazardous waste is generated, treated, stored and/or disposed of, or a transporter's principal place of business. Please refer to the INSTRUCTIONS FOR FILING NOTIFICATION before completing this form. The information requested herein is required by law *(Section 3010 of the Resource Conservation and Recovery Act).*

FOR OFFICIAL USE ONLY

COMMENTS: C

INSTALLATION'S EPA I.D. NUMBER	APPROVED	DATE RECEIVED (yr., mo., & day)
S F NYD001360155 T/A C 1		850515

~~NIN~~ – 6/18/85 LB

I. NAME OF INSTALLATION

AMSTERDAM COLOR WORKS INC

II. INSTALLATION MAILING ADDRESS

STREET OR P.O. BOX: 3 1546 STILLWELL AVE

CITY OR TOWN	ST.	ZIP CODE
4 BRONX	NY	10461

III. LOCATION OF INSTALLATION

STREET OR ROUTE NUMBER: 5 1546 STILLWELL AVE

CITY OR TOWN	ST.	ZIP CODE
6 BRONX	NY	10461

Bronx 005

IV. INSTALLATION CONTACT

NAME AND TITLE *(last, first, & job title)*	PHONE NO. *(area code & no.)*
2 STEPHEN OFFERMAN PRESIDENT	212-828-8000

V. OWNERSHIP

A. NAME OF INSTALLATION'S LEGAL OWNER: 8 AMSTERDAM COLOR WORKS INC

B. TYPE OF OWNERSHIP *(enter the appropriate letter into box)*

F = FEDERAL
M = NON–FEDERAL

56

VI. TYPE OF HAZARDOUS WASTE ACTIVITY *(enter "X" in the appropriate box(es))*

- [X] A. GENERATION (57)
- [ ] B. TRANSPORTATION *(complete item VII)* (58)
- [ ] C. TREAT/STORE/DISPOSE (59)
- [ ] D. UNDERGROUND INJECTION (60)

VII. MODE OF TRANSPORTATION *(transporters only – enter "X" in the appropriate box(es))*

- [ ] A. AIR (61)
- [ ] B. RAIL (62)
- [ ] C. HIGHWAY (63)
- [ ] D. WATER (64)
- [ ] E. OTHER *(specify)*: (65)

VIII. FIRST OR SUBSEQUENT NOTIFICATION

Mark "X" in the appropriate box to indicate whether this is your installation's first notification of hazardous waste activity or a subsequent notification. If this is not your first notification, enter your Installation's EPA I.D. Number in the space provided below.

- [X] A. FIRST NOTIFICATION
- [ ] B. SUBSEQUENT NOTIFICATION *(complete item C)*

C. INSTALLATION'S EPA I.D. NO.

IX. DESCRIPTION OF HAZARDOUS WASTES

Please go to the reverse of this form and provide the requested information.

CONTINUE ON REVERSE

FOIA Report of Non-Sensitive Compliance Monitoring and Enforcement Data

Report run on: March 7, 2012 - 4:06 PM

Version 5.0

User Selection Criteria

Location:	New York, all activities	**Activity Location:**	None Chosen
Handler ID:	NYD001360155	**Group of IDs:**	None Chosen
Handler Name:			
Handler Universe:	All Facilities Regardless of Universe		
Determined Date Range:	From: 10/01/1980 To: 03/07/2012		
Location County Code:	None Chosen	**Evaluation Type:**	
Location City:		**Focus Area:**	
Location Zip Code:		**Violation Type:**	
State District:	None Chosen	**Display Code Descrip.:**	Yes
Sort Order:	Region, State, Handler Name	**Display Universes:**	Yes

Results

Data meeting the criteria you selected follows.

Total Pages: 9 Total Handlers: 1

Report Description

This report presents available information from the Resource Conservation and Recovery Act Information System (RCRAInfo) about compliance evaluations, violations, and enforcement actions meeting the criteria supplied by the user. Evaluations showing no violations does not always indicate that no violations were determined. Violation without enforcement actions does not always mean no enforcement action will be issued. In order to avoid releasing enforcement sensitive information to the public the following information is not shown on the report: pending civil / judicial referrals, criminal actions and referrals, and State to EPA referrals; all other enforcement actions are released.

Report Information

Name:	cme_foia.rdf
Developed by:	EPA Headquarters, Office of Enforcement and Compliance Assurance
Deployed:	June 2006
Last Updated:	February 2010
Contact:	rcrainfo.help@epa.gov
Tables Used:	cmecomp3, ccitation3, hreport_univ5, lu_citation, lu_state, hid_groups
Libraries:	none

FOIA Report of Non-Sensitive Compliance Monitoring and Enforcement Data

Report run on: March 7, 2012 - 4:06 PM

AMSTERDAM COLOR WORKS INC County Name / Code: BRONX / NY005 **NYD001360155**

Location: STILLWELL AVE; BRONX, NY 10461 **REGION 02**

Mailing: STILLWELL AVE; BRONX, NY 10461

Activity Location: NY State District: NYSDEC R2 Accessibility: Non-Notifier: Extract Flag: Y Active Site: Y

Generator: SQG Transporter: N Operating TSDF: ---- IC In Place: N EI Indicator (HE / GW) N / N
Short-Term Gen: N Transfer Facility: N Offsite Receiver: N HSM: N Subpart K: ----
Full Enforcement: ----- Converter: ----- State Unaddressed SNC: N EPA Unaddressed SNC: N
CA Wrkld: N State TSDF: ------ State Addressed SNC: N EPA Addressed SNC: N
Active State Gen: N State SNC w/Comp Sched: N EPA SNC w/Comp Sched: N

Violation: Activity Location: NY Type: 262.A Determined Date: 09/15/2005 Determined by Agency: State Responsible Agency: State
Scheduled Compliance Date: Actual Compliance Date: 07/14/2008 RTC Qualifier: DOCUMENTED Sequence Number: 6
Former Citation - SR - 372.2(a)(2)

CEI Evaluation 09/15/2005 Activity Location: NY By: State Identifier: 001 Person: NYHHN Branch: R2 Found Violation: YES
Citizen Complaint: NO Multimedia Inspection: NO Sampling: NO Not Subtitle C: NO Day Zero: Focus Area:

Enforcement: Activity Location: NY Type: 210 Action Date: 03/13/2006 Identifier: 001
Docket: 2-20060310-7 Agency: State Responsible Person: NYHHN Branch: R2
Penalty Information: Proposed: $85,000 Final Monetary: Collected: Total Final:
CA Component: N Disposition Status: AS 07/14/08 Appeal Initiated: Appeal Resolved:

Violation: Activity Location: NY Type: 262.A Determined Date: 09/15/2005 Determined by Agency: State Responsible Agency: State
Scheduled Compliance Date: Actual Compliance Date: 07/14/2008 RTC Qualifier: DOCUMENTED Sequence Number: 7
Former Citation - SR - 372.2(b)(3)

CEI Evaluation 09/15/2005 Activity Location: NY By: State Identifier: 001 Person: NYHHN Branch: R2 Found Violation: YES
Citizen Complaint: NO Multimedia Inspection: NO Sampling: NO Not Subtitle C: NO Day Zero: Focus Area:

Enforcement: Activity Location: NY Type: 210 Action Date: 03/13/2006 Identifier: 001
Docket: 2-20060310-7 Agency: State Responsible Person: NYHHN Branch: R2
Penalty Information: Penalty Information Printed Above
CA Component: N Disposition Status: AS 07/14/08 Appeal Initiated: Appeal Resolved:

Violation: Activity Location: NY Type: 262.A Determined Date: 09/15/2005 Determined by Agency: State Responsible Agency: State
Scheduled Compliance Date: Actual Compliance Date: 07/14/2008 RTC Qualifier: DOCUMENTED Sequence Number: 8
Former Citation - SR - 373-3.9(d)(3)

CEI Evaluation 09/15/2005 Activity Location: NY By: State Identifier: 001 Person: NYHHN Branch: R2 Found Violation: YES
Citizen Complaint: NO Multimedia Inspection: NO Sampling: NO Not Subtitle C: NO Day Zero: Focus Area:

Enforcement: Activity Location: NY Type: 210 Action Date: 03/13/2006 Identifier: 001
Docket: 2-20060310-7 Agency: State Responsible Person: NYHHN Branch: R2
Penalty Information: Penalty Information Printed Above
CA Component: N Disposition Status: AS 07/14/08 Appeal Initiated: Appeal Resolved:

* Note: Penalty amount may not reflect all violations cited.

AMSTERDAM COLOR WORKS INC, NYD001360155, BRONX, NY, continued -

Violation: Activity Location: NY Type: 262.A Determined Date: 09/15/2005 Determined by Agency: State Responsible Agency: State
Scheduled Compliance Date: Actual Compliance Date: 07/14/2008 RTC Qualifier: DOCUMENTED Sequence Number: 9
Former Citation - SR - 373-3.3(g)(1)(iii)

CEI Evaluation 09/15/2005 Activity Location: NY By: State Identifier: 001 Person: NYHHN Branch: R2 Found Violation: YES
Citizen Complaint: NO Multimedia Inspection: NO Sampling: NO Not Subtitle C: NO Day Zero: Focus Area:

Enforcement: Activity Location: NY Type: 210 Action Date: 03/13/2006 Identifier: 001
Docket: 2-20060310-7 Agency: State Responsible Person: NYHHN Branch: R2
Penalty Information: Penalty Information Printed Above
CA Component: N Disposition Status: AS 07/14/08 Appeal Initiated: Appeal Resolved:

Violation: Activity Location: NY Type: 262.A Determined Date: 09/15/2005 Determined by Agency: State Responsible Agency: State
Scheduled Compliance Date: Actual Compliance Date: 07/14/2008 RTC Qualifier: DOCUMENTED Sequence Number: 10
Former Citation - SR - 373-3.2(g)

CEI Evaluation 09/15/2005 Activity Location: NY By: State Identifier: 001 Person: NYHHN Branch: R2 Found Violation: YES
Citizen Complaint: NO Multimedia Inspection: NO Sampling: NO Not Subtitle C: NO Day Zero: Focus Area:

Enforcement: Activity Location: NY Type: 210 Action Date: 03/13/2006 Identifier: 001
Docket: 2-20060310-7 Agency: State Responsible Person: NYHHN Branch: R2
Penalty Information: Penalty Information Printed Above
CA Component: N Disposition Status: AS 07/14/08 Appeal Initiated: Appeal Resolved:

Violation: Activity Location: NY Type: 262.A Determined Date: 09/15/2005 Determined by Agency: State Responsible Agency: State
Scheduled Compliance Date: Actual Compliance Date: 07/14/2008 RTC Qualifier: DOCUMENTED Sequence Number: 11
Former Citation - SR - 372.2(a)(8)(ii)

CEI Evaluation 09/15/2005 Activity Location: NY By: State Identifier: 001 Person: NYHHN Branch: R2 Found Violation: YES
Citizen Complaint: NO Multimedia Inspection: NO Sampling: NO Not Subtitle C: NO Day Zero: Focus Area:

Enforcement: Activity Location: NY Type: 210 Action Date: 03/13/2006 Identifier: 001
Docket: 2-20060310-7 Agency: State Responsible Person: NYHHN Branch: R2
Penalty Information: Penalty Information Printed Above
CA Component: N Disposition Status: AS 07/14/08 Appeal Initiated: Appeal Resolved:

Violation: Activity Location: NY Type: 262.A Determined Date: 09/15/2005 Determined by Agency: State Responsible Agency: State
Scheduled Compliance Date: Actual Compliance Date: 07/14/2008 RTC Qualifier: DOCUMENTED Sequence Number: 12
Former Citation - SR - 373-3.4(e)

CEI Evaluation 09/15/2005 Activity Location: NY By: State Identifier: 001 Person: NYHHN Branch: R2 Found Violation: YES
Citizen Complaint: NO Multimedia Inspection: NO Sampling: NO Not Subtitle C: NO Day Zero: Focus Area:

* Note: Penalty amount may not reflect all violations cited.

AMSTERDAM COLOR WORKS INC, NYD001360155, BRONX, NY, continued -

Enforcement: Activity Location: NY Type: 210 Action Date: 03/13/2006 Identifier: 001
Docket: 2-20060310-7 Agency: State Responsible Person: NYHHN Branch: R2
Penalty Information: Penalty Information Printed Above
CA Component: N Disposition Status: AS 07/14/08 Appeal Initiated: Appeal Resolved:

Violation: Activity Location: NY Type: 262.A Determined Date: 09/15/2005 Determined by Agency: State Responsible Agency: State
Scheduled Compliance Date: Actual Compliance Date: 07/14/2008 RTC Qualifier: DOCUMENTED Sequence Number: 13
Former Citation - SR - 372.2(b)(2)(i),(ii)

CEI Evaluation 09/15/2005 Activity Location: NY By: State Identifier: 001 Person: NYHHN Branch: R2 Found Violation: YES
Citizen Complaint: NO Multimedia Inspection: NO Sampling: NO Not Subtitle C: NO Day Zero: Focus Area:

Enforcement: Activity Location: NY Type: 210 Action Date: 03/13/2006 Identifier: 001
Docket: 2-20060310-7 Agency: State Responsible Person: NYHHN Branch: R2
Penalty Information: Penalty Information Printed Above
CA Component: N Disposition Status: AS 07/14/08 Appeal Initiated: Appeal Resolved:

Violation: Activity Location: NY Type: 262.A Determined Date: 09/15/2005 Determined by Agency: State Responsible Agency: State
Scheduled Compliance Date: Actual Compliance Date: 07/14/2008 RTC Qualifier: DOCUMENTED Sequence Number: 14
Former Citation - SR - 372.2(a)(8)(ii)

CEI Evaluation 09/15/2005 Activity Location: NY By: State Identifier: 001 Person: NYHHN Branch: R2 Found Violation: YES
Citizen Complaint: NO Multimedia Inspection: NO Sampling: NO Not Subtitle C: NO Day Zero: Focus Area:

Enforcement: Activity Location: NY Type: 210 Action Date: 03/13/2006 Identifier: 001
Docket: 2-20060310-7 Agency: State Responsible Person: NYHHN Branch: R2
Penalty Information: Penalty Information Printed Above
CA Component: N Disposition Status: AS 07/14/08 Appeal Initiated: Appeal Resolved:

Violation: Activity Location: NY Type: 262.A Determined Date: 09/15/2005 Determined by Agency: State Responsible Agency: State
Scheduled Compliance Date: Actual Compliance Date: 07/14/2008 RTC Qualifier: DOCUMENTED Sequence Number: 15
Former Citation - SR - 373-3.9(b)

CEI Evaluation 09/15/2005 Activity Location: NY By: State Identifier: 001 Person: NYHHN Branch: R2 Found Violation: YES
Citizen Complaint: NO Multimedia Inspection: NO Sampling: NO Not Subtitle C: NO Day Zero: Focus Area:

Enforcement: Activity Location: NY Type: 210 Action Date: 03/13/2006 Identifier: 001
Docket: 2-20060310-7 Agency: State Responsible Person: NYHHN Branch: R2
Penalty Information: Penalty Information Printed Above
CA Component: N Disposition Status: AS 07/14/08 Appeal Initiated: Appeal Resolved:

* Note: Penalty amount may not reflect all violations cited.

AMSTERDAM COLOR WORKS INC, NYD001360155, BRONX, NY, continued -

Violation: Activity Location: NY Type: 262.A Determined Date: 09/28/1993 Determined by Agency: State Responsible Agency: State
Scheduled Compliance Date: 10/28/1993 Actual Compliance Date: 10/19/1993 RTC Qualifier: OBSERVED Sequence Number: 5

CEI Evaluation 08/20/1993 Activity Location: NY By: State Identifier: 000 Person: NYADS Branch: R2 Found Violation: YES
Citizen Complaint: NO Multimedia Inspection: NO Sampling: NO Not Subtitle C: NO Day Zero: Focus Area:

Enforcement: Activity Location: NY Type: 120 Action Date: 09/28/1993 Identifier: 000
Docket: Agency: State Responsible Person: NYADS Branch: R2
CA Component: N Disposition Status: Appeal Initiated: Appeal Resolved:

Violation: Activity Location: NY Type: 264.A Determined Date: 08/21/1991 Determined by Agency: State Responsible Agency: State
Scheduled Compliance Date: Actual Compliance Date: 11/06/1992 RTC Qualifier: OBSERVED Sequence Number: 4

CEI Evaluation 07/29/1991 Activity Location: NY By: State Identifier: 000 Person: NYHHN Branch: R2 Found Violation: YES
Citizen Complaint: NO Multimedia Inspection: NO Sampling: NO Not Subtitle C: NO Day Zero: Focus Area:

No Linked Enforcements

Violation: Activity Location: NY Type: 262.A Determined Date: 07/30/1985 Determined by Agency: EPA Responsible Agency: EPA
Scheduled Compliance Date: 08/30/1985 Actual Compliance Date: 06/17/1987 RTC Qualifier: UNVERIFIABLE Sequence Number: 5002

CEI Evaluation 07/30/1985 Activity Location: NY By: EPA Oversight Identifier: 002 Person: Branch: Found Violation: YES
Citizen Complaint: NO Multimedia Inspection: NO Sampling: NO Not Subtitle C: NO Day Zero: Focus Area:

Enforcement: Activity Location: NY Type: 310 Action Date: 03/28/1986 Identifier: 000
Docket: 02-86-0108 Agency: EPA Responsible Person: R2SRS Branch: RCB
Penalty Information: Proposed: Final Monetary: $15,000 Collected: $15,000 Total Final: $15,000
CA Component: N Disposition Status: Appeal Initiated: Appeal Resolved:

Violation: Activity Location: NY Type: 262.A Determined Date: 08/16/1984 Determined by Agency: State Responsible Agency: EPA
Scheduled Compliance Date: Actual Compliance Date: 11/06/1992 RTC Qualifier: OBSERVED Sequence Number: 3

CEI Evaluation 08/16/1984 Activity Location: NY By: State Identifier: 003 Person: NYDEC Branch: Found Violation: YES
Citizen Complaint: NO Multimedia Inspection: NO Sampling: NO Not Subtitle C: NO Day Zero: Focus Area:

No Linked Enforcements

Violation: Activity Location: NY Type: 262.A Determined Date: 06/21/1983 Determined by Agency: EPA Responsible Agency: EPA
Scheduled Compliance Date: 03/28/1987 Actual Compliance Date: 05/08/1985 RTC Qualifier: UNVERIFIABLE Sequence Number: 5001

CEI Evaluation 06/21/1983 Activity Location: NY By: EPA Oversight Identifier: 001 Person: Branch: Found Violation: YES
Citizen Complaint: NO Multimedia Inspection: NO Sampling: NO Not Subtitle C: NO Day Zero: Focus Area:

* Note: Penalty amount may not reflect all violations cited.

AMSTERDAM COLOR WORKS INC, NYD001360155, BRONX, NY, continued -

Enforcement: Activity Location: NY | Type: 310 | Action Date: 03/28/1986 | Identifier: 000
Docket: 02-86-0108 | Agency: EPA | Responsible Person: R2SRS | Branch: RCB
Penalty Information: Proposed: | Final Monetary: $15,000 | Collected: $15,000 | Total Final: $15,000
CA Component: N | Disposition Status: | Appeal Initiated: | Appeal Resolved:

Enforcement: Activity Location: NY | Type: 210 | Action Date: 01/18/1984 | Identifier: 002
Docket: 02-86-0108 | Agency: EPA | Responsible Person: R2SRS | Branch:
Penalty Information: Proposed: $24,000 | Final Monetary: | Collected: | Total Final:
CA Component: N | Disposition Status: | Appeal Initiated: | Appeal Resolved:

Evaluations With No Violations:

FUI Evaluation	07/14/2008	Activity Location: NY	By: State	Identifier: 002	Person: NYHHN	Branch: R2	Found Violation: NO
Citizen Complaint: NO		Multimedia Inspection: NO	Sampling: NO	Not Subtitle C: NO	Day Zero: 07/14/2008		Focus Area:
SNN Evaluation	07/14/2008	Activity Location: NY	By: State	Identifier: 001	Person: NYJRI	Branch: CO	Found Violation: NO
Citizen Complaint: NO		Multimedia Inspection: NO	Sampling: NO	Not Subtitle C: NO	Day Zero:		Focus Area:
SNY Evaluation	02/28/2006	Activity Location: NY	By: State	Identifier: 002	Person: NYBKP	Branch: CO	Found Violation: N/A
Citizen Complaint: NO		Multimedia Inspection: NO	Sampling: NO	Not Subtitle C: NO	Day Zero: 09/15/2005		Focus Area:
CEI Evaluation	09/28/1998	Activity Location: NY	By: EPA	Identifier: 000	Person: R2AHJ	Branch: RCB	Found Violation: NO
Citizen Complaint: NO		Multimedia Inspection: NO	Sampling: NO	Not Subtitle C: NO	Day Zero:		Focus Area:
FUI Evaluation	06/26/1987	Activity Location: NY	By: EPA	Identifier: 000	Person: R2CEI	Branch: RCB	Found Violation: NO
Citizen Complaint: NO		Multimedia Inspection: NO	Sampling: NO	Not Subtitle C: NO	Day Zero:		Focus Area:
FCI Evaluation	03/26/1987	Activity Location: NY	By: EPA	Identifier: 004	Person: R2SRS	Branch:	Found Violation: NO
Citizen Complaint: NO		Multimedia Inspection: NO	Sampling: NO	Not Subtitle C: NO	Day Zero:		Focus Area: V3

Total Number of Handlers: 1
Total Number of Activity Locations: 1

* End of Report *

* Note: Penalty amount may not reflect all violations cited.

Description of codes used on the report:

Universes	Description of Universes
Generator	Indicates that the facility is a Large Quantity Generator (LQG), Small Quantity Generator (SQG), Conditionally Exempt Small Quantity Generator (CEG), or not a generator (N).
Transporter	Indicates that the facility Transports waste subject to RCRA regulations. ('Y' indicates that the facility is in this universe).
Operating TSDF	Indicates that the facility is a Treatment, Storage or Disposal facility subject to any type of enforcement. It then specifies the type of facility (L - Land Disposal; I - Incinerator; B - BIF; S - Storage; T - Treatment)
IC in Place	Indicates that the facility has Institutional Controls in place. ('Y' indicates that the facility is in this universe).
EI Indicator (HE / GW)	Indicates that the facility has controls in place for Environmental Indicators. HE - Human Exposures ('+' indicates the exposure exists and is under control; '-' indicates the exposure exists and is not under control; 'N' indicates the exposure does not exist) GW - Groundwater Release ('+' indicates the exposure exists and is under control; '-' indicates the exposure exists and is not under control; 'N' indicates the exposure does not exist)
Short-Term Gen	Indicates that the facility is a short term or one time event generator and not generating from ongoing processes.
Transfer Facility	Indicates that the facility transfers hazardous waste.
Offsite Receiver	Indicates that the facility, whether public or private, currently accepts hazardous waste from another site (site identified by a different EPA ID).
HSM	Indicates that the facility manages hazardous secondary material(s) (e.g. spent material, by-product or sludge) that when discarded, would be identified as hazardous waste.
Subpart K	Indicates that the facility has opted into the subpart K laboratory rule. It then specifies the type of facility (C - College or University; H - Teaching Hospital; N - Non-profit Research Institute; W - withdrawal from the rule)
Full Enforcement	Indicates that the facility is a Treatment, Storage or Disposal facility which is part of the Full Enforcement universe. It then specifies the type of facility (L - Land Disposal; I - Incinerator; B - BIF; S - Storage; T - Treatment)
CA Workload	Indicates that the facility is part of the Corrective Action Workload universe. ('Y' indicates that the facility is in this universe).
Active State Gen	Indicates that the facility is an Active State Generator. ('Y' indicates that the facility is in this universe).
Converter	Indicates that the facility is a Converter Treatment, Storage or Disposal facility. It then specifies the type of facility (L - Land Disposal; I - Incinerator; B - BIF; S - Storage; T - Treatment)
State TSDF	Indicates that the facility is a State Treatment, Storage or Disposal facility. It then specifies the type of facility (L - Land Disposal; I - Incinerator; B - BIF; S - Storage; T - Treatment)
State Unaddressed SNC	Indicates that the facility is a State Unaddressed Significant Non-Complier. ('Y' indicates that the facility is in this universe).
State Addressed SNC	Indicates that the facility is a State Addressed Significant Non-Complier. ('Y' indicates that the facility is in this universe).
State SNC w/ Compl. Sched	Indicates that the facility is a State Significant Non-Complier with a Compliance Schedule. ('Y' indicates that the facility is in this universe).
EPA Unaddressed SNC	Indicates that the facility is an EPA Unaddressed Significant Non-Complier. ('Y' indicates that the facility is in this universe).
EPA Addressed SNC	Indicates that the facility is an EPA Addressed Significant Non-Complier. ('Y' indicates that the facility is in this universe).
EPA SNC w/ Compl. Sched	Indicates that the facility is a EPA Significant Non-Complier with a Compliance Schedule. ('Y' indicates that the facility is in this universe).

* Note: Penalty amount may not reflect all violations cited.

Description of codes used on the report:

ACCESSIBILITY - indicates the reason why the handler is not accessible for normal RCRA tracking and processing (previously called Bankrupt Indicator):

Code	Description
B	indicates that the handler has filed for bankruptcy and bankruptcy litigation is in process.
C	indicates that all RCRA responsibilities for permitting/closure, corrective action, and compliance monitoring and enforcement at the facility have been formally transferred to the CERCLA program or state equivalent.
F	indicates that all responsible parties (owners/operators) for the handler have fled the country or are otherwise not available for prosecution.
L	indicates that the handler's case is tied up in litigation to the extent that further progress in achieving RCRA compliance through normal enforcement is not possible.

NON-NOTIFIER - indicates that the handler has been identified through a source other than Notification and is suspected of conducting RCRA-regulated activities without proper authority:

Code	Description
E	indicates that the handler was initially a non-notifier, subsequently determined to be exempt from requirements to notify.
O	indicates that the handler is a former non-notifier.
X	indicates that the handler is a non-notifier.

Violation Type	Description
262.A	GENERATORS - GENERAL
264.A	TSD - GENERAL

Evaluation Type	Type Description
CEI	COMPLIANCE EVALUATION INSPECTION ON-SITE
FCI	FOCUSED COMPLIANCE INSPECTION
FUI	FOLLOW-UP INSPECTION
SNN	NOT A SIGNIFICANT NON-COMPLIER
SNY	SIGNIFICANT NON-COMPLIER

Focus Area	Description
V3	CONVERTED FROM V2 RCRAINFO

* Note: Penalty amount may not reflect all violations cited.

Description of codes used on the report:

Enforcement Type	Enforcement Description
120	WRITTEN INFORMAL
210	INITIAL 3008(A) COMPLIANCE
310	FINAL 3008(A) COMPLIANCE ORDER

* Note: Penalty amount may not reflect all violations cited.

ENVIRONMENTAL PROTECTION
AGENCY, REGION II
NEW YORK, N.Y.

1988 MAR -2 AM 10:34

HEARING CLERK

CERTIFIED MAIL--
RETURN RECEIPT REQUESTED

NYD 001 360 155

Franklin E. Tretter
McDonough, Marcus, Cohn & Tretter, P.C.
355 Lexington Avenue
New York, New York 10017

Re: In the Matter of Amsterdam Color Works, Inc.
Docket No. II RCRA-84-3217

Dear Mr. Tretter:

Enclosed is a copy of the Consent Agreement and Consent Order in the above-referenced proceeding, signed by the Regional Administrator of the U.S. Environmental Protection Agency.

Upon your receipt of this Order, the sixty-day period for payment of the civil penalty commences. Please arrange for payment of this penalty according to the instructions given in the Order.

Sincerely yours,

William K. Sawyer
Assistant Regional Counsel
Superfund Branch
Office of Regional Counsel

Enclosure

cc: Richard Williams, NYSDEC

bcc: Sandra Crystall (WS-527)
Laura Livingston, 2PM-PA
Ray Slizys, 2AWM-SW
Ronald Gherardi, 2PM-FIN
Honorable Frank W. Vanderneyden (A-110)
Nereida Sotomayor, 2PM-PA

APR 17 1984

Mr. Franklin E. Tretter
McDonough Marcus Cohn & Tretter, P.C.
355 Lexington Avenue
New York, New York 10017

NYD001360155

Dear Mr. Tretter:

This is in response to your letter dated March 13, 1984 which was subsequent to our meeting of February 28, 1984 regarding Amsterdam Color Work's plans for using the Renzmann Solvent Recovery System.

Under 40 CFR §261.6 hazardous wastes which are "used, reused, recycled or reclaimed" are exempt from certain regulatory requirements provided the hazardous waste is not listed in 40 CFR §261 Subpart D, or is not a sludge, and is neither transported nor stored prior to its recycling or reclamation.

You should be reminded that the by-products of this process may exhibit hazardous characteristics and may be subject to regulation under 40 CFR Parts 262, 263, and 265. These by-products should be analyzed and tested to ascertain whether any or all of these subparts do apply.

Should you have any additional questions concerning this matter, please contact me at 212-264-8929.

Sincerely yours,

James J. Cleary, P.E.
Environmental Engineer
New York Hazardous Waste Section
Solid Waste Branch

cc: Mr. Stephen Offerman
Amsterdam Paint & Color Works

bcc: R. Baker, 2OPM-PA
W. Sawyer, 2ORC-WTS

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION II

In the Matter of AMSTERDAM COLOR WORKS (Bronx, New York) Respondent. Proceeding Under Section 3008 of the Solid Waste Disposal Act, as amended.	CONSENT AGREEMENT AND CONSENT ORDER Docket No. II-RCRA-84-0217

PRELIMINARY STATEMENT

This administrative proceeding was instituted pursuant to Section 3008 of Solid Waste Disposal Act, as amended, 42 U.S.C. §6901 *et seq*. ("the Act"). [Note: Among the statutes amending the Act is the Resource Conservation and Recovery Act, 90 Stat. 2795, P.L. 94-580 (1976).]

The Director of the Air and Waste Management Division of the U.S. Environmental Protection Agency ("EPA"), Region II, Complainant in this proceeding, issued a Complaint, Compliance Order, and Notice of Opportunity for Hearing to Respondent, Amsterdam Color Works on January 18, 1984. Said document charged Respondent with certain violations of Sections 3004 and 3005 of the Act, U.S.C. §§6924 and 6925 and the regulations promulgated thereunder, as follows:

1. Respondent owns and operates a facility located at 1546 Stillwell Avenue, with a yard on Bassett Avenue, both of which avenues are in Bronx, New York ("the facility").

2. On or about June 21, 1983, an inspection of the facility was conducted by duly-designated representatives of EPA pursuant to Section 3007 of the Act, 42 U.S.C. §6927. Said inspection was conducted for the purpose of enforcing the EPA regulations for hazardous waste management, 40 CFR Parts 260 through 265 (published in 45 Fed. Reg. 33073 et seq., May 19, 1980 and as later amended), promulgated pursuant to Subtitle C of the Act, 42 U.S.C. §6921 et seq.

3. The above-referenced inspection revealed that Respondent's facility was being used for the generation, storage, and disposal of hazardous waste.

4. Section 3010 of the Act, 42 U.S.C. §6930, requires that any person who generates hazardous waste or owns or operates a hazardous waste storage or disposal facility must file with EPA a notification of such activity within ninety days of promulgation of regulations under Section 3001 classifying the wastes handled at the facility as hazardous. The regulations which listed the wastes handled by Respondent were promulgated on May 19, 1980. Respondent was therefore required to notify EPA of its activity by August 18, 1980. At the time of the above-referenced inspection, Respondent had not submitted the required notification to EPA.

(As of December 30, 1983, Respondent still had not submitted this notification to EPA.) Respondent was therefore in violation of Section 3010 of the Act.

5. Section 3005(a) of the Act, 42 U.S.C. §6925(a), prohibits the storage of hazardous waste without a hazardous waste permit. At the time of the above-referenced inspection, and thereafter, Respondent was storing hazardous wastes (including ignitable solvents) without having received a hazardous waste permit. Respondent was, therefore, in violation of Section 3005(a) of the Act.

6. 40 CFR Part 265 sets standards for all hazardous waste treatment, storage and disposal facilities. These standards apply until final administrative disposition of permit applications submitted by owners and operators of facilities has been made. No such final disposition has been made with respect to the facility, and thus the standards of Part 265 apply to that facility.

7. 40 CFR §265.31 requires that the owner or operator of any hazadous waste treatment, storage or disposal facility must maintain and operate that facility to minimize the possibility of a fire, explosion, or release of hazardous waste to the air, soil or surface water. At the time of the above-referenced inspection, Respondent had hazardous solvents stored in corroded drums. The yard where these drums were stored revealed evidence of leakage.

Respondent was, therefore, in violation of 40 CFR §265.31.

8. 40 CFR §265.35 requires that the owner or operator of any hazardous waste treatment, storage, or disposal facility must maintain aisle space adequate to allow the unobstructed movement of personnel and emergency equipment to any area of the facility operations. 40 CFR §265.174 requires that the owner or operator must inspect container storage areas at least weekly for corrosion or leaks. At the time of the above-referenced inspection, Respondent was storing drums of hazardous waste along the fence near Bassett Avenue in a manner that did not provide adequate aisle space. Failure to provide adequate aisle space prevented Respondent from carrying out the weekly inspections required by 40 CFR §265.174. Respondent was, therefore, in violation of 40 CFR §265.35 and 40 CFR §265.174.

9. 40 CFR §265.171 requires that if a container holding hazardous waste is not in good condition or if it begins to leak, the owner or operator of the facility must transfer the waste to a container that is in good condition or manage the waste in some other way that complies with 40 CFR Part 265. At the time of the above-referenced inspection, Respondent had stored ignitable solvents in rusted, old drums in poor condition. Respondent was, therefore, in violation of 40 CFR §265.171.

10. Inspections of the facility on August 16, 1984 and

July 30, 1985 revealed the continued illegal storage of hazardous wastes at the facility. Respondent, however, has purchased a new solvent distillation unit and now plans to reclaim drums of solvent, mineral spirits or paint thinner at the facility.

CONSENT AGREEMENT

Based upon the foregoing, and pursuant to Section 3008 of the Act, and Section 22.18 of the Consolidated Rules of Practice Governing the Administrative Assessment of Civil Penalties and the Revocation or Suspension of Permits, 40 CFR §22.18, it is hereby agreed that Respondent shall hereinafter comply with all relevant regulations at 40 CFR Parts 261 through 265 and the following terms:

COMPLIANCE ORDER

Based upon the foregoing, and pursuant to the authority of Section 3008 of the Act, Complainant herewith issues the following Compliance Order against Respondent herein:

1. Respondent shall not dispose of hazardous waste at its facility and in any other unauthorized manner.

2. Respondent shall, by no later than five (5) days after the effective date of this Compliance Order, insure that, in accordance with the provisions of the Act and the regulations promulgated thereunder, all containers at its facility holding solvents, mineral spirits, paint thinner, or other hazardous

wastes are closed at all times except when it is necessary to add or remove material.

3. Respondent shall, by no later than fifteen (15) days after the effective date of this Compliance Order insure all solvents, mineral spirits, paint thinner, and other hazardous wastes are stored in containers which are in good condition, or otherwise shall dispose of such materials in accordance with the provisions of the Act and the regulations promulgated thereunder.

4. Respondent shall, by no later than fifteen (15) days after the effective date of this Compliance Order, insure that all containers presently located at the facility with solvents, mineral spirits, paint thinner or other hazardous wastes inside them are labelled to identify their contents and are marked with the date of the issuance of this Order.

5. For the period of one year commencing with the effective date of this Order, Respondent shall distill each business day an average of three drums of solvent, minerals spirits, paint thinner, or other hazardous wastes in a distillation unit at the facility. Of these three drums, at least two shall come from those containers present at the facility fifteen days after the effective date of this Compliance Order. (The purpose of this distillation will be to eliminate within the one year the presence of approximately 650 drums of solvent, mineral spirits, paint thinner, or other hazardous wastes which were present at the facility in an unrecovered state on July 30, 1985 and before. Respondent indicated on

November 26, 1985 that the contents of approximately fifty of these drums had been reclaimed as of November 26, 1985.)

6. Respondent shall at the minimum comply with the following interim deadlines for eliminating the presence at the facility of drums of solvent, mineral spirits, paint thinner or other hazardous wastes:

A. By no later than three months after the effective date of this Order, Respondent shall have no more than 470 such drums at the facility.

B. By no later than six months after the effective date of this Order, Respondent shall have no more than 330 such drums at the facility.

C. By no later than nine months after the effective date of this Order, Respondent shall have no more than 190 such drums at the facility.

7. Respondent's obligations shall be performed in accordance with paragraphs 5 and 6 herein unless performance is delayed by events which constitute a force majeure. For purposes of this Order, a force majeure is defined as any event arising from causes entirely beyond Respondent's control. Respondent shall notify EPA Region II in writing not later than ten (10) days after Respondent becomes aware that circumstances constituting a force majeure have occurred. Respondent shall have the burden of proving both that its failure to comply with the requirements of paragraphs 5 and 6 of this Order was due to a force majeure and that the failure lasted no longer than the duration of the force majeure.

8. Respondent shall, by no later than one year after the effective date of this Compliance Order, cease to store any hazardous waste at the facility. Continued operation of the site as a hazardous waste facility shall thereafter be contingent upon compliance with regulations of New York State.

9. By no later than sixty (60) days after the effective date of this Order, Respondent shall act both to upgrade the fencing to insure that trespassers cannot enter the facility and to take all reasonable precautions to eliminate any potential danger to the public resulting from the presence of ignitable hazardous wastes at the facility.

Within sixty (60) days of receipt of this Consent Agreement and Final Order, Respondent shall pay by cashier's or certified check a civil penalty for the violations cited herein in the amount of fifteen thousand dollars (15,000.00), payable to the Treasurer, United States of America. Such payment shall be remitted to the Regional Hearing Clerk, EPA, Region II, 26 Federal Plaza, New York, New York, 10278. Failure to either remit such payment in full or to fully comply with the terms of this Agreement will result in the referral of this matter to the United States Attorney for appropriate action. Furthermore, if payment is not received by the due date established herein, interest will be assessed on the overdue payment for each thirty (30) day period or portion thereof. The interest rate assessed will be based on the current value of funds to the U.S. Treasury at the time the order is issued and will remain in effect until full payment is received.

This Consent Agreement is being entered into by the parties

in full settlement of all liabilities which might have attached as a result of the proceedings. Respondent admits the jurisdictional allegations contained in the Complaint, but neither admits nor denies any of the other allegations in the Complaint or summarized in the Preliminary Statement of this Consent Agreement and Consent Order. Respondent consents to the assessment of the civil penalty set forth in the Agreement and explicitly waives its right to request a hearing on the Complaint, this Agreement, or the attached Consent Order.

RESPONDENT: BY: AMSTERDAM COLOR WORKS, INC.

NAME: STEPHEN OFFERMAN

TITLE: PRESIDENT

DATE: January 31, 1986

COMPLAINANT:

CONRAD SIMON
Director
Air and Waste Management
Division

CONSENT ORDER

The Regional Administrator of EPA, Region II, concurs in the foregoing Consent Agreement. The Agreement entered into by the parties is hereby approved and issued as an Order effective five (5) business days following my signature.

Christopher Daggett
Regional Administrator
U.S. Environmental Protection Agency
Region II
26 Federal Plaza
New York, New York 10278

DATE: MARCH 28, 1986

Create a file!

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION II

In the Matter of AMSTERDAM COLOR WORKS (Bronx, New York) Respondent. Proceeding Under Section 3008 of the Solid Waste Disposal Act, as amended.	COMPLAINT, COMPLIANCE ORDER, AND NOTICE OF OPPORTUNITY FOR HEARING Docket No. II RCRA-84-0217 NYD 001360155

COMPLAINT

This administrative proceeding is instituted pursuant to Section 3008 of the Solid Waste Disposal Act, as amended, 42 U.S.C. §6901 et seq. ("the Act"). [Note: Among the statutes amending the Act is the Resource Conservation and Recovery Act, 90 Stat. 2795, P.L. 94-580 (1976).]

The Director of the Air and Waste Management Division of the U.S. Environmental Protection Agency ("EPA"), Region II, Complainant in this proceeding, has determined that Respondent, Amsterdam Color Works, has violated Sections 3004 and 3005 of the Act, 42 U.S.C. §§6924 and 6925, and the regulations promulgated thereunder, as hereinafter specified:

1. Respondent owns and operates a facility located at 1546 Stillwell Avenue, with a yard on Bassett Avenue, both of which avenues are in Bronx, New York ("the facility").

2. On or about June 21, 1983, an inspection of the facility was conducted by duly-designated representatives of EPA pursuant to Section 3007 of the Act, 42 U.S.C. §6927. Said inspection was conducted for the purpose of enforcing the EPA regulations for hazardous waste management, 40 CFR Parts 260 through 265 (published in 45 Fed. Reg. 33073 et seq., May 19, 1980 and as later amended), promulgated pursuant to Subtitle C of the Act, 42 U.S.C. §6921 et seq.

REGIONAL HEARING CLERK
REGION II
JAN 30 '84
ENVIRONMENTAL PROTECTION AGENCY
NEW YORK, N.Y. 10007

3. The above-referenced inspection revealed that Respondent's facility was being used for the generation, storage, and disposal of hazardous waste.

4. Section 3010 of the Act, 42 U.S.C. §6930, requires that any person who generates hazardous waste or owns or operates a hazardous waste storage or disposal facility must file with EPA a notification of such activity within ninety days of promulgation of regulations under Section 3001 classifying the wastes handled at the facility as hazardous. The regulations which listed the wastes handled by Respondent were promulgated on May 19, 1980. Respondent was therefore required to notify EPA of its activity by August 18, 1980. At the time of the above-referenced inspection, Respondent had not submitted the required notification to EPA. (As of December 30, 1983, Respondent still had not submitted this notification to EPA.) Respondent was therefore in violation of Section 3010 of the Act.

5. Section 3005(a) of the Act, 42 U.S.C. §6925(a), prohibits the storage of hazardous waste without a hazardous waste permit. At the time of the above-referenced inspection, and thereafter, Respondent was storing hazardous wastes (including ignitable solvents) without having received a hazardous waste permit. Respondent was, therefore, in violation of Section 3005(a) of the Act.

6. 40 CFR Part 265 sets standards for all hazardous waste treatment, storage and disposal facilities. These standards apply until final administrative disposition of permit applications submitted by owners and operators of facilities has been made. No such final disposition has been made with respect to the company facility, and thus the standards of Part 265 apply to that facility.

7. 40 CFR §265.31 requires that the owner or operator of any hazardous waste treatment, storage or disposal facility must maintain and operate that facility to minimize the possibility of a fire, explosion, or release of hazardous waste to the air, soil or surface water. At the time of the above-referenced inspection, Respondent had hazardous solvents stored in corroded drums. The yard where these drums were stored revealed evidence of leakage. Respondent was, therefore, in violation of 40 CFR §265.31.

8. 40 CFR §265.35 requires that the owner or operator of any hazardous waste treatment, storage, or disposal facility must maintain aisle space adequate to allow the unobstructed movement of personnel and emergency equipment to any area of the facility operations. 40 CFR §265.174 requires that the owner or operator must inspect container storage areas at least weekly for corrosion or leaks. At the time of the above-referenced inspection, Respondent was storing drums of hazardous waste along the fence near Bassett Avenue in a manner that did not provide adequate aisle space. Failure to provide adequate aisle space prevented Respondent from carrying out the weekly inspections required by 40 CFR §265.174. Respondent was, therefore, in violation of 40 CFR §265.35 and 40 CFR §265.174.

9. 40 CFR §265.171 requires that if a container holding hazardous waste is not in good condition or if it begins to leak, the owner or operator of the facility must transfer the waste to a container that is in good condition or manage the waste in some other way that complies with 40 CFR Part 265. At the time of the above-referenced inspection, Respondent had stored ignitable solvents in rusted, old drums in poor condition. Respondent was, therefore, in violation of 40 CFR §265.171.

PROPOSED CIVIL PENALTY

In view of the above-cited violations, and pursuant to the authority of Section 3008 of the Act, Complainant herewith proposes the assessment of a civil penalty in the amount of twenty-four thousand dollars ($24,000.00) against Amsterdam Color Works for the violations specified hereinabove as follows:

- For the violation of Section 3010 :	$ 4,500.00
- For the violation of Section 3005 :	4,500.00
- For the violation of 40 CFR §265.31 :	7,000.00
- For the violation of 40 CFR §265.35 and 40 CFR §265.174 :	1,500.00
- For the violation of 40 CFR §265.171:	6,500.00
TOTAL:	$24,000.00

COMPLIANCE ORDER

Based upon the foregoing, and pursuant to the authority of Section 3008 of the Act, Complainant herewith issues the following Compliance Order against Respondent herein:

1. Respondent shall immediately cease disposal of hazardous waste at its facility or in any other unauthorized manner.

2. Respondent shall, by no later than five (5) days after the effective date of this Compliance Order, insure that, in accordance with the provisions of the Act and the regulations promulgated thereunder, all containers at its facility holding hazardous waste are closed at all times except when it is necessary to add or remove waste.

3. Respondent shall, by no later than fifteen (15) days after the effective date of this Compliance Order, submit to EPA a hazardous waste notification form pursuant to Section 3010 of the Act.

4. Respondent shall, by no later than fifteen (15) days after the effective date of this Compliance Order, transfer all hazardous waste presently stored in containers which are leaking to containers or tanks which are in good condition, or otherwise dispose of such wastes in accordance with the provisions of the Act and the regulations promulgated thereunder.

5. Respondent shall, by no later than fifteen (15) days after the effective date of this Compliance Order, transfer all hazardous waste presently stored in containers which are in poor condition to containers which are in good condition, or otherwise dispose of such wastes in accordance with the provisions of the Act and the regulations promulgated thereunder.

6. Respondent shall, by no later than fifteen (15) days after the effective date of this Compliance Order, rearrange its drum storage area in such a manner that adequate aisle space is provided for the movement of personnel and equipment, and for the performance of inspections, in accordance with the provisions of the Act and the regulations promulgated thereunder.

7. Respondent shall, by no later than thirty (30) days after the effective date of this Compliance Order, identify and remove all topsoil contaminated with hazardous waste, in accordance with the provisions of the Act and the regulations promulgated thereunder.

8. Respondent shall, by no later than sixty (60) days after the effective date of this Compliance Order, cease to store any hazardous waste at the facility. Continued operation of the site as a hazardous waste facility shall thereafter be contingent upon submission of a complete Part A of a hazardous waste permit application pursuant to 40 CFR Part 270, and upon the company's compliance with interim status standards contained in 40 CFR Part 265 or equivalent regulations of New York State.

NOTICE OF LIABILITY FOR ADDITIONAL CIVIL PENALTIES

Pursuant to the terms of Section 3008(a)(3) of the Act, a violator failing to take corrective action within the time specified in a Final Compliance Order is liable for a civil penalty of up to $25,000 for each day of continued noncompliance. Such continued noncompliance may also result in suspension or revocation of any permits issued to the violator pursuant to the authority of the Act.

NOTICE OF OPPORTUNITY TO REQUEST A HEARING

As provided in Section 3008(b) of the Act, and in accordance with EPA's Consolidated Rules of Practices Governing the Administrative Assessment of Civil Penalties and the Revocation or Suspension of Permits, 40 CFR Part 22, 45 Fed. Reg. 24360 (April 9, 1980) (a copy of which accompanies this Complaint, Compliance Order, and Notice of Opportunity for Hearing), you have the right to request a hearing to contest any material fact set out in the Complaint, or to contest the appropriateness of the proposed penalty, or the terms of the Compliance Order. (Consistent with the provisions of Section 3008(b) of the Act, the hearing provided will be noticed and open to the general public, should you specifically request such a public hearing. In the absence of such a specific request, however, public notice of a scheduled hearing will not be published.)

To avoid being found in default, and having the proposed civil penalty assessed and the Compliance Order confirmed without further proceedings, you must file a written answer to the Complaint, which may include a request for a hearing. Your answer (if any) must be addressed to the Regional Hearing Clerk, U.S. Environmental Protection Agency, Region II, 26 Federal Plaza, New York, New York, 10278, and must be filed within thirty (30) days of your receipt of this Complaint, Compliance Order, and Notice of Opportunity for Hearing. Your answer must clearly and directly admit, deny or explain each of the factual allegations contained in the Complaint, and should contain (1) a clear statement of the facts which constitute the grounds of your defense, and (2) a concise statement of the contentions which you intend to place in issue at the hearing.

The denial of any material fact, or the raising of any affirmative defense, will be construed as a request for a hearing. Failure to deny any of the factual allegations in the Complaint will be deemed to constitute an admission of the undenied allegations. Your failure to file a written answer within thirty (30) days of receipt of this instrument will be deemed to represent your admission of all facts alleged in the Complaint, and a waiver of your right to a formal hearing to contest any of the facts alleged by the Complainant. Your default will result in the final issuance of the Compliance Order, and assessment of the proposed civil penalty, without further proceedings.

INFORMAL SETTLEMENT CONFERENCE

Whether or not you request a hearing, the EPA encourages settlement of this proceeding consistent with the provisions of the Act. At an informal conference with a representative of the Complainant you may comment on the charges and provide whatever additional information you feel is relevant to the disposition of this matter, including any actions you have taken to correct the violation, and any other special circumstances you care to raise. The Complainant has the authority to modify the amount of the proposed penalty, where appropriate, to reflect any settlement agreement reached with you in such conference, or to recommend that any or all of the charges be dismissed, if the circumstances so warrant. Your request for an informal conference and other questions that you may have regarding this Complaint, Compliance Order, and Notice of Opportunity for Hearing should be directed to William K. Sawyer, Attorney, Waste and Toxic Substances Branch, Office of Regional Counsel, U.S. Environmental Protection Agency, Region II, 26 Federal Plaza, New York, New York, 10278, telephone (212) 264-4472.

Please note that a request for an informal settlement conference does not extend the thirty (30) day period during which a written answer and request for a hearing must be submitted. The informal conference procedure may be pursued as an alternative to or simultaneously with the adjudicatory hearing procedure. However, no penalty reduction will be made simply because such a conference is

held. Any settlement which may be reached as a result of such conference will be embodied in a written Consent Agreement and Final Compliance Order to be issued by the Regional Administrator of EPA, Region II, and signed by you or your representative. Your signing of such Consent Agreement would constitute a waiver of your right to request a hearing on any matter stipulated to therein.

RESOLUTION OF THIS PROCEEDING WITHOUT HEARING OR CONFERENCE

Instead of filing an answer requesting a hearing or requesting an informal settlement conference, you may choose to comply with the terms of the Compliance Order, and to pay the proposed penalty. In that case, payment should be made by sending to the Regional Hearing Clerk, EPA, Region II, a cashier's or certified check in the amount of the penalty specified in the "Proposed Civil Penalty" section of this instrument. Your check must be made payable to the United States of America.

DATED: New York, New York

Jan. 18, 1984

COMPLAINANT:

/S/

CONRAD SIMON
Director
Air and Waste Management Division
U.S. Environmental Protection Agency
Region II
26 Federal Plaza
New York, New York 10278

TO: Steve Offerman
President
Amsterdam Color Works
1546 Stillwell Avenue
Bronx, New York 10461

cc: Laurens M. Vernon, Esq.
Compliance Counsel
New York State Department of
Environmental Conservation

bcc: Alan Feldman (WH-527)
Charles Zafonte, 2 PM-PA
Cynthia Pabon, 2 RHC
James Cleary, 2 AWM-SW
James Reidy, 2 AWM-SW

CERTIFICATE OF SERVICE

This is to certify that on the 24th day of January 1984 I served a true and correct copy of the foregoing Complaint by certified mail to Steve Offerman, President, Amsterdam Color Works, 1546 Stillwell Avenue, Bronx, New York, 10461. I handcarried the original foregoing Complaint to the Regional Hearing Clerk.

/S/

VICTORIA L. McDONALD
Clerk Stenographer

47-15-14 (3/95)

Region: ___

INSPECTION FORM

CESQG ___
SQG ___
GENERATOR X
TSDF ___
OTHER ___
UNANNOUNCED X
ANNOUNCED ___

NEW YORK STATE INDUSTRIAL HAZARDOUS WASTE MANAGEMENT ACT
(Chapter 639, Laws of 1978)

Prepared for: Commissioner
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Send to: NYSDEC
Division of Hazardous Substances Regulation
Compliance Inspection Section
50 Wolf Road - Room 436
Albany, New York 12233-7253

EPA I.D. NUMBER: N Y D 0 0 1 3 6 0 1 5 5

COMPANY NAME (Corporate): AMSTERDAM COLOR WORKS INC.

(Division): ___

COMPANY MAILING ADDRESS: 1546 STILLWELL

City & State BRONX, NY Zip Code 10461

COMPANY LOCATION ADDRESS: ___

(if different than mailing) ___

City & State ___, NY Zip Code ___

COMPANY TELEPHONE NUMBER: (718) 828-8000 Extension ___

FULL NAME OF COMPANY CONTACT: MR HOWARD GOLDSTEIN

TITLE OF COMPANY CONTACT: TECHNICAL DIRECTOR

INSPECTION DATE: 9/28/1998 TIME OF INSPECTION: ✓ (a.m.) ___ (p.m.)

INSPECTOR'S NAME: ABDOOL JABAR

NAME: ___

REPORT PREPARED BY: Abdool Jabar DATE: 10/15/98

REPORT APPROVED BY: ___ DATE: ___

Part I

General Information and Classification of Facility

1. Identification of Hazardous Waste - 371

	Yes	No
A. Facility generates and/or stores hazardous waste on-site.	X	

(1) X Company filed a RCRA hazardous waste notification and/or Part A of RCRA permit application.

(2) X Company has used knowledge of the hazardous characteristic of the waste to determine if it is hazardous.

(3) X Testing has shown characteristics of:

(X) Ignitability (D001) - 371.3(b)
( ) Corrosivity (D002) - 371.3(c)
( ) Reactivity (D003) - 371.3(d)
( ) Toxicity (D004 - 043) - 371.3(e)

(4) X The material is listed in the regulations as a hazardous waste from non-specific sources (F-Waste). 371.4(b).

(5) NA The waste is listed in the regulations as a hazardous waste from specific sources (K-Waste). 371.4(c).

(6) ___ The material is listed in the regulations as an acute hazardous waste (P-Waste). 371.4(d)(5).

(7) ___ The material or product is listed in the regulations as a discarded commercial chemical product, off-specification species or manufacturing chemical intermediate (U-Waste). 371.4(d)(6).

(8) ___ The material is listed in the regulations as a waste containing PCBs (B-Waste). 371.4(e).

B. The company notified EPA as a:

LQG

Has EPA or DEC officially modified the company's status? Yes ___ No ✓
If yes, attach correspondence.

or unless the hazardous waste remains in the unit more than 90 days after the unit ceases to be operated for manufacturing, or for storage or transportation of product or raw materials - 372.1(e)(7)(i).

B. TSD Exemptions

(1) NA Storage of hazardous waste that is generated on-site in containers or tanks for a period not exceeding 90 days. Other than the storage of liquid hazardous waste over the designated sole source aquifers - 373-1.1(d)(1)(iii).

(2) ___ Storage in containers or tanks of liquid hazardous waste generated on-site over the designated sole source aquifers for a period not exceeding 90 days. These storage areas must comply with the requirements of this exemption whenever any quantity of liquid hazardous waste is stored in tanks, or whenever the total quantity of liquid hazardous waste stored on-site in containers exceeds 185 gallons - 373-1.1(d)(1)(iv).

(3) ___ The on-site storage and treatment of hazardous waste by generators that generate less than 100 kilograms of hazardous waste in any calendar month and store less than 1,000 kilograms. The conditionally exempt small quantity generator requirements listed in subdivision 371.1(f) of this Title remain applicable. If at any time the amount of hazardous waste exceeds 1,000 kilograms, this exemption does not apply. This exemption applies to the on-site storage and treatment of acute hazardous wastes only if the generator generates and stores in any calendar month such acute hazardous waste in quantities less than those listed in 373-1.1(d)(1)(i)(b) of this paragraph - 373-1.1(d)(1)(v).

(4) ___ The storage and recycling of the recyclable materials identified in subparagraphs 371.1(g)(1)(iii) and (iv) of this Title - 373-1.1(d)(1)(vi).

(5) ___ The storage of the following recyclable materials is exempt from permitting provided that Subpart 374-1 is complied with. (NOTE: Subpart 374-1 will require that the facility also complies with selected sections of this Part.) - 373-1.1(d)(1)(vii):

(a) NA ___ recyclable materials used in a manner constituting disposal (see section 374-1.3);

(b) ___ hazardous wastes burned for energy recovery in boilers and industrial furnaces that are not regulated under section 373-2.15 or 373-3.15 of this Title (see section 374-1.8);

(c) ___ recyclable materials from which precious metals are reclaimed (see section 374-1.6);

(d) ___ spent lead-acid batteries that are being reclaimed (see section 374-1.7).

(6) NA The recycling of hazardous wastes is exempt from permitting provided 373-2.2(c) (identification number), 372.4(b) (use of manifest system), 372.4(d)(1) (manifest discrepancies) and

(10)___ Accumulation areas are exempt, provided that they are used to accumulate waste in accordance with the requirements of subparagraph 372.2(a)(8)(i) of this Title - 373-1.1(d)(1)(xiv).

(11)___ A transporter storing manifested shipments of hazardous waste in containers meeting the requirements of paragraph 372.2(a)(4) of this Title at a transfer facility for a period of ten calendar days or less is exempt, provided that the transfer facility is not located on the site of any commercial hazardous waste treatment, storage or disposal facility subject to permitting under this Part. Complete Part VII - 373-1.1(d)(1)(xi).

3. Hazardous Waste Generation/Treatment/Storage/Disposal

A. Describe only the activities that result in the generation of hazardous waste. Include manufacturing processes that generate hazardous waste. [Do not include hazardous waste treatment processes.]

The facility formulates paints, epoxies, thinners & primers

B. Describe any on-site hazardous waste treatment processes that result in the generation of hazardous waste (exempt and/or non-exempt). Include process diagrams if available.

NONE

C. Identify the hazardous wastes that are on-site, the quantity of each, the storage method, the type and size of containers or tanks used and their location in the storage area. (Be as specific as possible.)

(1) Accumulation Areas [NOTE: Waste in accumulation areas must be included as part of the total quantity of waste on-site]:

NONE

(6) Any other treatment, storage or disposal units such as lagoons, surface impoundments, landfills, waste piles, incinerators, energy recovery units, or underground injection units:

NA

4. Status Identification:

A. Generator Status

(1) NA Conditionally Exempt Small Quantity Generator (CESQG) - generates less than 100 kg/mo of non-acute hazardous waste or 1 kg/mo of acute hazardous waste. Complete Part III - 372.1(f)(6), 371.1(f)(7).

(2) NA Small Quantity Generator (SQG) - generates more than 100 kg/mo but less than 1,000 kg/mo of non-acute hazardous, and accumulates no more than 6,000 kg of non-acute hazardous waste on-site. Complete Part IV - 372.2(a)(8)(iii).

(3) ✓ Generator - generates more than 1,000 kg/mo of non-acute hazardous waste or generates more than 1 kg of acute hazardous waste in a calendar month. Complete Part V - 372.2(a)(8)(ii).

B. Treatment, Storage or Disposal Facility (TSDF) NA

(1) ___ Hazardous waste is stored greater than 90 days.*,**

(2) ___ Hazardous waste is received from off-site and not beneficially used, reused or legitimately recycled or stored.*

(3) ___ Hazardous waste is treated on-site in non-exempt units.*

(4) ___ Hazardous waste is disposed of on-site.*

* (If checked Complete Part VI and/or appropriate Appendices)
** (Do not complete for generators only that have exceeded the 90 day storage limit.)

C. Transporter Status

Yes ___ No ___ Hazardous waste is transported by this company.

If Yes, Complete Part VII Permit No. _____

EPA I.D. No. _____ Insp. Date. _____

NOT FOR RELEASE TO COMPANY, PROTECTED INFORMATION

_____

_____

_____

_____

_____

Recommendations

✓ No violations found. Thank you letter should be issued.

___ A warning letter should be issued.

___ A strong warning letter should be issued.

___ A complaint should be issued and a fine levied.

___ Other (please explain)*

_____

_____

_____

_____

_____

_____

_____

_____

*Do not refer cases directly to the BECI unit. All BECI referrals will be made by the Central Office.

Part V

LARGE QUANTITY GENERATOR

Indicate:

X Violations

Indicate:

X Satisfactory
NA Not Applicable

The generator who generates 1,000 kilograms or more per month of non-acute hazardous waste or generates greater than 1 kg per month of acute hazardous waste has complied with the following:

1. General Requirements

(a) ___ The generator has made a determination as to whether or not his solid waste is a hazardous waste - 372.2(a)(2). X

(b) ___ The generator has obtained an EPA identification number - 372.2(a)(3). X

(c) ___ Before transporting or offering hazardous waste for * transportation off-site the generator has packaged the waste in accordance with the applicable USDOT regulations - 372.2(a)(4). NA

(d) ___ Before transporting or offering hazardous waste for * transportation off-site the generator has labeled each package of waste in accordance with the applicable USDOT regulations - 372.2(a)(5). NA

(e) ___ Before transporting or offering hazardous waste for * transportation off-site the generator has marked each container or package of waste properly - 372.2(a)(6). NA

* Note: This does not apply to drums in storage.

2. Accumulation Area Requirements - 372.2(a)(i)

(a) ___ The containers appear to be in good condition and are not in danger of leaking - 373-3.9(b). NA

(b) ___ Hazardous waste is stored in containers made of compatible materials - 373-3.9(c).

(c) ___ All containers except those in use are closed - 373-3.9(d)(1).

(d) ___ Containers holding hazardous waste must not be opened, handled or stored in a manner which may rupture the containers or cause them to leak - 373-3.9(d)(2).

(e) ___ Containers are marked with the words "Hazardous Waste" and with other words that identify the contents of the containers - 372.2(a)(8)(i)(a)(2).

Indicate:

X Violations

Indicate:

X Satisfactory
NA Not Applicable

(i) ___ The generator complies with the following special requirements related to storage of ignitable or reactive wastes - 373-3.9(f): NA

(1) ___ Containers holding ignitable or reactive waste are located at least 15 meters (50 feet) from the facility property line - 373-3.9(f).

(2) ___ Generator has taken precautions to prevent accidental ignition or reaction of ignitable or reactive waste by separating and protecting such waste from sources of ignition or reaction - 373-3.2(h)(1).

(3) ___ Generator has placed "No Smoking" signs conspicuously wherever there is a hazard from ignitable or reactive waste - 373-3.2(h)(1).

(j) ___ The generator complies with the following special requirements related to incompatible wastes - 373-3.9(g):

(1) ___ Incompatible wastes, or incompatible wastes and materials, are not placed in the <u>same container</u>, or in an unwashed container that previously held an incompatible waste or material unless the placement is conducted to prevent the following - 373-3.9(g)(1) & (2):

(a) ___ the generation of extreme heat or pressure, fire or explosion, or violent reaction - 373-3.2(h)(2)(i);

(b) ___ production of uncontrolled toxic mists, fumes, dusts or gases in sufficient quantities to pose a risk of fire or explosions - 373-3.2(h)(2)(ii);

(c) ___ production of uncontrolled flammable fumes or gases in sufficient quantities to pose a risk of fire or explosions - 373-3.2(h)(2)(iii);

(d) ___ damage to the structural integrity of the device or facility containing the waste - 373-3.2(h)(2)(iv); or

(e) ___ a threat to human health or the environment - 373-3.2(h)(2)(v).

(2) ___ Containers holding a hazardous waste that is incompatible with any waste or other materials stored nearby in other containers, piles, open tanks, or surface impoundments must be separated from the other materials or protected from them by means of a dike, berm, wall, or other device - 373-3.9(g)(3).

(k) ___ Special requirements for generators of <u>liquid</u> hazardous waste over sole source aquifers or generators that store more than 8,800 gallons of <u>liquid</u> hazardous waste - 373-1.1(d)(1)(iii), 373-1.1(d)(1)(iv).

Indicate:

X Violations

Indicate:

X Satisfactory
NA Not Applicable

5. Manifest, Reporting and Recordkeeping Requirements

(a) ___ Hazardous waste is shipped off-site with an accompanying manifest - 372.2(b)(5)(i). X

If "violation" is checked, please elaborate.

(b) List the frequency of shipments and the amount of waste per shipment.

Once every 4-6 months

(c) ___ The transporter has a valid Part 364 permit or is otherwise authorized to transport the waste to the designated facility - 372.2(b)(5)(ii). X

List transporter and permit number.

SAFETY KLEEN

(d) ___ The generator offers for shipment or ships hazardous waste to an authorized facility. - 372.2(b)(5)(iii). X
If violation, list names of any unauthorized facilities.

(e) ___ Each manifest is completed in accordance with the instructions found in Appendix 30 of Part 372 - 372.2(b)(1). [Indicate items in violation]

		Generator	Trans 1	Trans 2	TSDF	
(1) ___	Name of	___	___	___	___	X
(2) ___	EPA ID No. of	___	___	___	___	X
(3) ___	Mailing Address of	___			___	X
(4) ___	Telephone No. of	___	___	___	___	X
(5) ___	Manifest Document #					X
(6) ___	The proper USDOT description.					X

Indicate:

X Violations

Indicate:

X Satisfactory
NA Not Applicable

(m) ___ A generator must keep records of any test results, waste analyses, or other determinations made in accordance with Part 372.2(a)(2) for at least three years - 372.2(c)(1)(iii). X

(n) ___ All records required under subdivision 372.2(c) were furnished upon request, or made available at a reasonable time for inspection - 372.2(c)(1)(iv). X

(o) ___ There is written communication that the designated treatment, storage or disposal facility is an authorized treatment, storage or disposal facility for the particular wastes being offered for shipment and has capacity to accept the hazardous waste set forth on the manifest and will assure the ultimate disposal method is followed - 372.2(b)(2)(i). X

(p) ___ There is written communication that the designated transporter is authorized to deliver the waste to the facility on the manifest - 372.2(b)(2)(ii). X

(q) ___ A generator who ships hazardous waste off-site to a treatment, storage or disposal facility located within the United States must submit an Annual Report on forms specified by the Commissioner - 372.2(c)(2). X

6. Personnel Training - 373-3.2(g)

(a) ___ The following documents and records are maintained at the facility - 373-3.2(g)(4): X

(1) ___ the job title for each position at the facility related to hazardous waste management and name of the employee filling each job - 373-3.2(g)(4)(i); X

(2) ___ a written job description for each position - 373-3.2(g)(4)(ii); X

(3) ___ a written description of the type and amount of both introductory and continuing training that will be given to each person related to hazardous waste management - 373-3.2(g)(4)(iii); and X

(4) ___ records that document that the training or job experience required has been given to and completed by facility personnel - 373-3.2(g)(4)(iv). X

(b) ___ The training program is directed by a person trained in hazardous waste management procedures and must include instruction which teaches facility personnel hazardous waste management procedures (including X

Indicate:

X Violations

Indicate:

X Satisfactory
NA Not Applicable

(2) ___ A device, such as a telephone (immediately available at the scene of operations) or a hand-held, two-way radio capable of summoning emergency assistance from local police departments, fire departments, or State or local emergency response teams - 373-3.3(c)(2); X

(3) ___ Portable fire extinguishers, fire control equipment, spill control equipment and decontamination equipment - 373-3.3(c)(3); and X

(4) ___ Water at adequate volume and pressure to supply water hose streams, or foam-producing equipment, or automatic sprinklers, or water spray systems - 373-3.3(c)(4). X

(c) ___ Facility communications or alarm systems, fire protection equipment, and spill control equipment are tested and maintained as necessary to assure their proper operation in time of emergency - 373-3.3(d). X

(d) ___ Personnel involved in hazardous waste operations have immediate access to an internal alarm or emergency communication device - 373-3.3(e). X

(e) ___ The owner or operator must maintain aisle space to allow the unobstructed movement of personnel, fire protection equipment, spill control equipment, and decontamination equipment to any area of facility operation in an emergency unless aisle space is not needed for any of these purposes - 373-3.3(f). NA

(f) ___ The facility owner or operator has attempted to make the following arrangements as appropriate with local authorities for the type of waste handled at the facility and the potential need for the services of these organizations - 373-3.3(g)(1): X

(1) ___ Arrangements to familiarize police, fire departments and emergency response teams with the functions and layout of the facility - 373-3.3(g)(1)(i); X

(2) ___ Where more than one police and fire department might respond to an emergency, an agreement designating primary emergency authority to a specific police and a specific fire department, and agreements with any others to provide support to primary emergency authority - 373-3.3(g)(1)(ii); NA

(3) ___ Agreements with State emergency response teams, emergency response contractors, and equipment suppliers - 373-3.3(g)(1)(iii); and X

(4) ___ Arrangements to familiarize local hospitals with the properties of hazardous waste handled at the facility and the types of injuries or illnesses which could X

(8) ___ The emergency coordinator provided for treating, storing or disposing of recovered waste, contaminated soil or surface water, or any other material that resulted from a release, fire or explosion at the facility;

(9) ___ The emergency coordinator ensured that in the affected area no waste that may be incompatible with the released material was treated, stored or disposed of until cleanup procedures were completed;

(10) ___ The emergency coordinator ensured that all emergency equipment listed in the contingency plan was cleaned and fitted for its intended use before operations were resumed;

(11) ___ The owner or operator notified the Commissioner that the facility is in compliance with Part 373-3.4(g)(8) before operations were resumed in the affected areas of the facility;

(12) ___ The owner or operator noted in the operating record the time, date and details of the incident that required implementation of the contingency plan;

(13) ___ The owner or operator submitted a complete written report on the incident within 15 days after the incident occurred.

New MM Checklist ?

INSPECTOR'S MULTI-MEDIA CHECKLIST

Facility Name: AMSTERDAM COCOA WORKS

Facility Address: 1546 STILLWELL AVENUE
BRONX, NY 10461

Facility ID No.: NYD001360155

Facility Contact: MR HOWARD GOLDSTEIN

Facility Phone: 718-828-8000

Inspector's Name: ABDOOL JABAR

Inspector's Phone: 212-637-4131 Division/Branch: DECA-RCB

Date of Inspection: 9/28/98

Referred to : _____ Date: _____
[with **copy** to Charles Zafonte, MM Coordinator, for tracking.]

Date Response Received: _____
In Compliance: Yes_____ No_____
If Yes: Violation Resolved_____
Action Taken (describe) _____

Attachment A- Follow-Up Questions

RADIATION

Ask:

1. Are any radioactive materials used or stored at this facility? ___YES X NO

2. **If YES,** does the facility have a state or federal radiation license? ___YES ___NO*

AIR COMPLIANCE

1. With sun BEHIND you, observe: Is opaque smoke being emitted from a smokestack, vent or opening? __YES* X NO

"Opaque smoke" is smoke -- not steam -- dark enough to obscure anything behind the plume for five minutes or more. (Steam dissipates at a given point; smoke trails off.) The sun (if not obscured by clouds) should be in a 140° arc behind the observer. ***Please note whether sun was obscured; if sun was not obscured, note the relative positions of the sun, the observer and the emission point observed.***

2. **If YES:**
   A. Which process or process line is smoke coming from? (Try to be specific, e.g., "Boiler No. 4" or "Coating Line C"). _____
   B. What is the cause of the smoke emission? e.g.
      i. Is any air pollution control equipment out of service or turned off while production is ongoing? ____YES ____NO
      ii. **If YES:** When will it be back on line? _____
      iii. Is the facility operating under an unusual load, using different fuels, or process feed materials? ___YES ___NO
   C. Note color of smoke: _____

3. A. Has the facility added any processes or expanded any pre-existing processes in the last two years? __YES X NO
   If YES:
   B. Did the facility obtain any state or federal air pollution permits for the expansion? ___YES __NO*

4. A. Has the facility undergone any renovations or demolitions during the last 18 months which involved the removal or disturbance of asbestos-containing materials? __YES X NO
   If YES:
   B. Approximately how many square feet or linear feet of asbestos-containing materials were removed? _____
   C. If the amount exceeded 260 linear feet, or 160 square feet, **REFER** to Air Compliance Branch; and **Ask:** was EPA notified of removal? ____YES ____NO*

5. A. Does the facility have any air conditioning/refrigeration equipment which their employees perform service on **involving the refrigerant**? (i.e., maintaining, servicing, repairing, or disposing of equipment. This applies **ONLY** to refrigerants that contain **CFC's**.) ____YES X NO
   If YES:
   B. Does facility have Recovery/Recycle or Recovery only equipment? ____YES ____NO*

PUBLIC WATER SUPPLY

1. **Observe/Ask:** Does the facility have its own water supply (i.e., a well)? ___YES X NO

2. **If YES to #1:** Does the facility provide potable water for 25 or more persons? ___YES ___NO

3. **If YES to #2:** Is the facility sampling and analyzing for contaminants in its water supply and reporting the results to the state? ___YES __NO**

*** Refer facility located in NY, NJ to Water Compliance Branch and facility in PR, VI to Environmental Management Branch of CEPD*

UNDERGROUND STORAGE TANKS (UST)

1. Does the facility have regulated USTs? ___YES X NO

A regulated UST has more than 10% of volume located underground; ***and*** *contains petroleum products or CERCLA hazardous substances.*

2. Are all USTs used to store fuel oil for on-site heating? ___YES ___NO

If yes to #2, do not complete the rest-the facility is EXEMPT.

3. What kind of petroleum product or hazardous substance does UST contain?_____

4. Is there any evidence of UST leakage/spillage? ___YES*** ___NO

*** Refer facility located to Water Compliance Branch

EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT (EPCRA)

Ask:

1. A. Does the facility have present any of the 360 "Extremely Hazardous Substances" in excess of established threshold planning quantities? X YES ___NO

Threshold planning quantities are established by regulation, vary by chemical and range from 1 to 5000 lbs.

B. **If YES:** Was the State Emergency Response Commission (SERC) and Local Emergency Planning Committee (LEPC) notified of their presence for local planning purposes? X YES ___NO*

2. A. Has the facility had a release of an Extremely Hazardous Substance or a CERCLA hazardous substance in excess of the Superfund reportable quantity? ___YES* X NO

Reportable quantities vary by substance, ranging from 1 lb. to 5000 lbs. For the purpose of this checklist, assume 1 lb.

B. **If YES:** Was notification of the release provided? ___YES ___NO*

C. **If YES:**

i. To whom was the notification given?

ii. Was notification oral or written?

TOXIC SUBSTANCES CONTROL ACT (TSCA)

Polychlorinated Biphenyls (PCBs) 40 CFR Part 761

SAFETY WARNING: Stay ten feet from any high voltage conductors.

Ask:

1. Does the facility use liquid filled electrical equipment (i.e. transformers, capacitors) manufactured before 1980?
   Exclude equipment containing less than 3 lbs (1 quart) of fluid.
   Only include utility owned equipment if inspecting the utility.
   ___**YES** X NO

   A. If **Yes**, how many of the above are transformers:
   - Containing PCBs at greater than 500 ppm? _____*
   - Containing PCBs <500 ppm but ≥50 ppm? _____*
   - Containing fluid with an unknown PCB concentration? _____*

   B. If **Yes**, how many of the above are capacitors? _____*

2. Does the facility have any hydraulic systems manufactured before 1980 which use or used high temperature fluid? ___**YES** X NO

   A. If **Yes**, has each system been tested for PCBs? ___YES ___**NO***

   B. Do any currently have PCB concentrations ≥50 ppm? ___**YES*** ___NO

3. Does the facility have any oil filled heat transfer systems manufactured before 1980? ___**YES** X NO

   A. If **Yes**, has each system been tested for PCBs? ___YES ___**NO***

   B. Do any currently have PCB concentrations ≥50 ppm? ___**YES*** ___NO

4. Does the facility have PCB waste stored for disposal? ___**YES*** X NO

Things which may be to OBSERVED: NA

PCB Items (transformers, capacitors, containers)
- Are any **leaking**? ___**YES*** ___NO
- Do all (except transformers <500 ppm) have a **PCB Mark M_L**? ___YES ___**NO***

PCB Waste: In addition to the PCB Mark M_L, is PCB waste in storage for disposal marked with the **date removed from service for disposal**: ___YES ___**NO***

Is **PCB waste currently stored** for more than 30 days in any area? ___**YES** ___NO

If **Yes**, does the area have:
- a roof and walls to keep out rain? ___YES ___**NO***
- a 6" high impervious containment berm? ___YES ___**NO***
- a PCB Mark M_L for the area? ___YES ___**NO***
- a location not in a 100-year flood plain? ___YES ___**NO***

WETLANDS

1. **Observe:**

A. Are there any wet areas (i.e., marshes, swamps, bogs) on or adjacent to the site, with or without wetlands-type vegetation such as cattails, rushes, or sedges? ___YES X NO

Sketches of several common wetlands plants are attached. Note that there need not be standing water in order for an area to be designated a federal wetland; and some wetlands have shrubs and trees present.

B. Are there any waterbodies or waterways on or adjacent to the site? ___YES X NO

(continued)

2. If answer to # 1. A **or** B was "YES," is there any work (clearing, filling, dredging, ditching, construction on or over the area, etc.) being conducted in these areas, **or** is there any evidence that such activities have occurred very recently? ___YES X NO

3. **If YES:** A. When was the work undertaken? _____

B. Does the facility have any permits for this work? ___YES ___NO*

4. **If YES:** A. What agency(s) issued such permits? _____ (e.g., U.S. Army Corps of Engineers; State environmental agency.)

B. For any federal permits, what specific type of permits are they (i.e., nationwide, regional, individual)?

_____

*If facility is unable to provide adequate information in response to # 4., ***REFER*** to program office.*

FEDERAL INSECTICIDE, FUNGICIDE AND RODENTICIDE ACT (FIFRA)

1. **If the inspection is conducted at a manufacturing facility, ask the following:**

A. Are there any pesticides manufactured, relabeled, or repackaged at this establishment?
___ **YES** X NO

Pesticide is (1) any substance or mixture of substances intended for preventing, destroying, repelling, or mitigating any pest, or (2) any substance or mixture of substances intended for use as a plant regulator, defoliant, or desiccant.

B. If **A. is YES**, does the establishment have an EPA Establishment Number? (EPA EST. #)
___ YES ___ **NO***

Section 7 of FIFRA requires all establishments producing, relabeling and/or repackaging pesticides be registered with EPA.

C. If **B. is Yes**, enter the Establishment Number here _____ and continue:

D. Has the company filed the Annual Pesticide Production Report form? ___ YES ___ **NO***

(Report due March 2 of each year for the previous calendar year's production.)

2. **If the inspection is conducted at a storage-distribution facility or at a retail facility, ask the following:**

CRIMINAL ACTS

During the course of this inspection, has anything been brought to your attention which would indicate the following:

1. Is the facility involved in deliberate acts of dumping or discharging wastes? ___ Yes* X No

2. Is there any evidence of bad intent or conduct? For example, falsification or records or efforts to conceal activities? ___ Yes* X No

3. Has there been any actual harm to individuals as a result of violations? ___ Yes* X No

4. Other activity or behavior which you believe indicates criminal behavior? ___ Yes* X No

Refer to Criminal Investigation Division if you checked Yes.

RCRA INSPECTION REPORT:
Amsterdam Color Works Inc.
1546 Stillwell Avenue
Bronx, NY 10461

Inspector: Abdool Jabar, Environmental Engineer
Date of Inspection: September 28, 1998
Time of Inspection: 10 am to 12:45 pm
EPA Handler ID #: NYD001360155
Reason for Inspection: Compliance Evaluation Inspection

Attendees:
Abdool Jabar, USEPA Region II DECA-RCB, (212) 637-4131
Howard Goldstein, Technical Director, 718-828-8000

Background:
This facility is a manufacturer of coatings- latex, oil paints and epoxies. It also maunfacturers primers and thinners. The products are sold under the name of "Amsterdam Colors". The facility has been at this site for the past 60 years. The facility employs about 25 persons. The facility mixes the products in tanks. The facility uses mineral spirits, xylene, methyl ethyl ketone, toluene and naptha as ingredients, however some of the material is used to clean the tanks. This material is used stored and used as ingredient for lower grade products. The facility is a large quantity generator and was inspected for compliance with the RCRA generator requirements.

Inspection Summary:
The facility formulates oil paints, latex and expoxies in tanks with agitators. Some of the solvents are used as ingredient in making the products. Solvents are also used to wash the tanks when a different batch is needed. The facility uses a small evaporator to distill some of the solvent used. Most of the material is condensed and the emissions is connected to a closed vent system which has an air permit for its emissions. The wash solvents are stored in tanks and are reused as ingredients in the manufacturing process. If the facility has any product that is off-specification, that product is reworked into making other products.

If there are a large amount of material that has already been used and cannot be stored for reuse, the facility determines that the material should be shipped off a waste. At that point, a waste hauler (Safety Kleen) is called and the material is pumped out of the tank. This occurs about two or three times a year. The amount that is shipped off per year is about 28,000 pounds per year. There are no dedicated hazardous waste storage tanks or containers and no satellite accumulation areas.

Records review.
Manifests for 1996 through 1998 were reviewed. No violations were found.

Contingency Plan.
The facility's contingency plan was reviewed and found to be ok.

Personnel Training
The personnel training records were reviewed and found to be OK.

Emergency Preparedness
Letters to the relevant authories transmitting the contingency plan were in the files. The MSDS sheets were sent to the hospital.

Observations
There were no violations.

NYS Department of Environmental Conservation
Office of General Counsel
625 Broadway, Albany, New York 12233-1500
(518) 402-9018 (Fax)

Joe Martens
Commissioner

FOIL Request No. 12-601
3/12/2012

Ms. Victoria Ryback
Whitestone Associates, Inc.
35 Technology Drive
Warren, NJ 07509-

Dear Ms. Ryback:

This is to acknowledge receipt of your Freedom of Information Law request seeking records regarding: **Vacant Land, 1547 Bassett Avenue, Bronx, NY; Owner: Amsterdam Color Works**

I have referred your request to the following Records Custodian(s) / Freedom of Information Law Coordinator(s) who may possess the records you are requesting:

Dr. Fawzy Abdelsadek - Region 2
2 Hunters Point Plaza 4740 21st Street
Long Island City, NY 11101-5407 (718) 482-4507

You may expect a response to your request by **4/9/2012.**

If I can be of further assistance, please contact me at (518) 402-9522 . Refer to request number 12-601 , if you write or call.

Sincerely,

Ruth L. Earl
Records Access Officer

NYS Department of Environmental Conservation
Office of General Counsel
625 Broadway, Albany, New York 12233-1500
(518) 402-9018 (Fax)

Joe Martens
Commissioner

FOIL Request No. 12-602
3/12/2012

Ms. Victoria Ryback
Whitestone Associates, Inc.
35 Technology Drive
Warren, NJ 07509-

Dear Ms. Ryback:

This is to acknowledge receipt of your Freedom of Information Law request seeking records regarding: **Former Amsterdam Color Works, 1538 Stillwell Avenue, Bronx, NY; Owner: Stephen Offerman**

I have referred your request to the following Records Custodian(s) / Freedom of Information Law Coordinator(s) who may possess the records you are requesting:

Dr. Fawzy Abdelsadek - Region 2
2 Hunters Point Plaza 4740 21st Street
Long Island City, NY 11101-5407 (718) 482-4507

You may expect a response to your request by **4/9/2012.**

If I can be of further assistance, please contact me at (518) 402-9522 . Refer to request number **12-602** , if you write or call.

Sincerely,

Ruth L. Earl
Records Access Officer

Victoria L. Ryback

From: Nicole M. Perkins
Sent: Wednesday, March 28, 2012 10:01 AM
To: Victoria L. Ryback
Subject: FW: R2-12-507-Ryback& R2-12-508-Ryback-NoRecords.docx

-----Original Message-----
From: Foil r2foil [mailto:r2foil@gw.dec.state.ny.us]
Sent: Wednesday, March 28, 2012 10:02 AM
To: Nicole M. Perkins
Subject: R2-12-507-Ryback& R2-12-508-Ryback-NoRecords.docx

March 26, 2012

FOIL: R2-12-507 &
R2-12-508

Victoria Ryback/Whitestone Associates, Inc
908-668-7777
F 908-754-5936
nperkins@whitestoneassoc.com

Re: R2-12-507: 1547 Bassett Ave in the Bronx
R2-12-508: 1538 Stillwell Ave in the Bronx

Dear Ms. Ryback :

NYSDEC/Region 2 has reviewed your request for the above referenced records under New York State's Freedom of Information Law (FOIL). Please note that most of our records are filed by number under the names of individuals or corporations. We have no way of locating or retrieving records if they are filed under names or addresses other than those you have provided.

If no records have been located, this does not necessarily mean, and should not be interpreted to mean that there have never been any violations, complaints, claims, investigations or inquiries involving those names or addresses. We cannot make any representations as to whether there are or have been any such violations, complaints, Claims, investigations or inquiries.

☒ After a diligent search of Region 2 available files, no records could be located for the names and/or addresses you provided.

Please email your future FOILs to Region directly to the following email address: r2foil@gw.dec.state.ny.us

Thank you for your request. If additional information is needed, please call Gloria Silva/Or Cynthia Whiting/FOIL Secretary at (718) 482-4507, or email me at: r2foil@gw.dec.state.ny.us

Sincerely yours,

Fawzy I. Abdelsadek, Ph.D., P.E.
Regional Enforcement Coordinator

Fawzy I. Abdelsadek, Ph.D., P.E.
Regional Enforcement Coordinator & FOIL Coordinator New York State Department of Environmental Conservation Region 2
47-40 21St Street
Long Island City, NY 11101
Tel:(718) 482-4992
Fax:(718) 482-6729
r2foil@gw.dec.state.ny.us

NEW YORK CITY DEPARTMENT OF
HEALTH AND MENTAL HYGIENE
Thomas Farley, MD, MPH
Commissioner

RECEIVED
MAR 26 2012

Christopher D'Andrea
Deputy Director

Office of Environmental Investigations
125 Worth St., Room 630
New York, NY 10013

Tel. 1 212 442 3372
Fax 1 212 788 4299

March 20, 2012

Whitestone Associates, Inc
35 Technology Drive
Warren, NJ 07059

Request No: 2012FR00648

Dear Victoria Ryback:

In response to your recent request for environmental records on:

- 1547 Bassett Avenue, Bronx, NY

Please note the following:

☒ The Office of Environmental Investigations has "NO" record of an investigation at the above address.

☐ Enclosed are copies of the requested records we have on file.

Sincerely,

Christopher D'Andrea, MS, CIH
Deputy Director

Cc: Renee Bryant

NEW YORK CITY DEPARTMENT OF
HEALTH AND MENTAL HYGIENE
Thomas Farley, MD, MPH
Commissioner

Health

RECEIVED
MAR 26 2012

Christopher D'Andrea
Deputy Director

Office of Environmental Investigations
125 Worth St., Room 630
New York, NY 10013

Tel. 1 212 442 3372
Fax 1 212 788 4299

March 20, 2012

Whitestone Associates, Inc
35 Technology Drive
Warren, NJ 07059

Request No: 2012FR00647

Dear Victoria Ryback:

In response to your recent request for environmental records on:

- 1538 Stillwell Avenue, Bronx, NY

Please note the following:

☒ The Office of Environmental Investigations has "NO" record of an investigation at the above address.

☐ Enclosed are copies of the requested records we have on file.

Sincerely,

Christopher D'Andrea, MS, CIH
Deputy Director

Cc: Renee Bryant

Environmental Protection

Carter H. Strickland, Jr.
Commissioner

John Rousakis
General Counsel
Bureau of Legal Affairs

Records Access Officer

59-17 Junction Boulevard
Flushing, NY 11373
T: (718) 595-3448
F: (718) 595-6543

March 9, 2012

Ms. Victoria Ryback
Whitestone Associates, Inc.
35 Technology Drive
Warren, NJ 07059

RECEIVED
MAR 12 2012

Dear Ms. Ryback:

Re: 1538 Still Well Avenue, Bronx
Project # EJ111829.001

We hereby acknowledge receipt of your **Freedom of Information Law** request dated March 2, 2012.

Your request is important to us and will be handled as expeditiously as possible. You are advised, however, that because of the large increase in the volume of such requests your response may be delayed.

If you have any questions, please call Brenda Farren, Records Access Officer, at (718) 595-3448. Please refer to the ***FOIL log number(s)*** listed below when calling.

Sincerely,

Brenda Farren

Brenda Farren
FOIL Access Officer

FOIL log #(s) 79347, 79348, 79349, 79350

WHITESTONE ASSOCIATES, INC.
ENVIRONMENTAL & GEOTECHNICAL ENGINEERS & CONSULTANTS

35 TECHNOLOGY DRIVE
WARREN, NJ 07059
908.668.7777
FAX 908.754.5936
www.whitestoneassoc.com

March 2, 2012

NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION
59-17 Junction Boulevard
Corona, New York 11368
(718) 595-6530 (tel.)

Attention: Marie A. Dooley
Assistant Counsel

Sent by regular mail

Regarding: REQUEST FOR INFORMATION AND ACCESS TO PUBLIC FILES
FORMER AMSTERDAM COLOR WORKS
OWNER: STEPHEN OFFERMAN
1538 STILLWELL AVENUE
BLOCK 4219, LOT 16
BRONX, BRONX COUNTY, NEW YORK
WHITESTONE PROJECT NO.: EJ1111829.001

Dear Ms. Dooley:

Whitestone Associates, Inc. is conducting a Phase I Environmental Site Assessment at the above-referenced locations. Pursuant to the *Freedom of Information Law*, Whitestone requests the opportunity to access, review, and copy any available files addressing or pertinent to environmental investigations, underground storage tanks (USTs), corrective actions, contaminant releases, incidents, fires, hazardous materials storage, citations, notices of violation, or other areas of concern at the above referenced properties.

I appreciate your prompt attention to these matters, and would like to establish a date to access and review any site files as soon as possible. Please contact me at (908) 668-7777 with any questions regarding this request. Please make reference to Whitestone's project number in your reply.

Sincerely,

WHITESTONE ASSOCIATES, INC.

Victoria Ryback

Victoria Ryback
Environmental Specialist

LOG#79349

2012 MAR -7 PM 2:03

L:\Job Folders\2011\1111829E\Backup and Reference Docs\FOIL\NYCDEP-Lot16.wpd

NYC
Environmental Protection

Carter H. Strickland, Jr.
Commissioner

Vincent Sapienza
Deputy Commissioner
Bureau of Wastewater Treatment
vsapienza@dep.nyc.gov

96-05 Horace Harding Expressway
Corona, NY 11368
T: (718) 595-4906
F: (718) 595-6950

Date: 3/14/12

Re: Freedom of Information Law Request (FOIL) # 79349

Dear Sir or Madam:

I am writing in response to your FOIL request (see attached). This response specifically addresses only those aspects of your request related to the discharge of wastewater or other materials to a New York City public sewer. As this letter only pertains to records in the custody of the Division of Pollution Control and Monitoring, if your request was also directed to other divisions within the Bureau of Wastewater Treatment or to other bureaus within the Department of Environmental Protection, then you will receive a separate response from those divisions or bureaus.

Concerning your request, the **Division of Pollution Control and Monitoring**:

[ ] cannot identify the requested location because _____.

[X] after search, has not identified any records responsive to your request.

[ ] has identified records responsive to your request. Please telephone me at (718) 595-4756 to arrange for an appointment to review the information.

[ ] other _____

Sincerely,

Vitaly Weiler
FOIL Liaison
Division of Pollution Control and Monitoring

Environmental Protection

Carter H. Strickland, Jr.
Commissioner

John Rousakis
General Counsel
Bureau of Legal Affairs

Records Access Officer

59-17 Junction Boulevard
Flushing, NY 11373
T: (718) 595-3448
F: (718) 595-6543

March 12, 2012

Ms. Victoria Ryback
Whitestone Associates, Inc.
35 Technology Drive
Warren, NJ 07059

RECEIVED
MAR 15 2012

Dear Ms. Ryback:

Re: 1547 Bassett Avenue
Project # EJ1111829.001

We hereby acknowledge receipt of your **Freedom of Information Law** request dated March 2, 2012.

Your request is important to us and will be handled as expeditiously as possible. You are advised, however, that because of the large increase in the volume of such requests your response may be delayed.

If you have any questions, please call Brenda Farren, Records Access Officer, at (718) 595-3448. Please refer to the ***FOIL log number(s)*** listed below when calling.

Sincerely,

Brenda Farren

Brenda Farren
FOIL Access Officer

FOIL log #(s) 79445, 79446, 79447, 79448

WHITESTONE ASSOCIATES, INC.
ENVIRONMENTAL & GEOTECHNICAL ENGINEERS & CONSULTANTS

35 TECHNOLOGY DRIVE
WARREN, NJ 07059
908.668.7777
FAX 908.754.5936
www.whitestoneassoc.com

March 2, 2012

NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION
59-17 Junction Boulevard
Corona, New York 11368
(718) 595-6530 (tel.)

Attention: Marie A. Dooley
Assistant Counsel

Sent by regular mail

Regarding: REQUEST FOR INFORMATION AND ACCESS TO PUBLIC FILES
VACANT LAND
OWNER: AMSTERDAM COLOR WORKS
1547 BASSETT AVENUE
BLOCK 4226, LOT 290
BRONX, BRONX COUNTY, NEW YORK
WHITESTONE PROJECT NO.: EJ1111829.001

T-11137

Dear Ms. Dooley:

Whitestone Associates, Inc. is conducting a Phase I Environmental Site Assessment at the above-referenced locations. Pursuant to the *Freedom of Information Law*, Whitestone requests the opportunity to access, review, and copy any available files addressing or pertinent to environmental investigations, underground storage tanks (USTs), corrective actions, contaminant releases, incidents, fires, hazardous materials storage, citations, notices of violation, or other areas of concern at the above referenced properties.

I appreciate your prompt attention to these matters, and would like to establish a date to access and review any site files as soon as possible. Please contact me at (908) 668-7777 with any questions regarding this request. Please make reference to Whitestone's project number in your reply.

Sincerely,

WHITESTONE ASSOCIATES, INC.

LOG # 79447

Victoria Ryback

Victoria Ryback
Environmental Specialist

2012 MAR -8 PM 1:55

L:\Job Folders\2011\EJ1111829EJ\Backup and Reference Docs\FOIL\NYCDEP-Lot290.wpd

Environmental Protection

Carter H. Strickland, Jr.
Commissioner

Vincent Sapienza
Deputy Commissioner
Bureau of Wastewater Treatment
vsapienza@dep.nyc.gov

96-05 Horace Harding Expressway
Corona, NY 11368
T: (718) 595-4906
F: (718) 595-6950

Date: 3/15/12

Re: Freedom of Information Law Request (FOIL) # 79447

Dear Sir or Madam:

I am writing in response to your FOIL request (see attached). This response specifically addresses only those aspects of your request related to the discharge of wastewater or other materials to a New York City public sewer. As this letter only pertains to records in the custody of the Division of Pollution Control and Monitoring, if your request was also directed to other divisions within the Bureau of Wastewater Treatment or to other bureaus within the Department of Environmental Protection, then you will receive a separate response from those divisions or bureaus.

Concerning your request, the **Division of Pollution Control and Monitoring**:

[ ] cannot identify the requested location because _____.

[ ] after search, has not identified any records responsive to your request.

[X] has identified records responsive to your request. Please telephone me at (718) 595-4756 to arrange for an appointment to review the information.

[ ] other _____

_____

_____

Sincerely,

Vitaly Weiler
FOIL Liaison
Division of Pollution Control and Monitoring

RECEIVED
MAR 22 2012

FIRE DEPARTMENT

9 METROTECH CENTER BROOKLYN, N.Y. 11201-3857

PUBLIC RECORDS UNIT
TANKS SECTION

Ref No: T- 28614

VICTORIA RYBACK
WHITESTONE ASSOCIATES, INC
35 TECHNOLOGY DRIVE
WARREN, NJ 07059

Dear Customer / Representative,

We have completed a search for address and the requsted information listed below. In the "Status" box below, we have listed the results and any additional comments we may have regarding the search.

*Search Type Customer Requested	$20 - Fuel - Exisiting & Removed		
*Search Address	1538 STILLWELL AVE		
*Borough	02 - Bronx		
*Payment Type	02-Check	*Payment No.	1567
*Data Entered	3/16/2012	*Entered By	CC
Account Number		Requested Folder	

No. of Tanks	No. of Gallons	Tank Type	Fuel Type	Conversion

***Additional Information**

***Status** Completed - Record not found

IMPORTANT NOTICE: THIS REPORT IS NOT VALID IF ALTERED, CORRECTED OR WITHOUT FDNY CERTIFICATION STAMP AND UNIT EMPLOYEE'S SIGNATURE.

Place FDNY Certification Stamp Below

THIS IS TO CERTIFY THAT
THIS IS A TRUE COPY OF
THE ORIGINAL DOCUMENT
ON FILE WITH FDNY EMS
SIGNATURE

If you need further assistance or additional information, please call (718) 999-2441; 8 am - 4pm (Monday - Friday).

Thank you,

Public Records Representative

E- 3/16/2012 CC
C- 3/19/2012 DR

RECEIVED
MAR 22 2012

FIRE DEPARTMENT

9 METROTECH CENTER BROOKLYN, N.Y. 11201-3857

PUBLIC RECORDS UNIT
TANKS SECTION

Ref No: T- 28615

VICTORIA RYBACK
WHITESTONE ASSOCIATES, INC
35 TECHNOLOGY DRIVE
WARREN, NJ 07059

Dear Customer / Representative,

We have completed a search for address and the requsted information listed below. In the "Status" box below, we have listed the results and any additional comments we may have regarding the search.

*Search Type Customer Requested	$20 - Fuel - Exisiting & Removed		
*Search Address	1547 BASSETT AVE		
*Borough	02 - Bronx		
*Payment Type	02-Check	*Payment No.	1568
*Data Entered	3/16/2012	*Entered By	CC
Account Number		Requested Folder	

No. of Tanks	No. of Gallons	Tank Type	Fuel Type	Conversion

***Additional Information**

***Status** Completed - Record not found

IMPORTANT NOTICE: THIS REPORT IS NOT VALID IF ALTERED, CORRECTED OR WITHOUT FDNY CERTIFICATION STAMP AND UNIT EMPLOYEE'S SIGNATURE.

Place FDNY Certification Stamp Below

THIS IS TO CERTIFY THAT THIS IS A TRUE COPY OF THE ORIGINAL DOCUMENT ON FILE WITH FDNY EMS
SIGNATURE DR

If you need further assistance or additional information, please call (718) 999-2441; 8 am - 4pm (Monday - Friday).

Thank you,

Public Records Representative

E- 3/16/2012 CC
C- 3/19/2012 DR

NYC Buildings

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NYC Department of Buildings

Property Profile Overview

1538 STILLWELL AVENUE **BRONX 10461** **BIN# 2047017**

BASSETT AVENUE	1531 - 1535
STILLWELL AVENUE	1538 - 1546

Census Tract	: 296
Community Board	: 211
Buildings on Lot	: 1

Tax Block	: 4219
Tax Lot	: 16
Condo	: NO
Vacant	: NO

View DCP Addresses... Browse Block

View Zoning Documents View Challenge Results View Certificates of Occupancy

Cross Street(s):	SEMINOLE STREET		
DOB Special Place Name:			
DOB Building Remarks:			
Landmark Status:		**Special Status:**	N/A
Local Law:	NO	**Loft Law:**	NO
SRO Restricted:	NO	**TA Restricted:**	NO
UB Restricted:	NO		
Little 'E' Restricted:	N/A	**Grandfathered Sign:**	NO
Legal Adult Use:	NO	**City Owned:**	NO
Additional BINs for Building:	NONE		

Special District: UNKNOWN

This property is not located in an area that may be affected by Tidal Wetlands, Freshwater Wetlands, or Coastal Erosion Hazard Area. Click here for more information

Department of Finance Building Classification: F1-FACTORY/INDSTRIAL

Please Note: The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	Total	Open
Complaints	0	0
Violations-DOB	13	9
Violations-ECB (DOB)	1	1
Jobs/Filings	3	
ARA / LAA Jobs	0	
Total Jobs	3	
Actions	61	

OR Enter Action Type:
OR Select from List:
Select...
AND Show Actions

- Elevator Records
- Electrical Applications
- Permits In-Process / Issued
- Illuminated Signs Annual Permits
- Plumbing Inspections
- Open Plumbing Jobs / Work Types
- Facades
- Marquee Annual Permits
- Boiler Records
- DEP Boiler Information
- Crane Information
- After Hours Variance Permits

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

Form 54-C (Rev. 4/62)-80M-601036(62) 114

DEPARTMENT OF BUILDINGS

BOROUGH OF BRONX, THE CITY OF NEW YORK

Date APR 30 1963 No. 35723

CERTIFICATE OF OCCUPANCY

NO CHANGES OF USE OR OCCUPANCY NOT CONSISTENT WITH THIS CERTIFICATE SHALL BE MADE UNLESS FIRST APPROVED BY THE BOROUGH SUPERINTENDENT

This certificate supersedes C. O. No.

THIS CERTIFIES that the new ~~altered existing~~ building—premises located at 1531 Bassett Avenue Block 4129 Lot 49,52,53

That the zoning lot and premises above referred to are situated, bounded and described as follows:

BEGINNING at a point on the West side of Bassett Avenue distant 345.66 feet South from the corner formed by the intersection of Bassett Avenue and McDonald Street

running thence South 123.34 feet; thence West 98.96 feet;

thence North 123.34 feet; thence East 98.21 feet;

running thence ..... feet; thence ..... feet;

to the point or place of beginning, conforms substantially to the approved plans and specifications, and to the requirements of the Building Code, the Zoning Resolution and all other laws and ordinances, and of the rules of the Board of Standards and Appeals, applicable to a building of its class and kind at the time the permit was issued; and

CERTIFIES FURTHER that, any provisions of Section 646F of the New York Charter have been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent.

N.B. or Alt. No.— ~~XXX~~ 2405-61 Construction classification— Non-fireproof

Occupancy classification— Commercial . Height 1 stories, 15'-7" feet.—

Date of completion— 4-15-63 . Located in Unrestricted, A Area Zoning District.

at time of issuance of permit. Class 1i.

This certificate is issued subject to the limitations hereinafter specified and to the following resolutions of the Board of Standards and Appeals:
and The City Planning Commission: (Calendar numbers to be inserted here)

PERMISSIBLE USE AND OCCUPANCY

Off-Street Parking Spaces .....

Off-Street Loading Berths .....

STORY	LIVE LOADS Lbs. per Sq. Ft.	PERSONS ACCOMMODATED	USE
First	On Ground	35	Factory-Storage

Fire Department approval of Sprinkler System received.

Wall Easement filed in Liber 2480, Page 499

OFFICE COPY—DEPARTMENT OF BUILDINGS

Borough Superintendent

PERMISSIBLE USE AND OCCUPANCY (continued)

STORY	LIVE LOADS Lbs. per Sq. Ft.	PERSONS ACCOMMODATED	USE

Borough Superintendent

Form 54 7M 7-59 (9117-91) -63- 114

DEPARTMENT OF BUILDINGS

BOROUGH OF BRONX **, THE CITY OF NEW YORK**

No. 380191

Date

CERTIFICATE OF OCCUPANCY

(Standard form adopted by the Board of Standards and Appeals and issued pursuant to Section 646 of the New York Charter, and Sections C26-181.0 to C26-187.0 inclusive Administrative Code 2.1.3.1. to 2.1.3.7. Building Code.)

This certificate supersedes C. O. No. 2522/46

To the owner or owners of the building or premises:

THIS CERTIFIES that the ~~new~~ XXX—~~altered~~—~~existing~~ XXXXX—~~building~~—premises located at

1546 Stillwell Ave. E. S. 330.17' S. of McDonald St. Block 4219 Lot 16,14 & 49

, conforms substantially to the approved plans and specifications, and to the requirements of the building code and all other laws and ordinances, and of the rules and regulations of the Board of Standards and Appeals, applicable to a building of its class and kind at the time the permit was issued; and

CERTIFIES FURTHER that, any provisions of Section 646F of the New York Charter have been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent.

N.B. or Alt. No.— XXXX 7-60 Construction classification— Non-fireproof

Occupancy classification— Commercial . Height 1 stories, 17'-6" feet.

Date of completion— 7-20-60 . Located in Unrestricted Use District.

Area A Class 1½ . Height Zone at time of issuance of permit

This certificate is issued subject to the limitations hereinafter specified and to the following resolutions of the Board of Standards and Appeals: (Calendar numbers to be inserted here)

PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOADS Lbs. per Sq. Ft.	PERSONS ACCOMMODATED MALE	FEMALE	TOTAL	USE
Cellar	on ground	2		2	Storage
First	120	20	2	22	Factory & Offices

Fire Department approval of Sprinkler System received.

Borough Superintendent

CERTIFICATE WILL BE NULL AND VOID IF ALTERED IN ANY MANNER OR ADDITIONS ARE MADE THERETO.

NO CHANGES OF USE OR OCCUPANCY NOT CONSISTENT WITH THIS CERTIFICATE SHALL BE MADE UNLESS FIRST APPROVED BY THE BOROUGH SUPERINTENDENT

Unless an approval for the same has been obtained from the Borough Superintendent, no change or rearrangement in the structural parts of the building, or affecting the light and ventilation of any part thereof, or in the exit facilities, shall be made; no enlargement, whether by extending on any side or by increasing in height shall be made; nor shall the building be moved from one location or position to another; nor shall there be any reduction or diminution of the area of the lot or plot on which the building is located.

The building or any part thereof shall not be used for any purpose other than that for which it is certified.

The superimposed, uniformly distributed loads, or concentrated loads producing the same stresses in the construction in any story shall not exceed the live loads specified on reverse side; the number of persons of either sex in any story shall not exceed that specified when sex is indicated, nor shall the aggregate number of persons in any story exceed the specified total; and the use to which any story may be put shall be restricted to that fixed by this certificate except as specifically stated.

This certificate does not in any way relieve the owner or owners or any other person or persons in possession or control of the building, or any part thereof from obtaining such other permits, licenses or approvals as may be prescribed by law for the uses or purposes for which the building is designed or intended; nor from obtaining the special certificates required for the use and operation of elevators; nor from the installation of fire alarm systems where required by law; nor from complying with any lawful order for additional fire extinguishing appliances under the discretionary powers of the fire commissioner; nor from complying with any lawful order issued with the object of maintaining the building in a safe or lawful condition; nor from complying with any authorized direction to remove encroachments into a public highway or other public place, whether attached to or part of the building or not.

If this certificate is marked "Temporary", it is applicable only to those parts of the building indicated on its face, and certifies to the legal use and occupancy of only such parts of the building; it is subject to all the provisions and conditions applying to a final or permanent certificate; it is not applicable to any building under the jurisdiction of the Housing Division unless it is also approved and endorsed by them, and it must be replaced by a full certificate at the date of expiration.

If this certificate is for an existing building, erected prior to March 14, 1916, it has been duly inspected and it has been found to have been occupied or arranged to be occupied prior to March 14, 1916, as noted on the reverse side, and that on information and belief, since that date there has been no alteration or conversion to a use that changed its classification as defined in the Building Code, or that would necessitate compliance with some special requirement or with the State Labor Law or any other law or ordinance; that there are no notices of violations or orders pending in the Department of Buildings at this time; that Section 646F of the New York City Charter has been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent, and that, so long as the building is not altered, except by permission of the Borough Superintendent, the existing use and occupancy may be continued.

"§ 646 F. No certificate of occupancy shall be issued for any building, structure, enclosure, place or premises wherein containers for combustibles, chemicals, explosives, inflammables and other dangerous substances, articles, compounds or mixtures are stored, or wherein automatic or other fire alarm systems or fire extinguishing equipment are required by law to be or are installed, until the fire commissioner has tested and inspected and has certified his approval in writing of the installation of such containers, systems or equipment to the Borough Superintendent of the borough in which the installation has been made. Such approval shall be recorded on the certificate of occupancy."

Additional copies of this certificate will be furnished to persons having an interest in the building or premises, upon payment of a fee of fifty cents per copy.

114 COPY 20

DEPARTMENT OF HOUSING AND BUILDINGS

BOROUGH OF BRONX, CITY OF NEW YORK

No.

Date 1946

CERTIFICATE OF OCCUPANCY

orm adopted by the Board of Standards and Appeals and issued pursuant to Section 646 of the Charter, and Sections C26-181.0 to C26-187.0 inclusive Administrative Code 2.1.3.1 to 2.1.3.7. de.)

certificate supersedes C. O. No.

r or owners of the building or premises: Amsterdam Color Works Inc.

S CERTIFIES that the new [redacted] building—premises located at Stillwell Ave. N/S 300.5' E. of ald Street

Block 4219 Lot 16

, conforms substantially to the approved plans and specifications, and to the requirements ing code and all other laws and ordinances, and of the rules and regulations of the Board of Stand- ppeals, applicable to a building of its class and kind at the time the permit was issued; and TIFIES FURTHER that, any provisions of Section 646F of the New York Charter have been ith as certified by a report of the Fire Commissioner to the Borough Superintendent.

. No.— 100/45 Construction classification Non-fireproof

classification— Commercial . Height 1 stories, 17'6" feet.

mpletion— April 16, 1946 . Located in Unrestricted Use District.

Class Area 1 1/2 , Height Zone at time of issuance of permit.

is certificate is issued subject to the limitations hereinafter specified and to the following resolu- he Board of Standards and Appeals: (Calendar numbers to be inserted here)

PERMISSIBLE USE AND OCCUPANCY

	LIVE LOADS Lbs per Sq. Ft.	PERSONS ACCOMMODATED MALE	FEMALE	TOTAL	USE
Cellar					Storage
	120	20		20	Factory

Borough Superintendent

(Page 1)

NO CHANGES OF USE OR OCCUPANCY NOT CONSISTENT WITH THIS CERTIFICA
BE MADE UNLESS FIRST APPROVED BY THE BOROUGH SUPERINTENDE

Unless an approval for the same has been obtained from the Borough Superintendent, n rearrangement in the structural parts of the building, or affecting the light and ventilation of any or in the exit facilities, shall be made: no enlargement, whether by extending on any side or by height shall be made; nor shall the building be moved from one location or position to another; n by any reduction or diminution of the area of the lot or plot on which the building is located.

The building or any part thereof shall not be used for any purpose other than that for which

The superimposed, uniformly distributed loads, or concentrated loads producing the same st construction in any story shall not exceed the live loads specified on reverse side; the number of pers sex in any story shall not exceed that specified when sex is indicated, nor shall the aggregate numbe in any story exceed the specified total; and the use to which any story may be put shall be restricted by this certificate except as specifically state

This certificate does not in any way relieve the owner or owners or any other person or persons i or control of the building, or any part thereof from obtaining such other permits, licenses or appro be prescribed by law for the uses or purposes for which the building is designed or intended, nor fr the special certificates required for the use and operation of elevators; nor from the installation o systems where required by law; nor from complying with any lawful order for additional fire e appliances under the discretionary powers of the fire commissioner; nor from complying with any issued with the object of maintaining the building in a safe or lawful condition; nor from complyi authorized direction to remove encroachments into a public highway or other public place, whether or part of the building or not.

If this certificate is marked "Temporary", it is applicable only to those parts of the buildi on its face, and certifies to the legal use and occupancy of only such parts of the building; it is subje provisions and conditions applying to a final or permanent certificate; it is not applicable to any buildi jurisdiction of the Housing Division unless it is also approved and endorsed by them, and it must by a full certificate at the date of expiration.

If this certificate is for an existing building, erected prior to March 14, 1916, it has been di and it has been found to have been occupied or arranged to be occupied prior to March 14, 1916, the reverse side, and that on information and belief, since that date there has been no alteration or to a use that changed its classification as defined in the Building Code, or that would necessitate co some special requirement or with the State Labor Law or any other law or ordinance; that there are of violations or orders pending in the Department of Housing and Buildings at this time; that S of the New York City Charter has been complied with as certified by a report of the Fire Commissi Borough Superintendent, and that, so long as the building is not altered, except by permission of th Superintendent, the existing use and occupancy may be continued.

"§ 646 F. No certificate of occupancy shall be issued for any building, structure, enclosure premises wherein containers for combustibles, chemicals, explosives, inflammables and other dangerous articles, compounds or mixtures are stored, or wherein automatic or other fire alarm systems or fire ext equipment are required by law to be or are installed, until the fire commissioner has tested and inspect certified his approval in writing of the installation of such containers, systems or equipment to th Superintendent of the borough in which the installation has been made. Such approval shall be re the certificate of occupancy."

Additional copies of this certificate will be furnished to persons having an interest in the building or premises, upon payment of a fee of fifty cents per copy

Form 55-3031-1M41 114

DEPARTMENT OF HOUSING AND BUILDINGS

BOROUGH OF BRONX, CITY OF NEW YORK

Alt. No. 1113

Date April 21, 1941

CERTIFICATE OF OCCUPANCY

(Standard form adopted by the Board of Standards and Appeals and issued pursuant to Section 646 of the New York Charter, and Sections C26-181.0 to C26-187.0 inclusive Administrative Code 2.1.3.1. to 2.1.3.7. Building Code.)

This certificate supersedes C. O. No. Existing 00/00

To the owner or owners of the building or premises: S. Weisman, Inc.

THIS CERTIFIES that the new—altered—building—building—premises located at

1000 Bassett Avenue—N/E 346.94' S. of Underhill Street Block 4939 Lot 40

, conforms substantially to the approved plans and specifications, and to the requirements of the building code and all other laws and ordinances, and of the rules and regulations of the Board of Standards and Appeals, applicable to a building of its class and kind at the time the permit was issued; and

CERTIFIES FURTHER that, any provisions of Section 646F of the New York Charter have been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent.

New or Alt. No. 437/40 & 1-00-40 & 013-40 Construction classification— Non-fireproof

Occupancy classification— Paint Factory . Height 1 stories, 22'6" feet.

Date of completion— March 28, 1941 . Located in Unrestricted Use District.

Area A . Height Zone at time of issuance of permit 1½

This certificate is issued subject to the limitations hereinafter specified and to the following resolutions of the Board of Standards and Appeals: (Calendar numbers to be inserted here)

PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOADS Lbs. per Sq. Ft.	PERSONS ACCOMMODATED MALE	FEMALE	TOTAL	USE
First	concrete on earth	4	1	5	Paint factory and boiler room
First	"				Cooling shed
First	"				Unloading shed
	Number of Buildings (1).				
	NOTE: Fire Department approval for a 500 gallon varnoline storage tank received April 18, 1941.				

Zone OK 4/24/41

Joseph Steinman

Borough Superintendent

(Page 1)

NO CHANGES OF USE OR OCCUPANCY NOT CONSISTENT WITH THIS CERTIFICATE SHALL BE MADE UNLESS FIRST APPROVED BY THE BOROUGH SUPERINTENDENT

Unless an approval for the same has been obtained from the Borough Superintendent, no change or rearrangement in the structural parts of the building, or affecting the light and ventilation of any part thereof, or in the exit facilities, shall be made; no enlargement, whether by extending on any side or by increasing in height shall be made; nor shall the building be moved from one location or position to another; nor shall there by any reduction or diminution of the area of the lot or plot on which the building is located.

The building or any part thereof shall not be used for any purpose other than that for which it is certified.

The superimposed, uniformly distributed loads, or concentrated loads producing the same stresses in the construction in any story shall not exceed the live loads specified on reverse side; the number of persons of either sex in any story shall not exceed that specified when sex is indicated, nor shall the aggregate number of persons in any story exceed the specified total; and the use to which any story may be put shall be restricted to that fixed by this certificate except as specifically stated.

This certificate does not in any way relieve the owner or owners or any other person or persons in possession or control of the building, or any part thereof from obtaining such other permits, licenses or approvals as may be prescribed by law for the uses or purposes for which the building is designed or intended, nor from obtaining the special certificates required for the use and operation of elevators; nor from the installation of fire alarm systems where required by law; nor from complying with any lawful order for additional fire extinguishing appliances under the discretionary powers of the fire commissioner; nor from complying with any lawful order issued with the object of maintaining the building in a safe or lawful condition; nor from complying with any authorized direction to remove encroachments into a public highway or other public place, whether part of the building or not.

If this certificate is marked "Temporary", it is applicable only to those parts of the building indicated on its face, and certifies to the legal use and occupancy of only such parts of the building; it is subject to all the provisions and conditions applying to a final or permanent certificate; it is not applicable to any building under the jurisdiction of the Housing Division unless it is also approved and endorsed by them, and it must be replaced by a full certificate at the date of expiration.

If this certificate is for an existing building, erected prior to March 14, 1916, it has been duly inspected and it has been found to have been occupied or arranged to be occupied prior to March 14, 1916, as noted on the reverse side, and that on information and belief, since that date there has been no alteration or conversion to a use that changed its classification as defined in the Building Code, or that would necessitate compliance with some special requirement or with the State Labor Law or any other law or ordinance; that there are no notices of violations or orders pending in the Department of Housing and Buildings at this time; that Section 646F of the New York City Charter has been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent, and that, so long as the building is not altered, except by permission of the Borough Superintendent, the existing use and occupancy may be continued.

"§ 646 F. No certificate of occupancy shall be issued for any building, structure, enclosure, place or premises wherein containers for combustibles, chemicals, explosives, inflammables and other dangerous substances, articles, compounds or mixtures are stored, or wherein automatic or other fire alarm systems or fire extinguishing equipment are required by law to be or are installed, until the fire commissioner has tested and inspected and has certified his approval in writing of the installation of such containers, systems or equipment to the Borough Superintendent of the borough in which the installation has been made. Such approval shall be recorded on the certificate of occupancy."

Additional copies of this certificate will be furnished to persons [illegible] premises, upon payment of a fee of fifty cents [illegible]

CERTIFICATE OF OCCUPANCY

No. 1121 Issued OCT 31 1930 19

To J. W. Blackman Owner of

Premises 2741 & 2745 - 3rd Ave

COPIES

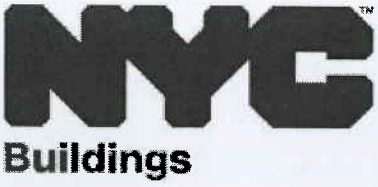
DATE	NAME	ADDRESS
OCT 31 1930	Delivered to owner	Premises

STORIES	CLASSIFICATION	CONSTRUCTION
Basement, 1	Store & Golf Course in Basement	Brick

FLOORS	OCCUPANCY
Sub-Cellar	
Cellar	
Basement	Golf Course 150 lbs per Sq ft Number of Persons 40
First Floor	Store " " " " "

SUPERSEDED
BY C. O. 42466-67

Existing Building.



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NYC Department of Buildings

DOB Violations

Page: 1

Premises: 1538 STILLWELL AVENUE BRONX BIN: 2047017 Block: 4219 Lot: 16

NUMBER	TYPE	FILE DATE
V* 3877-83	DOB VIOLATION - CLOSED	12/03/2001
CLOSURE DATE: 09/28/2011		
V* 060994LL629102828	DOB VIOLATION - DISMISSED	06/09/1994
V 021097LL629115253	DOB VIOLATION - ACTIVE	02/10/1997
V 091697LL6291207259	DOB VIOLATION - ACTIVE	09/16/1997
V* 050498LL629112761	DOB VIOLATION - DISMISSED	05/04/1998
V 031699LL629111701	DOB VIOLATION - ACTIVE	03/16/1999
V 020700LL629111927	DOB VIOLATION - ACTIVE	02/07/2000
V 022701LL629111330	DOB VIOLATION - ACTIVE	02/27/2001
V 032602LL629112343	DOB VIOLATION - ACTIVE	03/26/2002
V 032602LL629112344	DOB VIOLATION - ACTIVE	03/26/2002

Next

Select Violation Type: Show All Violations Refresh

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

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NYC Department of Buildings

DOB Violation Display for 021097LL629115253

Premises: 1538 STILLWELL AVENUE BRONX **BIN: 2047017 Block: 4219 Lot: 16**

Issue Date:	02/10/1997	**Violation Category:**	V - DOB VIOLATION - ACTIVE
Violation Type:	LL6291 - LOCAL LAW 62/91 - BOILERS		
Violation Number:	15253	**Device No.:**	00082378 - 01-COMMERCIAL
ECB No.:			
Infraction Codes:			
Description:			
Disposition:			
Code:	**Date:**		
Inspector:			
Comments:			

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NYC Department of Buildings

DOB Violation Display for 091697LL6291207259

Premises: 1538 STILLWELL AVENUE BRONX **BIN: 2047017 Block: 4219 Lot: 16**

Issue Date:	09/16/1997	**Violation Category:**	V - DOB VIOLATION - ACTIVE
Violation Type:	LL6291 - LOCAL LAW 62/91 - BOILERS		
Violation Number:	207259	**Device No.:**	00082376 - 01-COMMERCIAL
ECB No.:			
Infraction Codes:			
Description:			
Disposition:			
Code:	**Date:**		
Inspector:			
Comments:			

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DOB Violation Display for 031699LL629111701

Premises: 1538 STILLWELL AVENUE BRONX **BIN: 2047017 Block: 4219 Lot: 16**

Issue Date:	03/16/1999	**Violation Category:**	V - DOB VIOLATION - ACTIVE
Violation Type:	LL6291 - LOCAL LAW 62/91 - BOILERS		
Violation Number:	11701	**Device No.:**	00082378 - 01-COMMERCIAL
ECB No.:			
Infraction Codes:			
Description:			
Disposition:			
Code:	**Date:**		
Inspector:			
Comments:			

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DOB Violation Display for 020700LL629111927

Premises: 1538 STILLWELL AVENUE BRONX **BIN: 2047017 Block: 4219 Lot: 16**

Issue Date:	02/07/2000	**Violation Category:**	V - DOB VIOLATION - ACTIVE
Violation Type:	LL6291 - LOCAL LAW 62/91 - BOILERS		
Violation Number:	11927	**Device No.:**	00082378 - 01-COMMERCIAL
ECB No.:			
Infraction Codes:			
Description:			
Disposition:			
Code:	**Date:**		
Inspector:			
Comments:			

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DOB Violation Display for 022701LL629111330

Premises: 1538 STILLWELL AVENUE BRONX **BIN: 2047017** **Block: 4219** **Lot: 16**

Issue Date:	02/27/2001	**Violation Category:**	V - DOB VIOLATION - ACTIVE
Violation Type:	LL6291 - LOCAL LAW 62/91 - BOILERS		
Violation Number:	11330	**Device No.:**	00082378 - 01-COMMERCIAL
ECB No.:			
Infraction Codes:			
Description:			
Disposition:			
Code:	**Date:**		
Inspector:			
Comments:			

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DOB Violation Display for 032602LL629112343

Premises: 1538 STILLWELL AVENUE BRONX **BIN: 2047017 Block: 4219 Lot: 16**

Issue Date:	03/26/2002	**Violation Category:**	V - DOB VIOLATION - ACTIVE
Violation Type:	LL6291 - LOCAL LAW 62/91 - BOILERS		
Violation Number:	12343	**Device No.:**	00082376 - 01-COMMERCIAL
ECB No.:			
Infraction Codes:			
Description:			
Disposition:			
Code:	**Date:**		
Inspector:			
Comments:			

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DOB Violation Display for 032602LL629112344

Premises: 1538 STILLWELL AVENUE BRONX **BIN: 2047017 Block: 4219 Lot: 16**

Issue Date: 03/26/2002 **Violation Category:** V - DOB VIOLATION - ACTIVE
Violation Type: LL6291 - LOCAL LAW 62/91 - BOILERS
Violation Number: 12344 **Device No.:** 00082378 - 01-COMMERCIAL
ECB No.:
Infraction Codes:
Description:

Disposition:
Code: **Date:**
Inspector:
Comments:

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ECB Query By Location

Premises: 1538 STILLWELL AVENUE BRONX

BIN: 2047017 Block: 4219 Lot: 16 CB: 211

Dept. of Buildings Violations & Compliance	
Total Issued = 1	Open (Non-Compliance) = 1

ECB Hearings	
Completed / Defaulted = 1	Pending = 0

ECB Number	Dept. of Buildings Violation Status	Respondent	ECB Hearing Status	Viol Date	Infraction Codes	ECB Penalty Due
32009861L	OPEN - NO COMPLIANCE RECORDED **Severity:** NON-HAZARDOUS	AMSTERDAM COLORING	STIPULATION/IN-VIO	04/12/1993 **Viol Type:** BOILER	B4E	$0.00

Compliance Status (Open/Resolved) relates to whether a violation has been corrected/uncorrected. Dismissed violations do not require filing a Certificate of Correction.

ECB Hearing Status and the **ECB Penalty Due** are separate from **Compliance Status** (i.e. a penalty is still due in many cases even when the violating condition has been fixed).

Severity Class	
Class 1 - Immediately Hazardous	HAZ - Hazardous - 1968 Building Code
Class 2 - Major	NON-HAZ - Non-hazardous - 1968 Building Code
Class 3 - Lesser	

Violation Status Descriptions	ECB Hearing Status
OPEN - No Compliance Recorded	CURED/IN-VIO - In Violation/no hearing required
OPEN - Certificate Pending (Certificate of Correction submitted and under review)	STIPULATION/IN-VIO - No hearing required/in violation
OPEN - Certificate Disapproved (Certificate of Correction disapproved/not in compliance)	IN VIOLATION - Hearing decision completed
RESOLVED - N/A-Dismissed (at ECB - no Certificate of Correction required)	DISMISSED - Hearing decision completed
RESOLVED - Certificate Accepted (Certification of Correction Accepted/in compliance)	DEFAULT - Respondent failed to appear at hearing
RESOLVED - Cure Accepted (early correction accepted - in violation/no penalty or hearing)	PUBLICLY-OWNED - No hearing required
RESOLVED - Compliance Insp/Doc (condition verified by Inspector or by Dept. documentation)	PENDING - Awaiting ECB hearing or decision
	ADMIT/IN-VIO - In Violation/no hearing required
	WRITTEN OFF - Imposed penalty legally uncollectable

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ECB Violation Details

Premises: 1538 STILLWELL AVENUE BRONX **Filed At: 1546 STILLWELL AVENUE , BRONX , NY 10461**

BIN: 2047017 Block: 4219 Lot: 16 **Community Board: 211**

ECB Violation Summary

VIOLATION OPEN

ECB Violation Number: 32009861L

Severity: NON-HAZARDOUS

Certification Status: NO COMPLIANCE RECORDED
Hearing Status: STIPULATION/IN-VIO
Penalty Balance Due: $0.00

Respondent Information

Name: AMSTERDAM COLORING
Mailing Address: , ,

Violation Details

Violation Date: 04/12/1993 **Violation Type:** BOILER
Served Date: 05/10/1993 **Inspection Unit:**
Device Type: BOILER
Device Number: 82376

Infraction Codes	Section of Law	Standard Description
B4E	27-127	FAILURE TO MAINTAIN BOILER (C)

Specific Violation Condition(s) and Remedy:
36

Issuing Inspector ID: 1393 **DOB Violation Number:** 041293B82376
Issued as Aggravated Level: NO

Dept. of Buildings Compliance Information

Certification Status: NO COMPLIANCE RECORDED
Compliance On:

Stipulated Compliance Due Date: 08/13/1993

A Certificate of Correction must be submitted to the Administrative Enforcement Unit (AEU) for all violations. A violation that is not dismissed by ECB will continue to remain ACTIVE or "open" on DOB records until acceptable proof is submitted to the AEU, even if you have paid the penalty imposed by ECB.

ECB Hearing Information

Scheduled Hearing Date: 06/25/1993 **Hearing Status:** STIPULATION/IN-VIO
Hearing Time: 8:30

ECB Penalty Information

Penalty Imposed: $100.00

Adjustments:	$0.00
Amount Paid:	$100.00
Penalty Balance Due:	$0.00

ECB Violation History

Compliance Events

Hearing Events

Stipulation (at hearing): 06/25/1993

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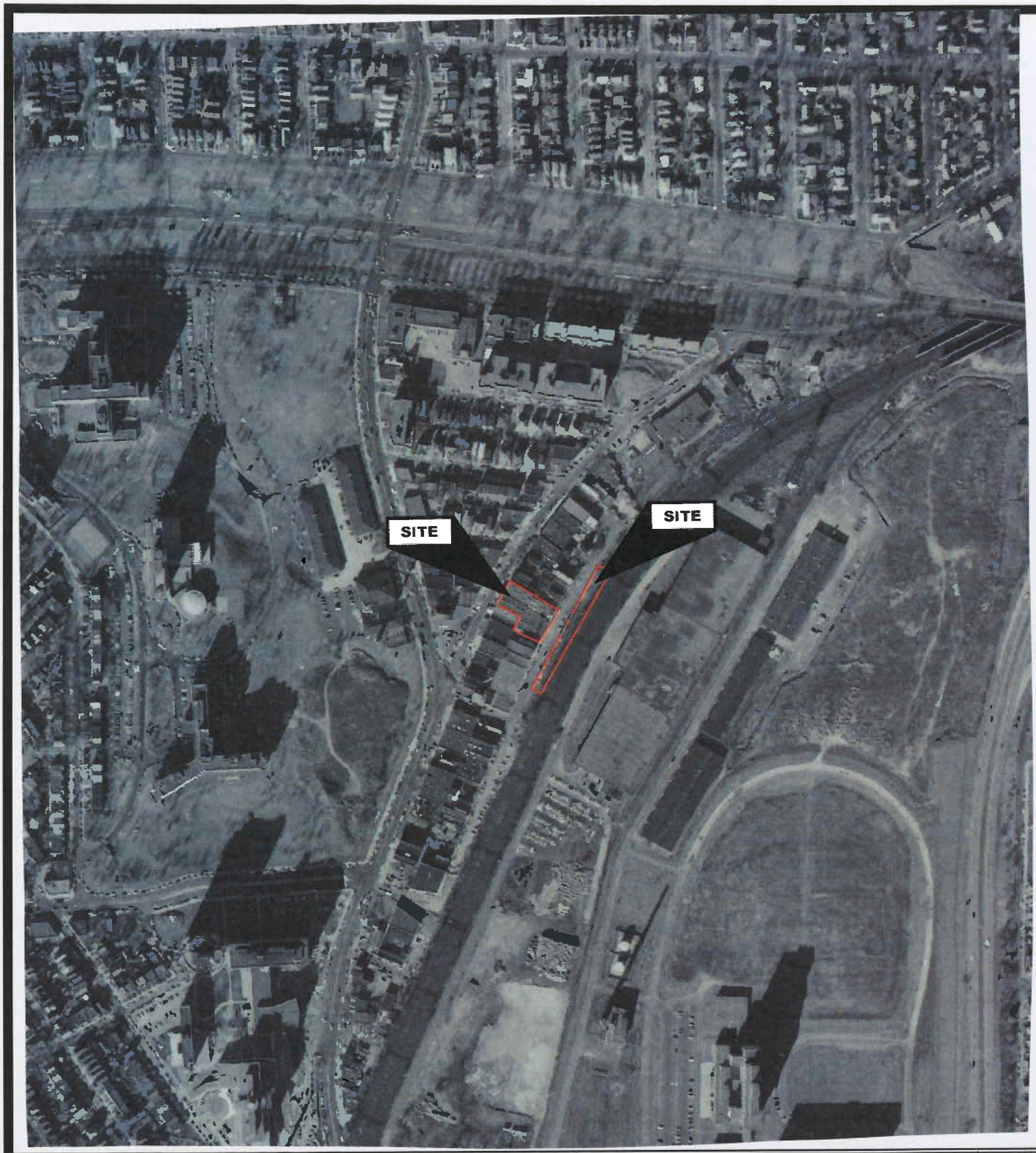
APPENDIX 4
Aerial Photographs

TITLE:	**1924 Aerial Photograph**						
CLIENT:	STILLWELL STORAGE LLC c/o THE HAMPSHIRE COMPANIES						
PROJECT:	PHASE I ESA/ACM Proposed Self-Storage Facility Stillwell Avenue and Bassett Avenue Bronx, Bronx County, New York	PROJECT #: EJ1111829.001	BY: EDR	PRO. MGR. CS	DATE: 1924	SCALE: 1"=500'	FIGURE: AP-1

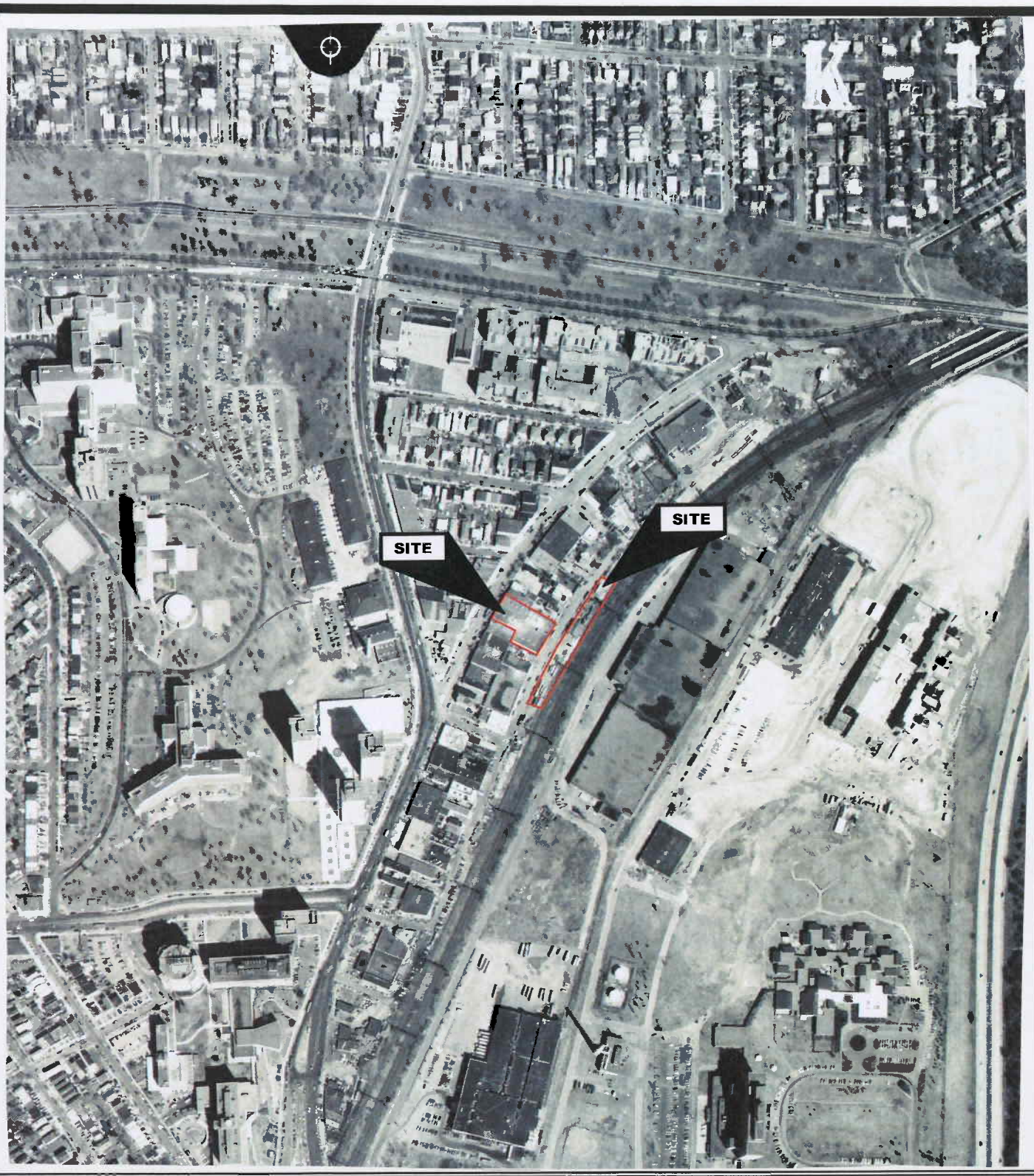
WHITESTONE ASSOCIATES, INC.
35 TECHNOLOGY DRIVE
WARREN, NEW JERSEY 07059
908.668.7777 ✦ 908.754.5936 FAX

TITLE:	**1954 Aerial Photograph**			**WHITESTONE ASSOCIATES, INC.** 35 TECHNOLOGY DRIVE WARREN, NEW JERSEY 07059 908.668.7777 ✦ 908.754.5936 FAX			
CLIENT:	STILLWELL STORAGE LLC c/o THE HAMPSHIRE COMPANIES						
PROJECT:	PHASE I ESA/ACM Proposed Self-Storage Facility Stillwell Avenue and Bassett Avenue Bronx, Bronx County, New York	PROJECT #: EJ1111829.001	BY: EDR	PRO. MGR. CS	DATE: 1954	SCALE: 1"=500'	FIGURE: AP-2



TITLE:	**1966 Aerial Photograph**						
CLIENT:	STILLWELL STORAGE LLC c/o THE HAMPSHIRE COMPANIES						
PROJECT:	PHASE I ESA/ACM Proposed Self-Storage Facility Stillwell Avenue and Bassett Avenue Bronx, Bronx County, New York	PROJECT #: EJ1111829.001	BY: EDR	PRO. MGR. CS	DATE: 1966	SCALE: 1"=500'	FIGURE: AP-3

WHITESTONE ASSOCIATES, INC.
35 TECHNOLOGY DRIVE
WARREN, NEW JERSEY 07059
908.668.7777 ✦ 908.754.5936 FAX

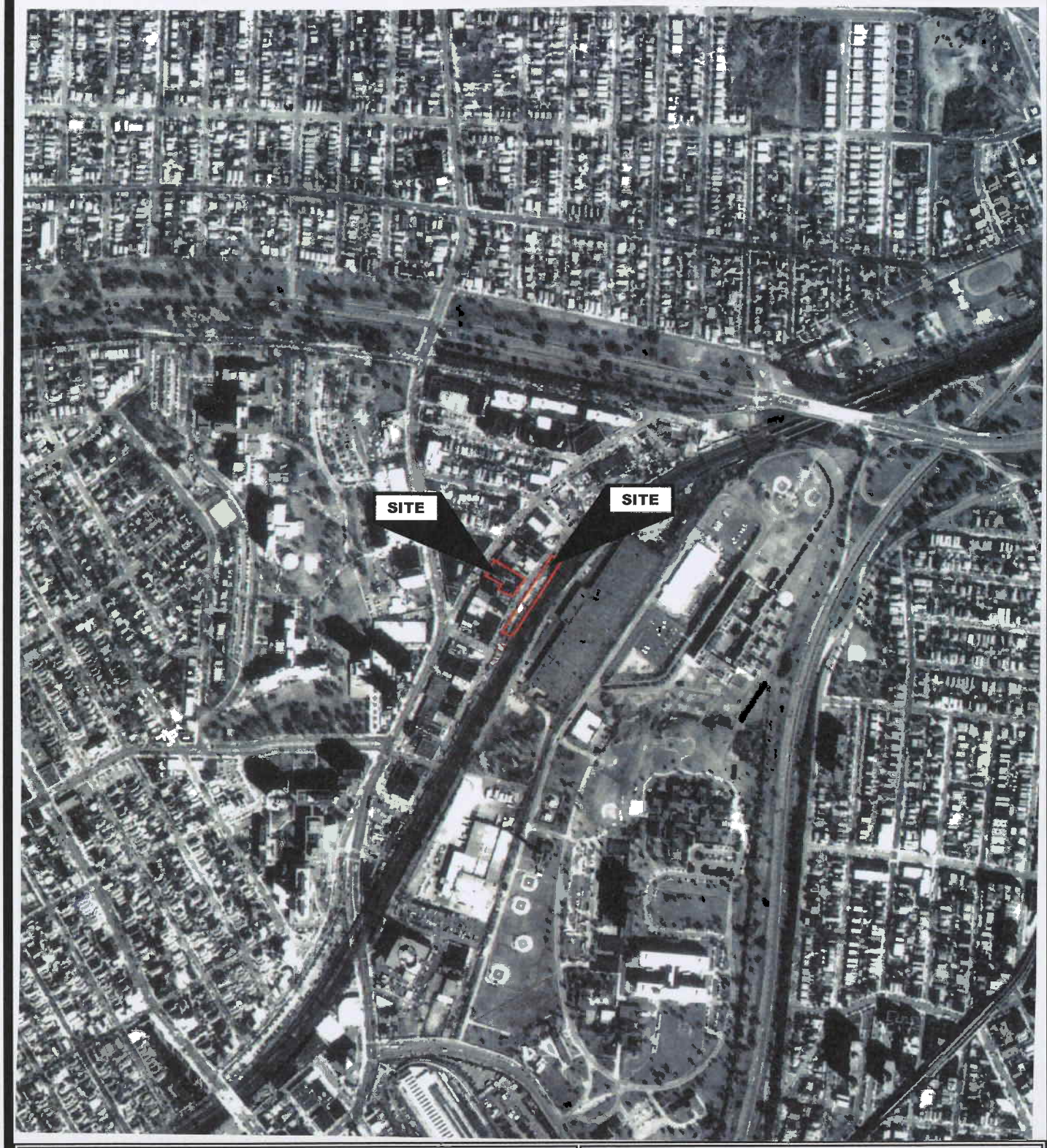


TITLE:	**1975 Aerial Photograph**						
CLIENT:	STILLWELL STORAGE LLC c/o THE HAMPSHIRE COMPANIES						
PROJECT:	PHASE I ESA/ACM Proposed Self-Storage Facility Stillwell Avenue and Bassett Avenue Bronx, Bronx County, New York	PROJECT #: EJ1111829.001	BY: EDR	PRO. MGR. CS	DATE: 1975	SCALE: 1"=500'	FIGURE: AP-4

WHITESTONE ASSOCIATES, INC.
35 TECHNOLOGY DRIVE
WARREN, NEW JERSEY 07059
908.668.7777 ✦ 908.754.5936 FAX

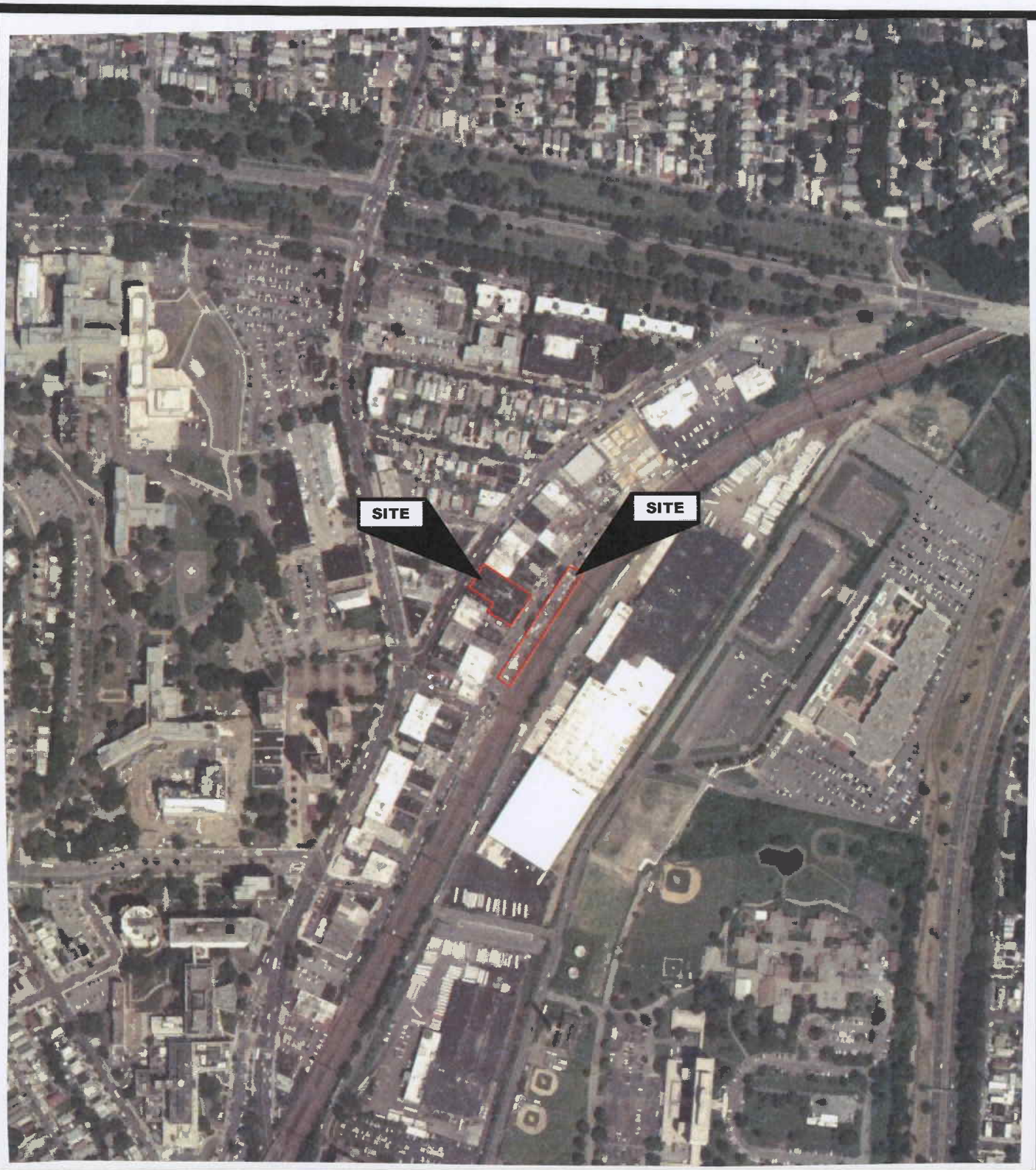
TITLE:	**1984 Aerial Photograph**						
CLIENT:	STILLWELL STORAGE LLC c/o THE HAMPSHIRE COMPANIES						
PROJECT:	PHASE I ESA/ACM Proposed Self-Storage Facility Stillwell Avenue and Bassett Avenue Bronx, Bronx County, New York	PROJECT #: EJ1111829.001	BY: EDR	PRO. MGR. CS	DATE: 1984	SCALE: 1"=750'	FIGURE: AP-5

WHITESTONE ASSOCIATES, INC.
35 TECHNOLOGY DRIVE
WARREN, NEW JERSEY 07059
908.668.7777 ✦ 908.754.5936 FAX



TITLE:	**1994 Aerial Photograph**						
CLIENT:	STILLWELL STORAGE LLC c/o THE HAMPSHIRE COMPANIES						
PROJECT:	PHASE I ESA/ACM Proposed Self-Storage Facility Stillwell Avenue and Bassett Avenue Bronx, Bronx County, New York	PROJECT #: EJ1111829.001	BY: EDR	PRO. MGR. CS	DATE: 1994	SCALE: 1"=750'	FIGURE: AP-6

WHITESTONE ASSOCIATES, INC.
35 TECHNOLOGY DRIVE
WARREN, NEW JERSEY 07059
908.668.7777 ✦ 908.754.5936 FAX

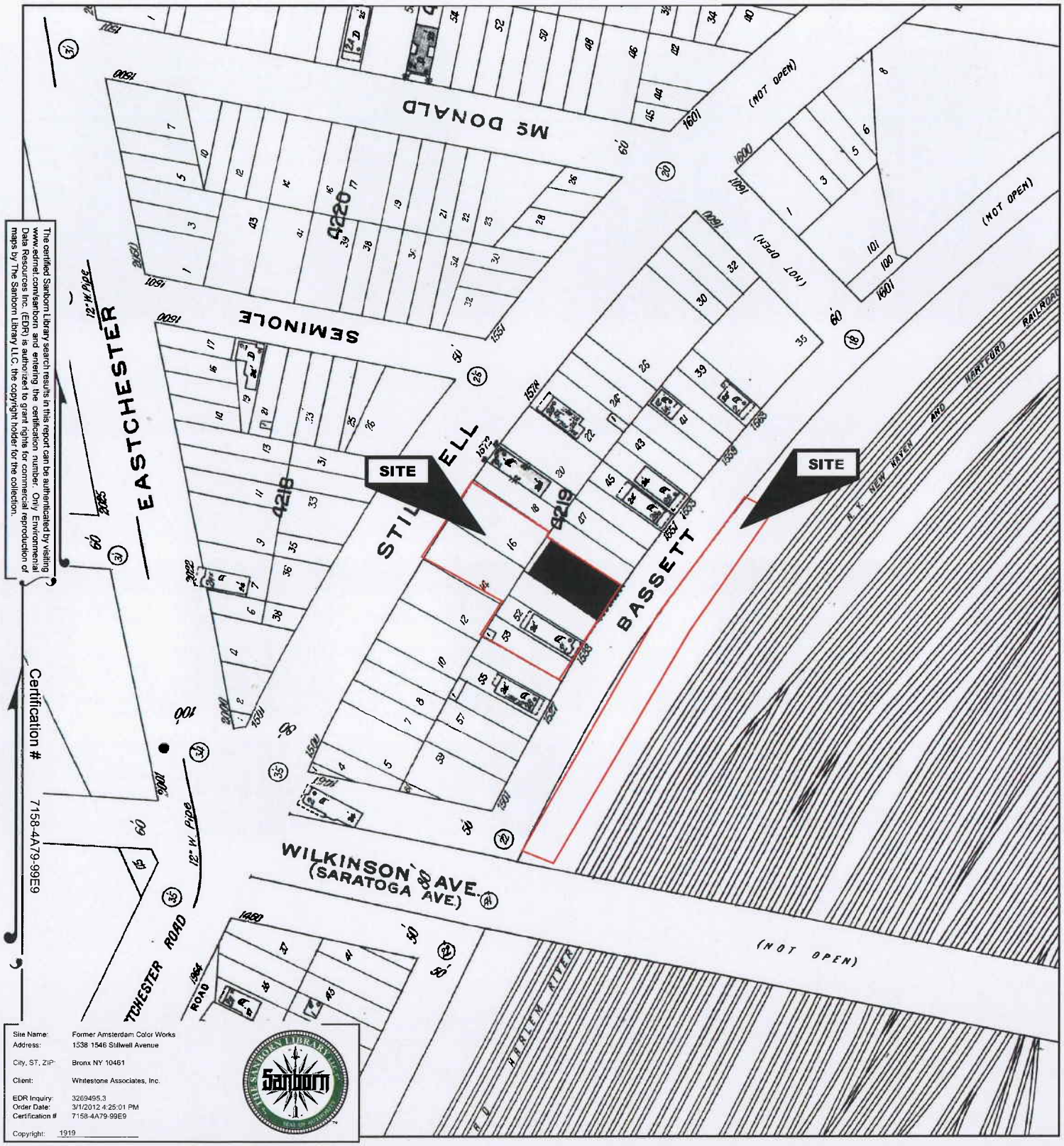


TITLE:	**2006 Aerial Photograph**						
CLIENT:	STILLWELL STORAGE LLC c/o THE HAMPSHIRE COMPANIES						
PROJECT:	PHASE I ESA/ACM Proposed Self-Storage Facility Stillwell Avenue and Bassett Avenue Bronx, Bronx County, New York	PROJECT #: EJ1111829.001	BY: EDR	PRO. MGR. CS	DATE: 2006	SCALE: 1"=500'	FIGURE: AP-7

WHITESTONE ASSOCIATES, INC.
35 TECHNOLOGY DRIVE
WARREN, NEW JERSEY 07059
908.668.7777 ✦ 908.754.5936 FAX

APPENDIX 5
Fire Insurance Map Documentation

1919 Certified Sanborn Map



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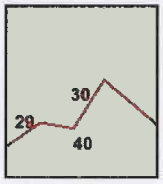
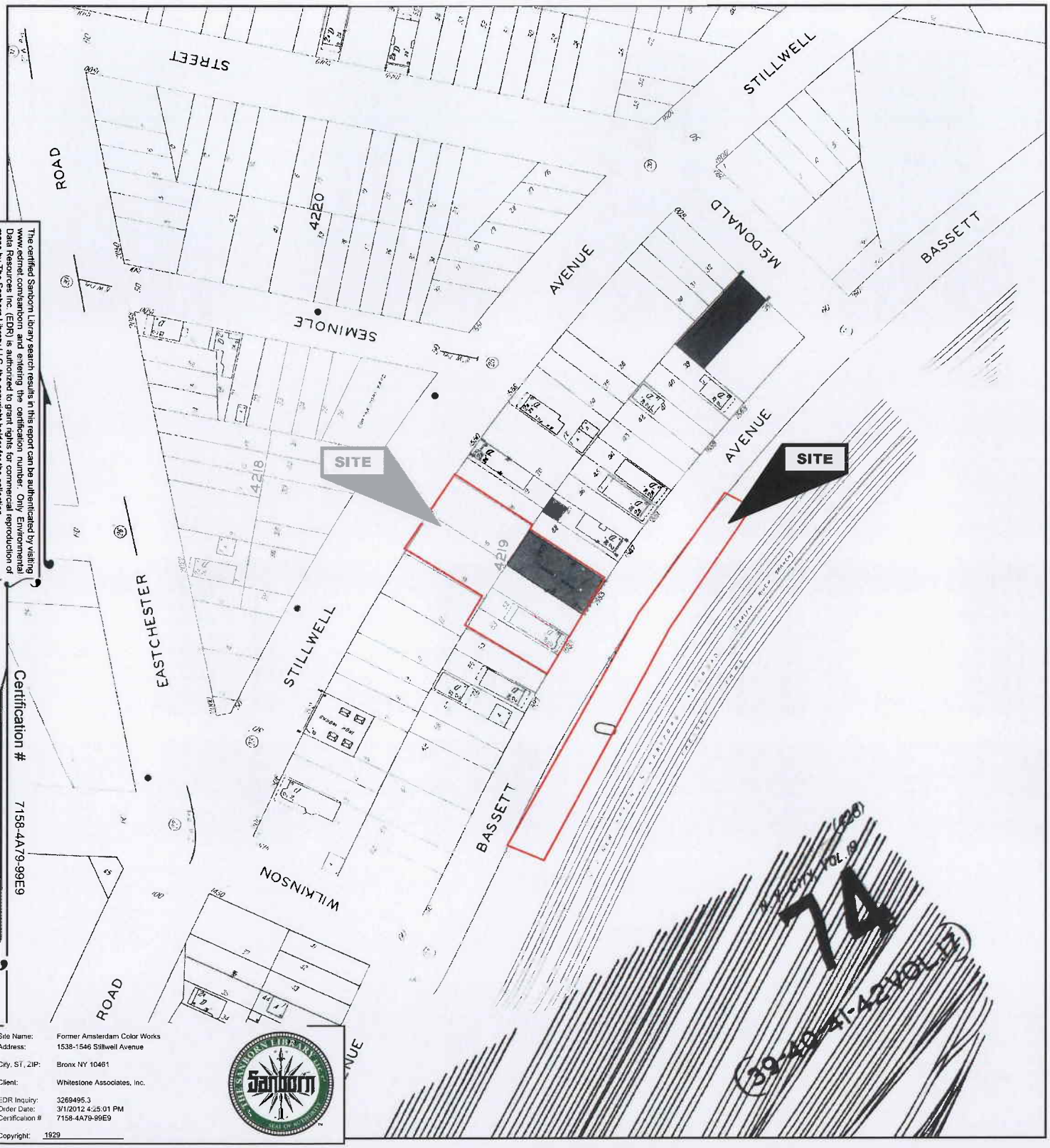


Volume 17, Sheet 29
Volume 17, Sheet 30
Volume 17, Sheet 40

N

1929 Certified Sanborn Map



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Client:	Whitestone Associates, Inc.
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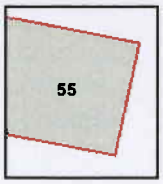

Volume 20, Sheet 55

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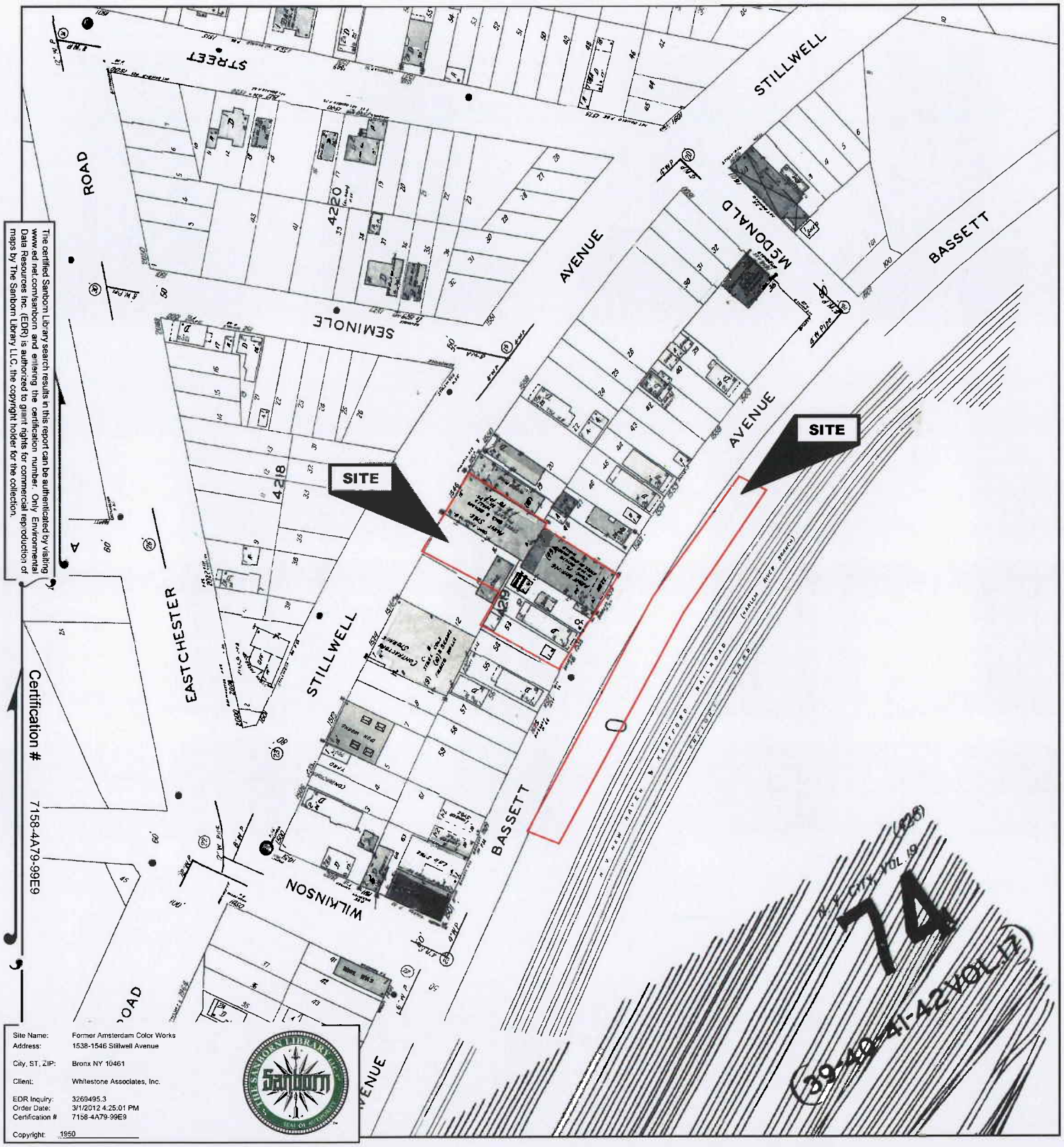
1950 Certified Sanborn Map



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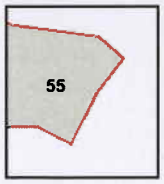

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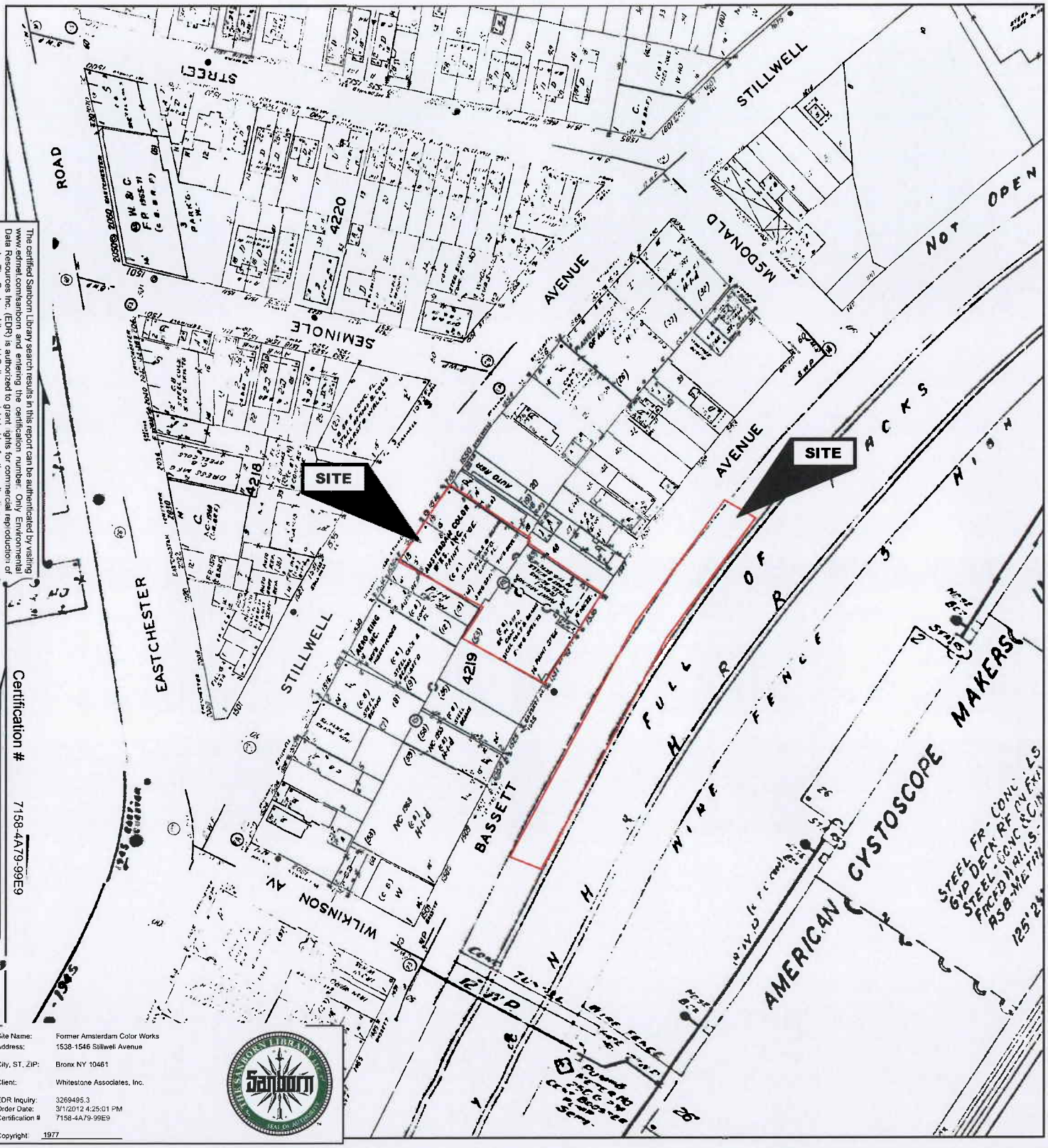
1977 Certified Sanborn Map



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Certification #	7158-4A79-99E9
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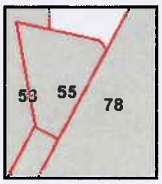

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Volume 20, Sheet 53

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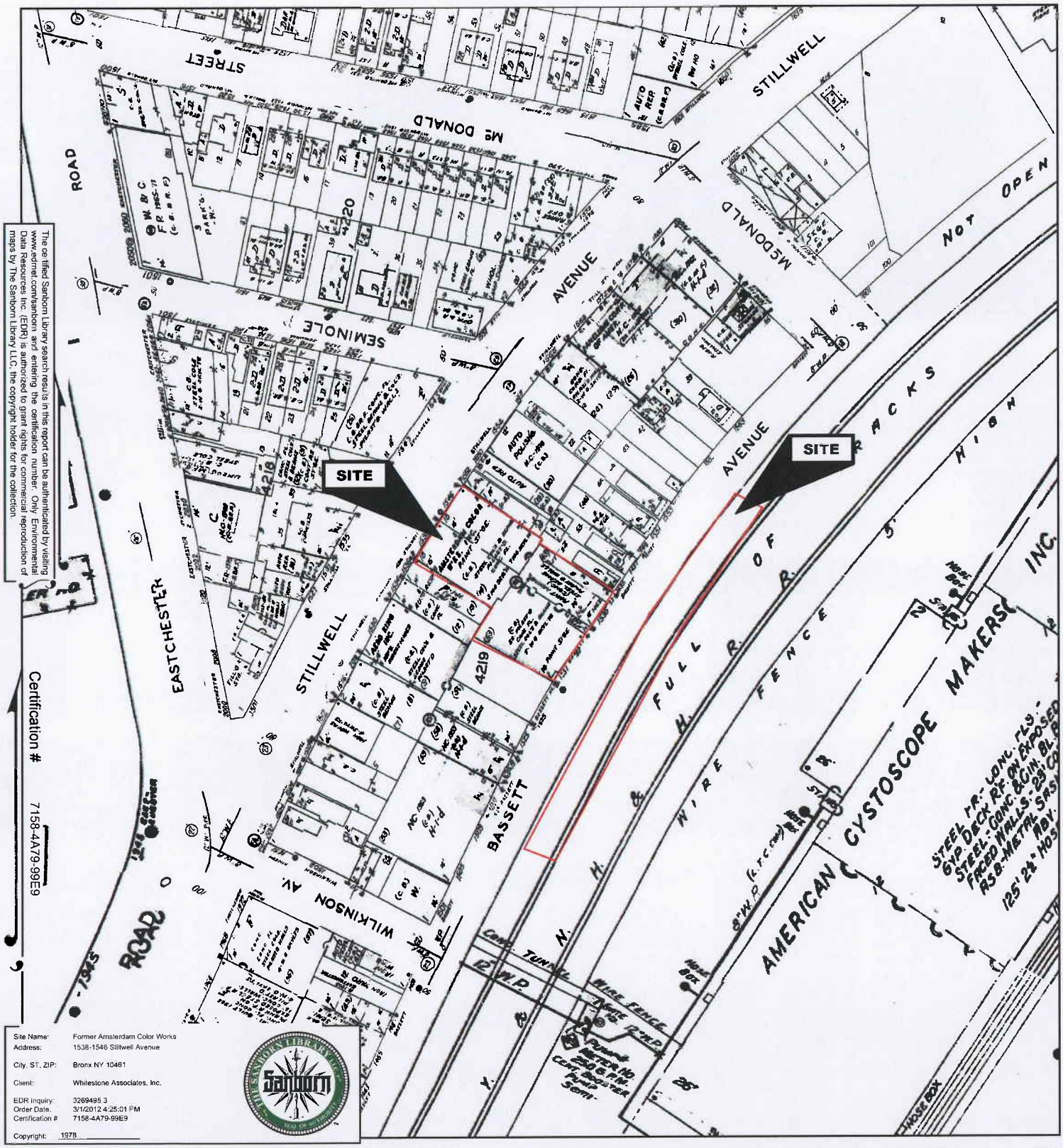
1978 Certified Sanborn Map



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Address:	1538-1546 Stillwell Avenue
City, ST, ZIP:	Bronx NY 10461
Client:	Whitestone Associates, Inc.
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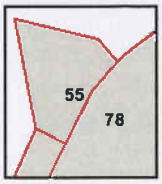

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Volume 20, Sheet 78

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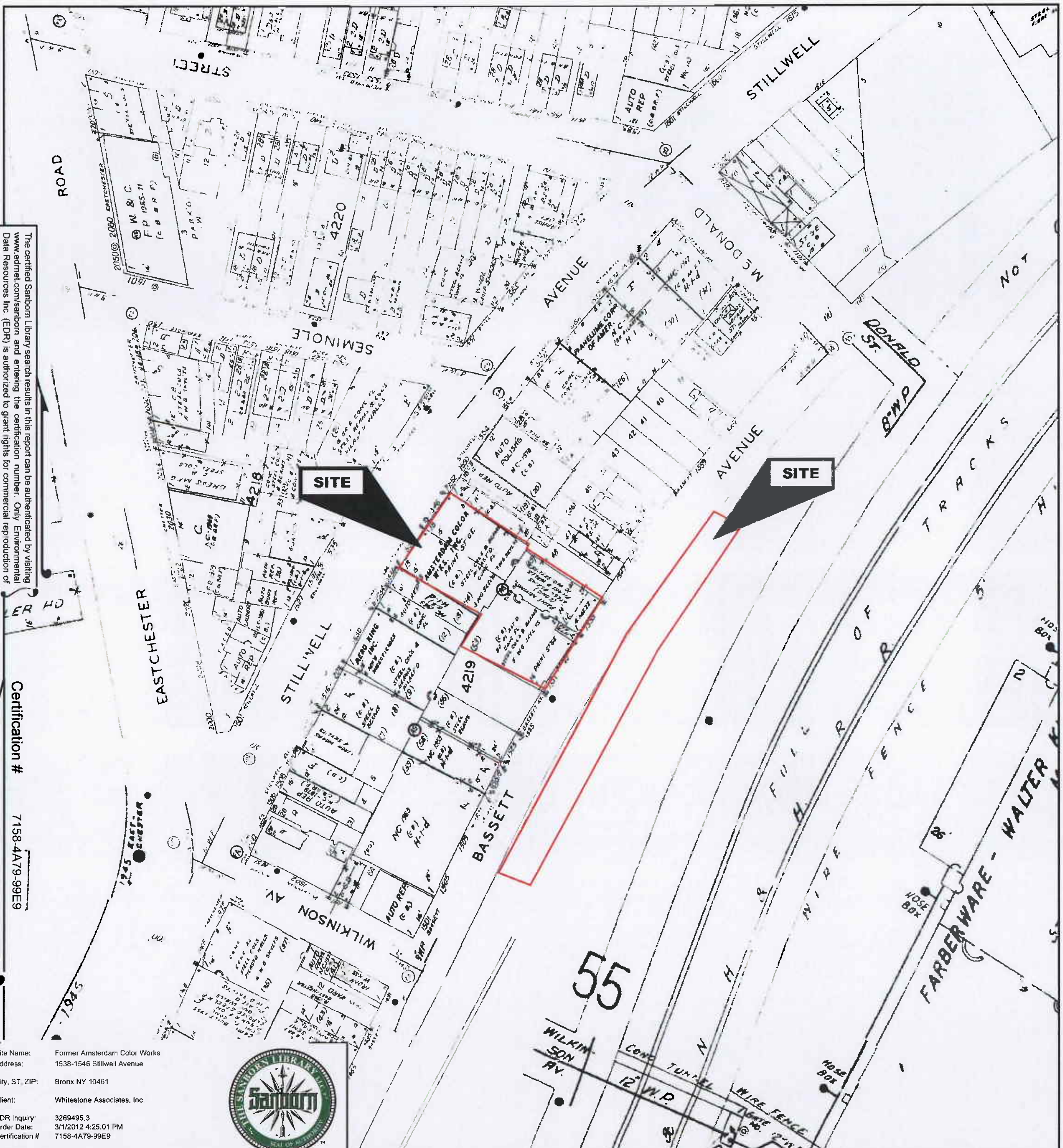
1981 Certified Sanborn Map



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Address:	1538-1546 Stillwell Avenue
City, ST, ZIP:	Bronx NY 10461
Client:	Whitestone Associates, Inc.
EDR Inquiry:	3269495.3
Order Date:	3/1/2012 4:25:01 PM
Certification #	7158-4A79-99E9
Copyright:	1981

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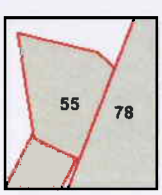

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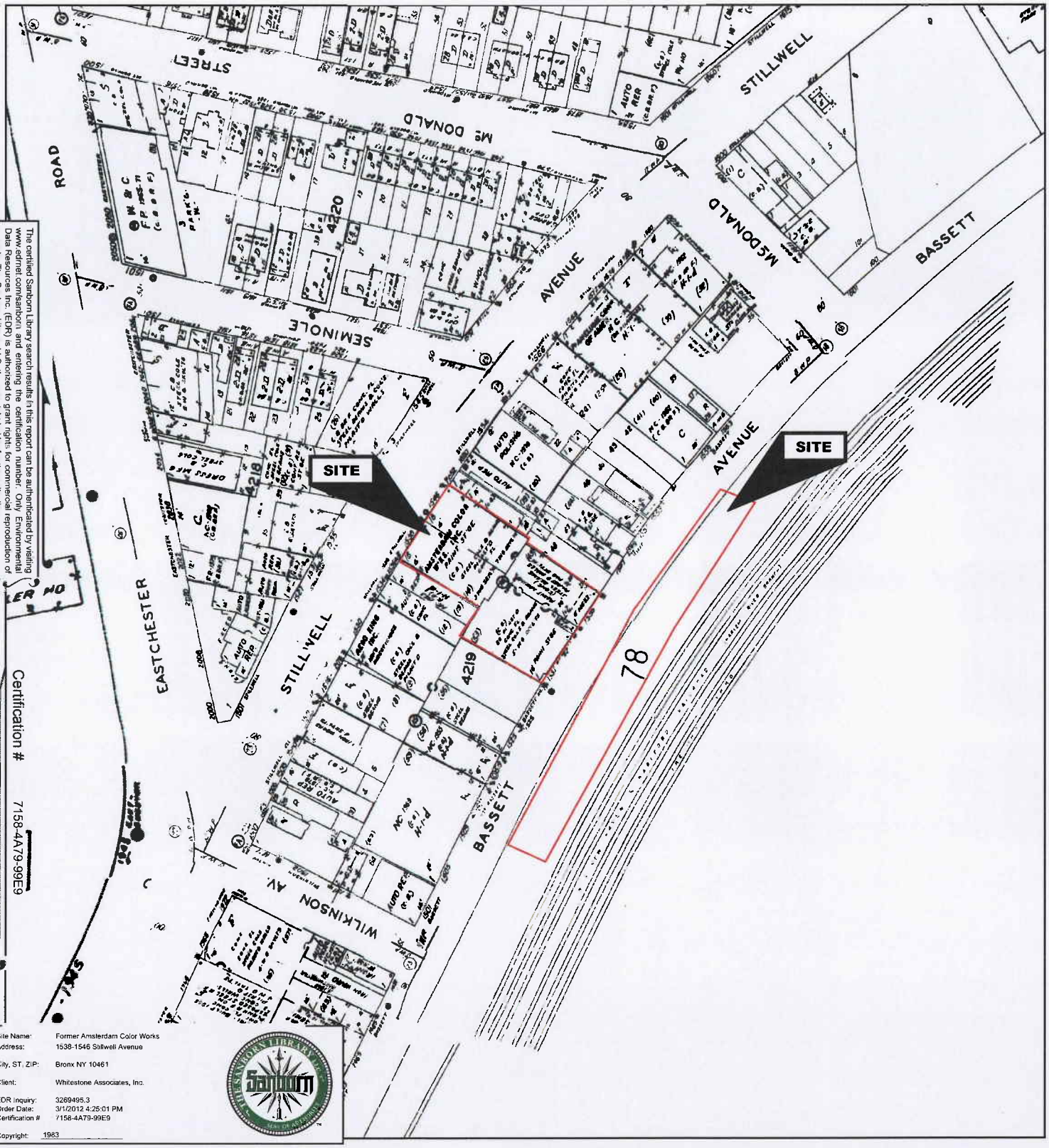
1983 Certified Sanborn Map



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Address:	1538-1546 Stillwell Avenue
City, ST, ZIP:	Bronx NY 10461
Client:	Whitestone Associates, Inc.
EDR Inquiry:	3269495.3
Order Date:	3/1/2012 4:25:01 PM
Certification #	7158-4A79-99E9
Copyright:	1983

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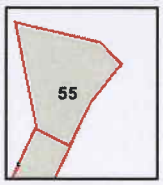

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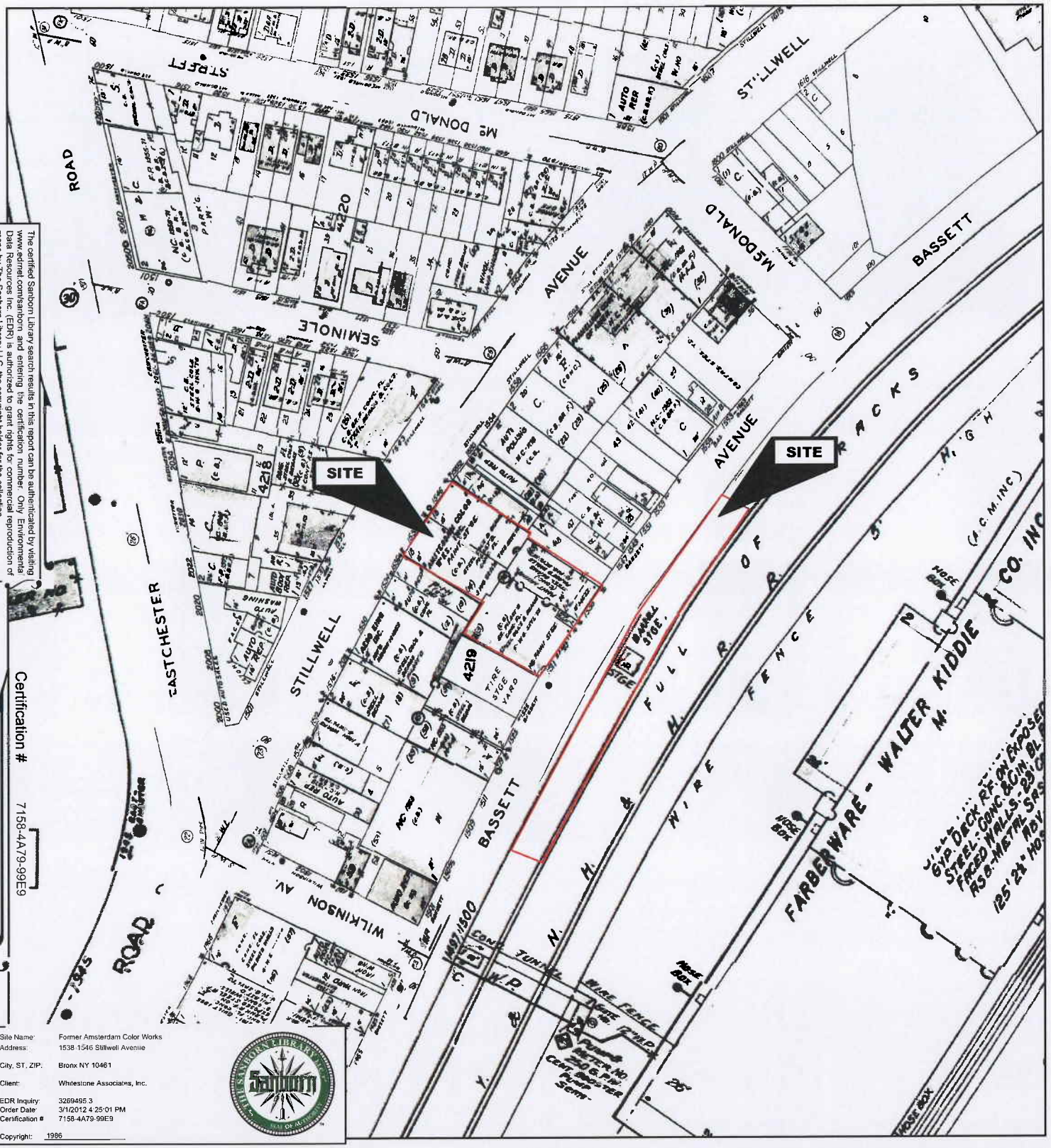
1986 Certified Sanborn Map



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Site Name:	Former Amsterdam Color Works
Address:	1538-1546 Stillwell Avenue
City, ST, ZIP:	Bronx NY 10461
Client:	Whitestone Associates, Inc.
EDR Inquiry:	3269495.3
Order Date:	3/1/2012 4:25:01 PM
Certification #	7158-4A79-99E9
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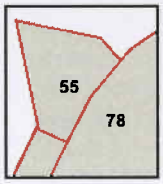

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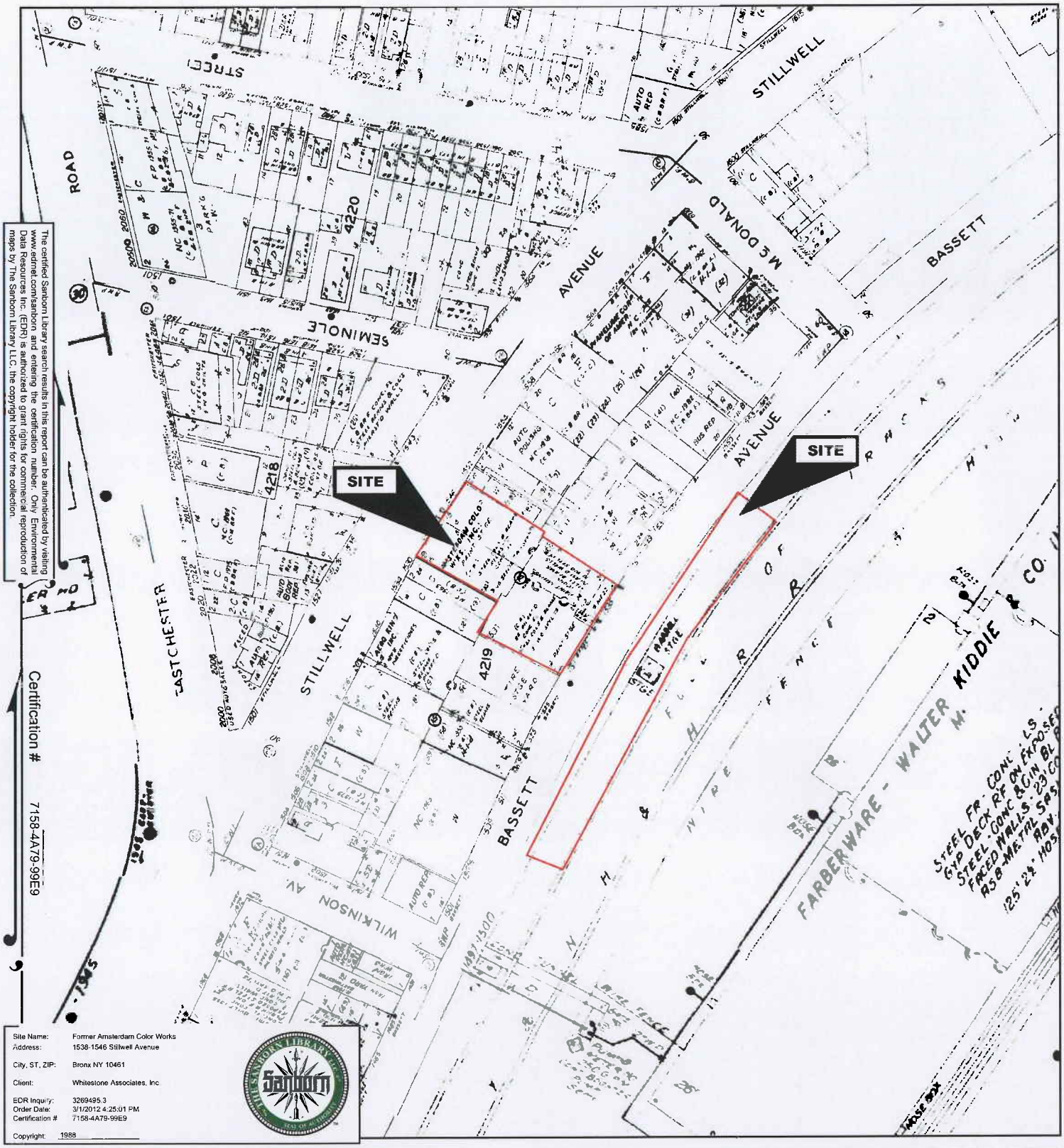

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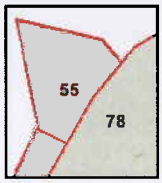

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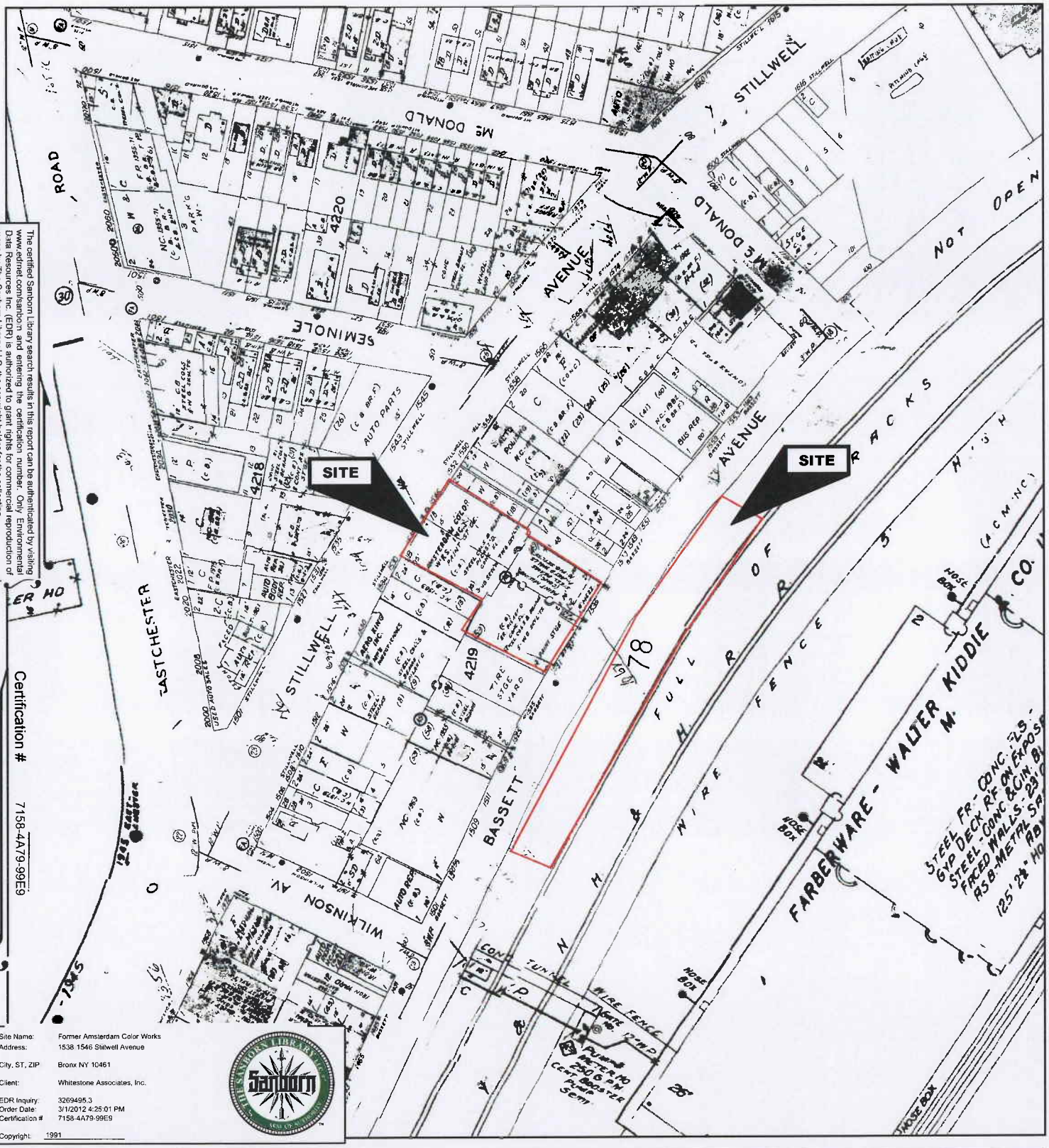

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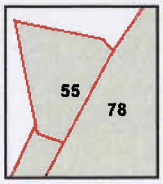

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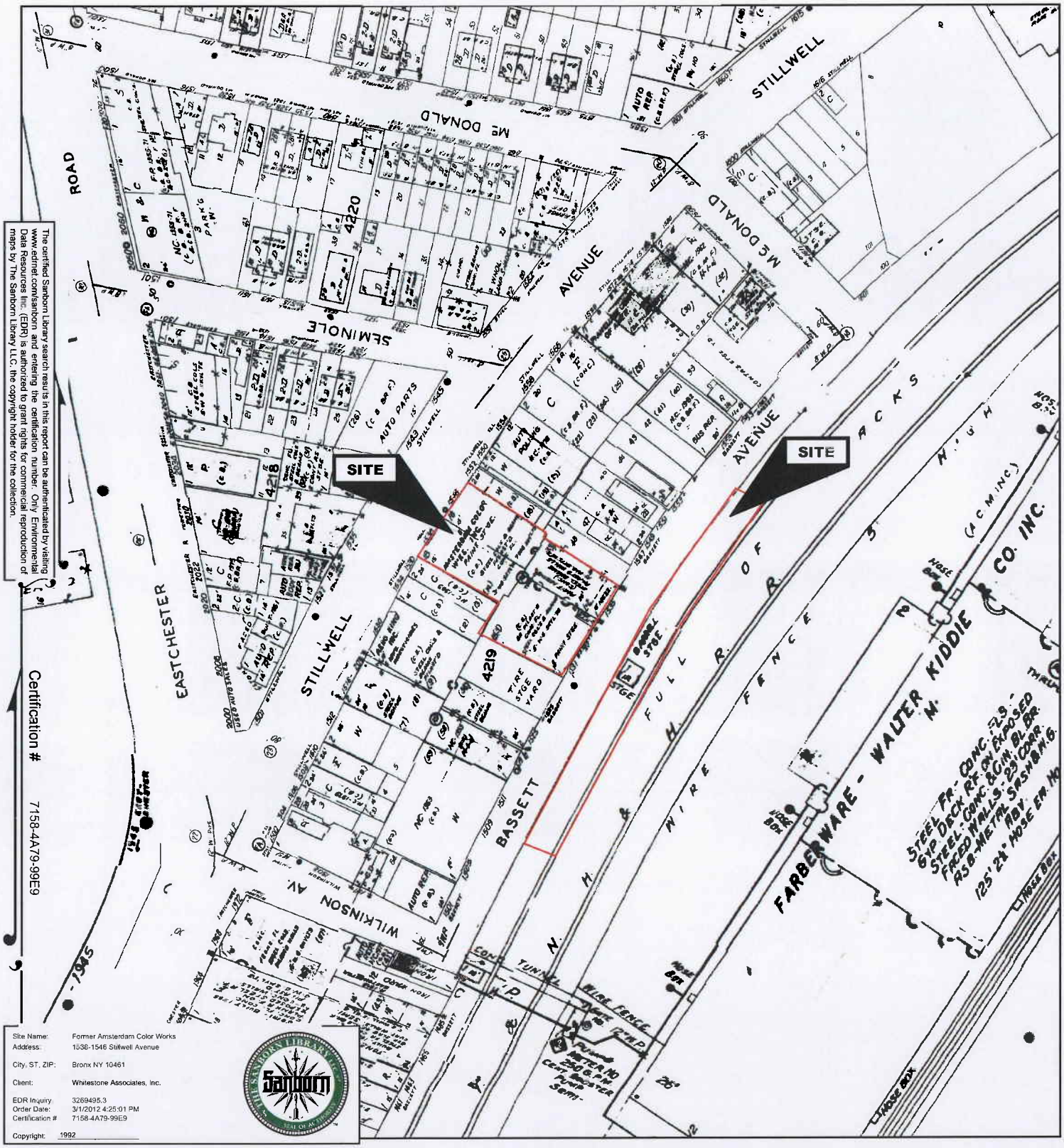

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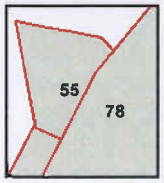

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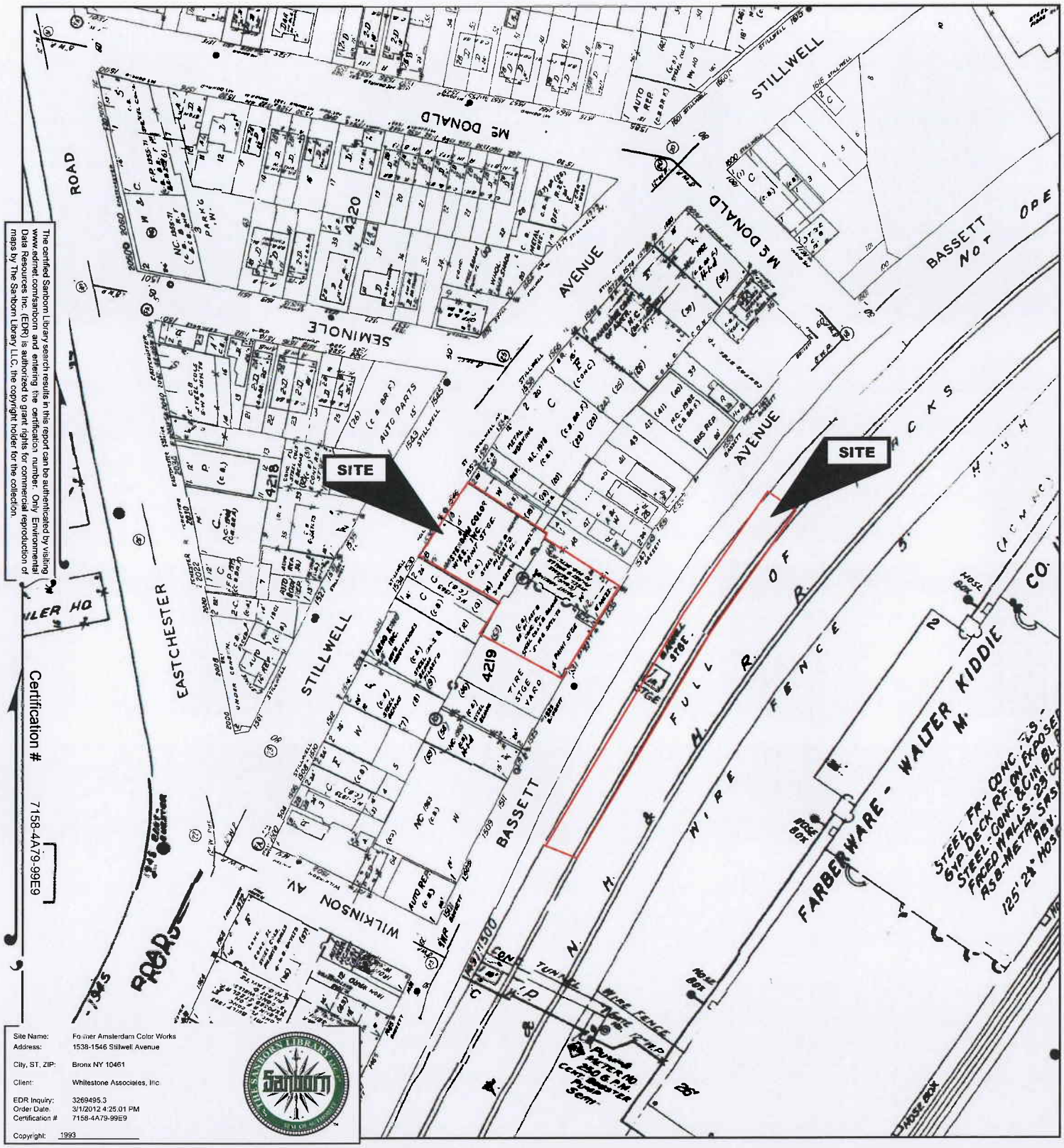

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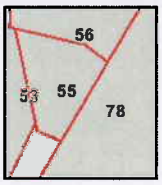

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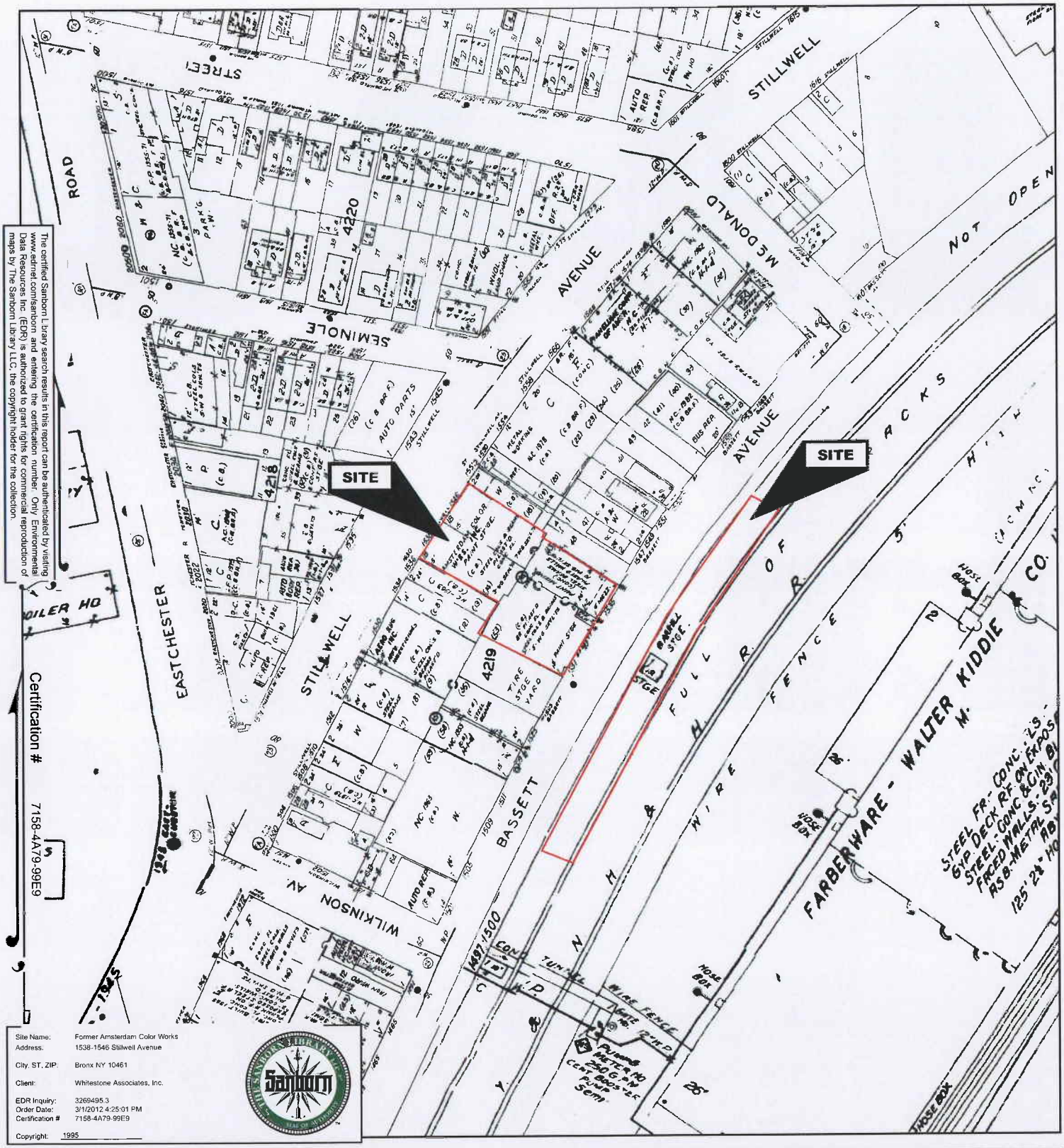

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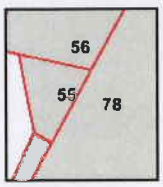

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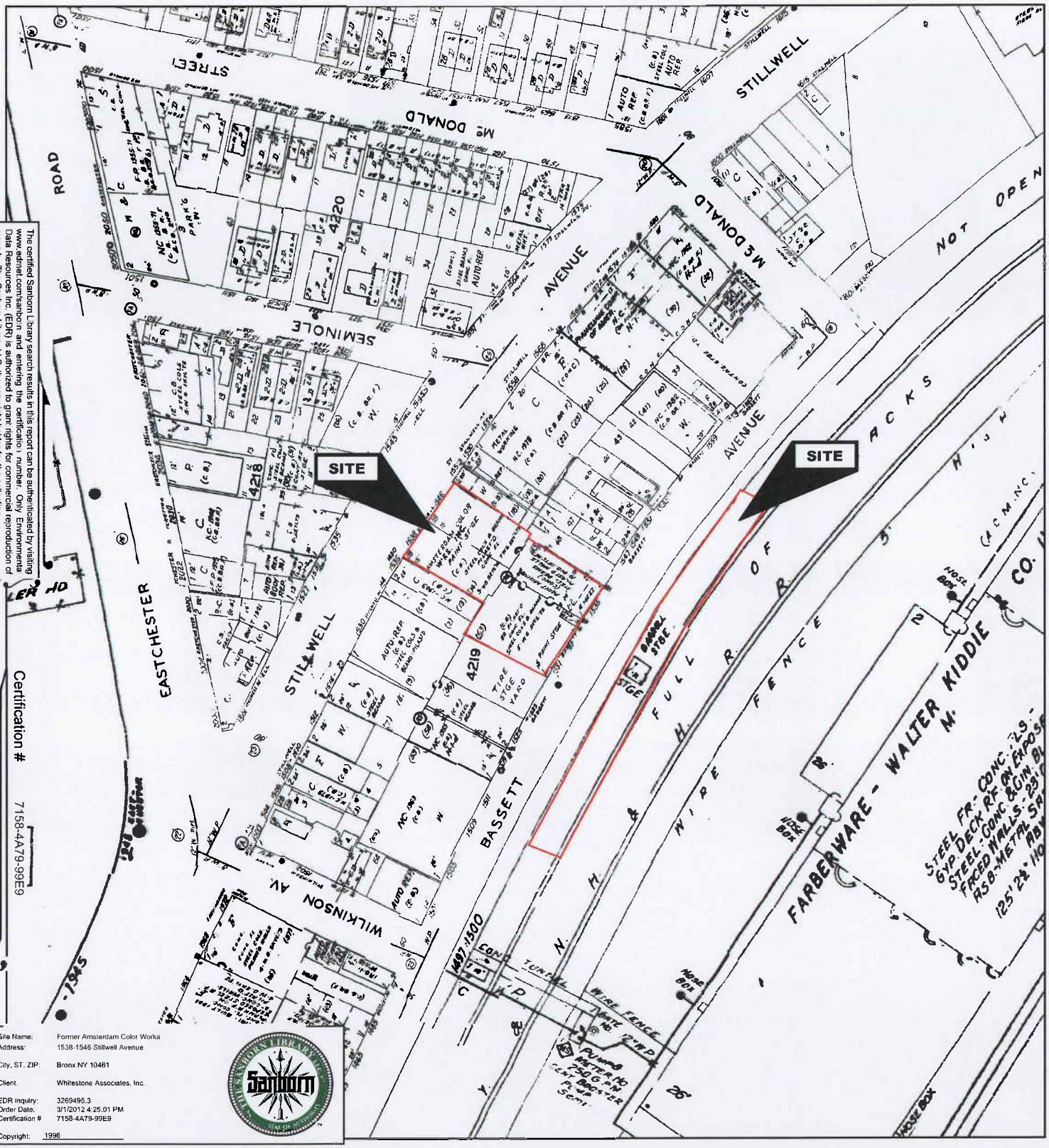

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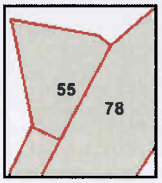

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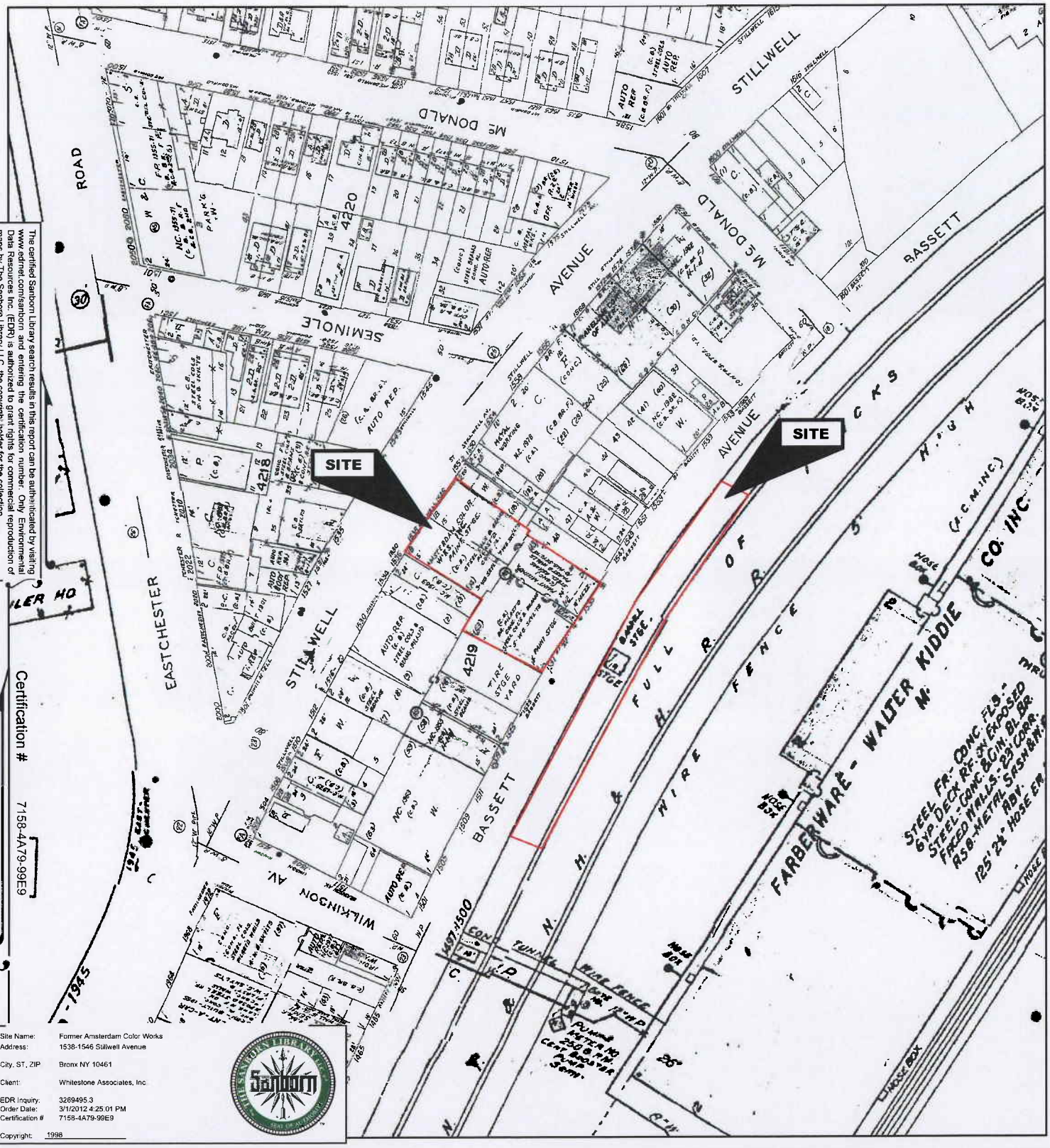

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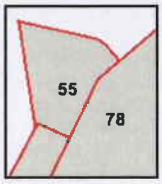

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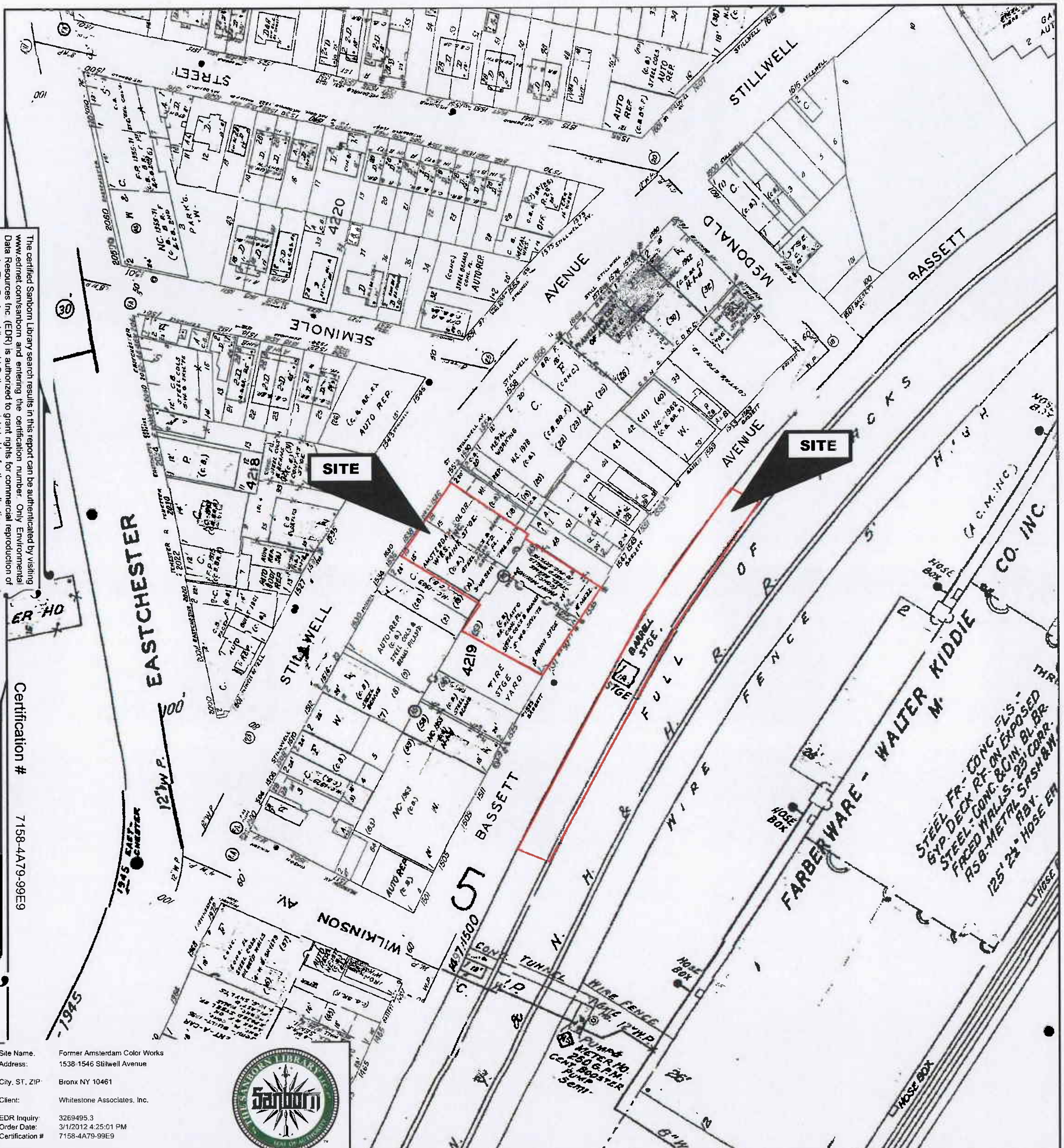

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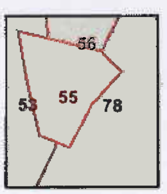

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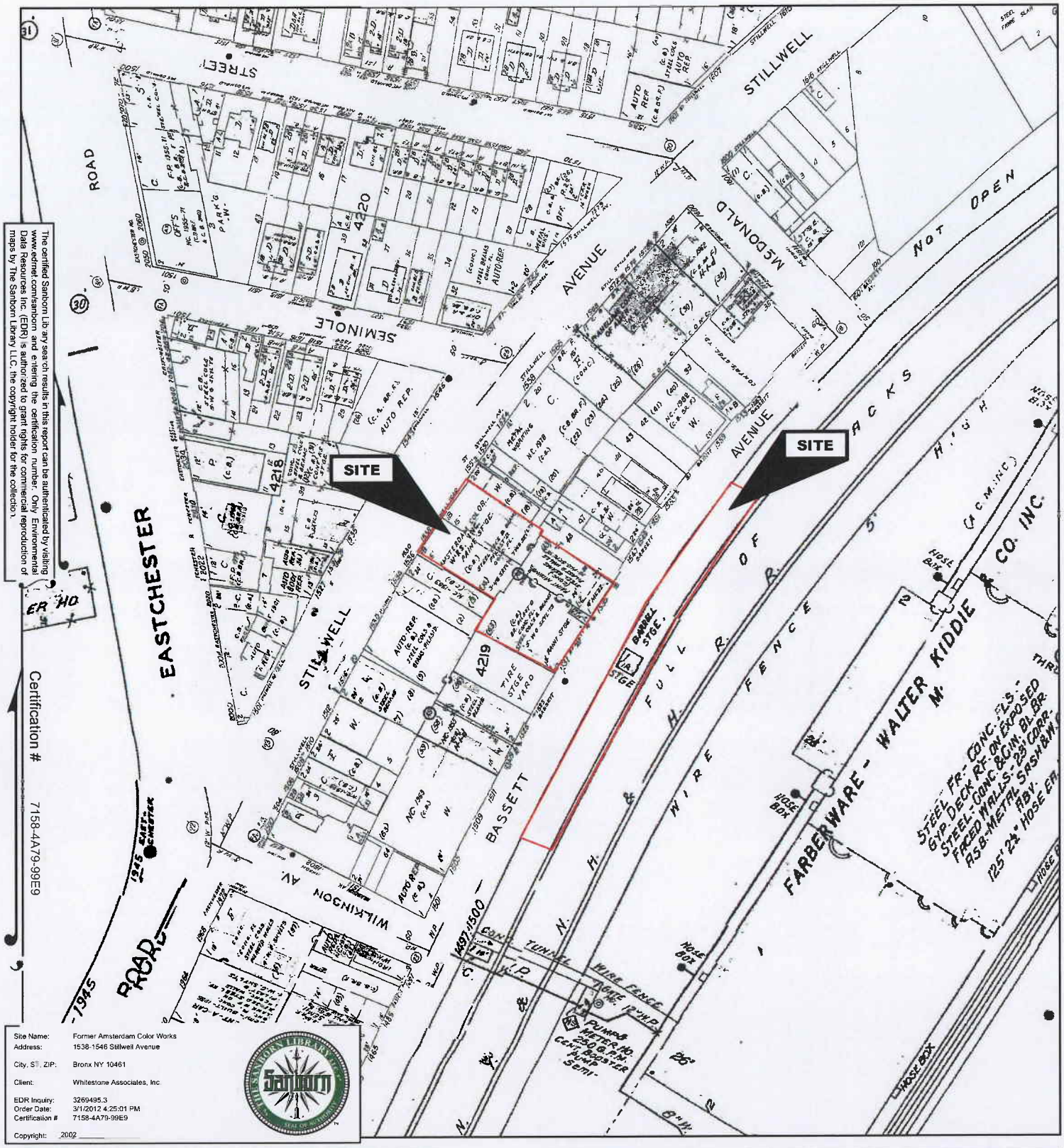

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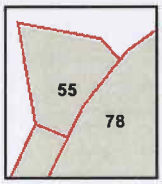

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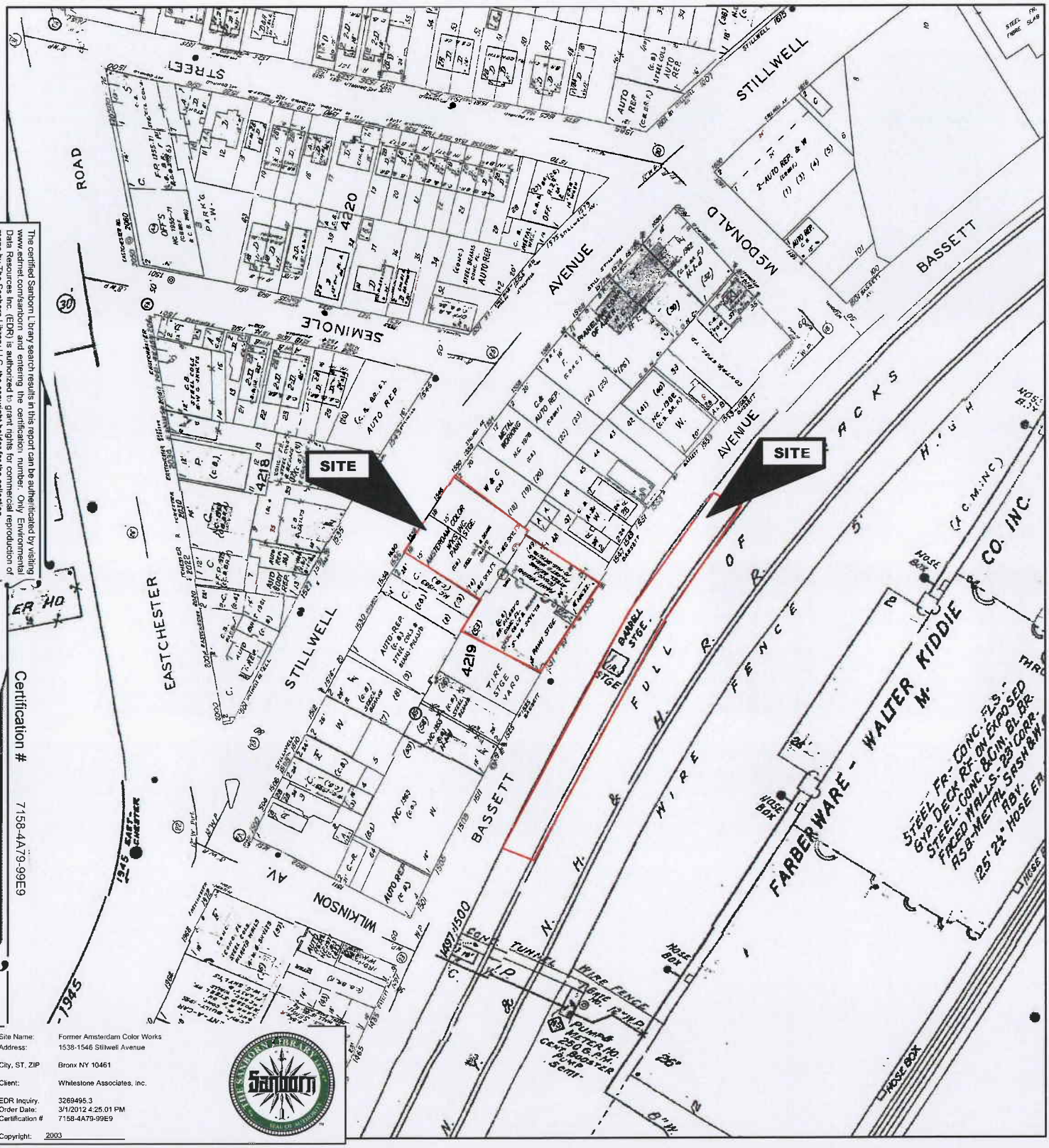

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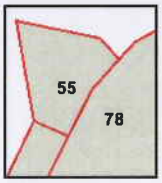

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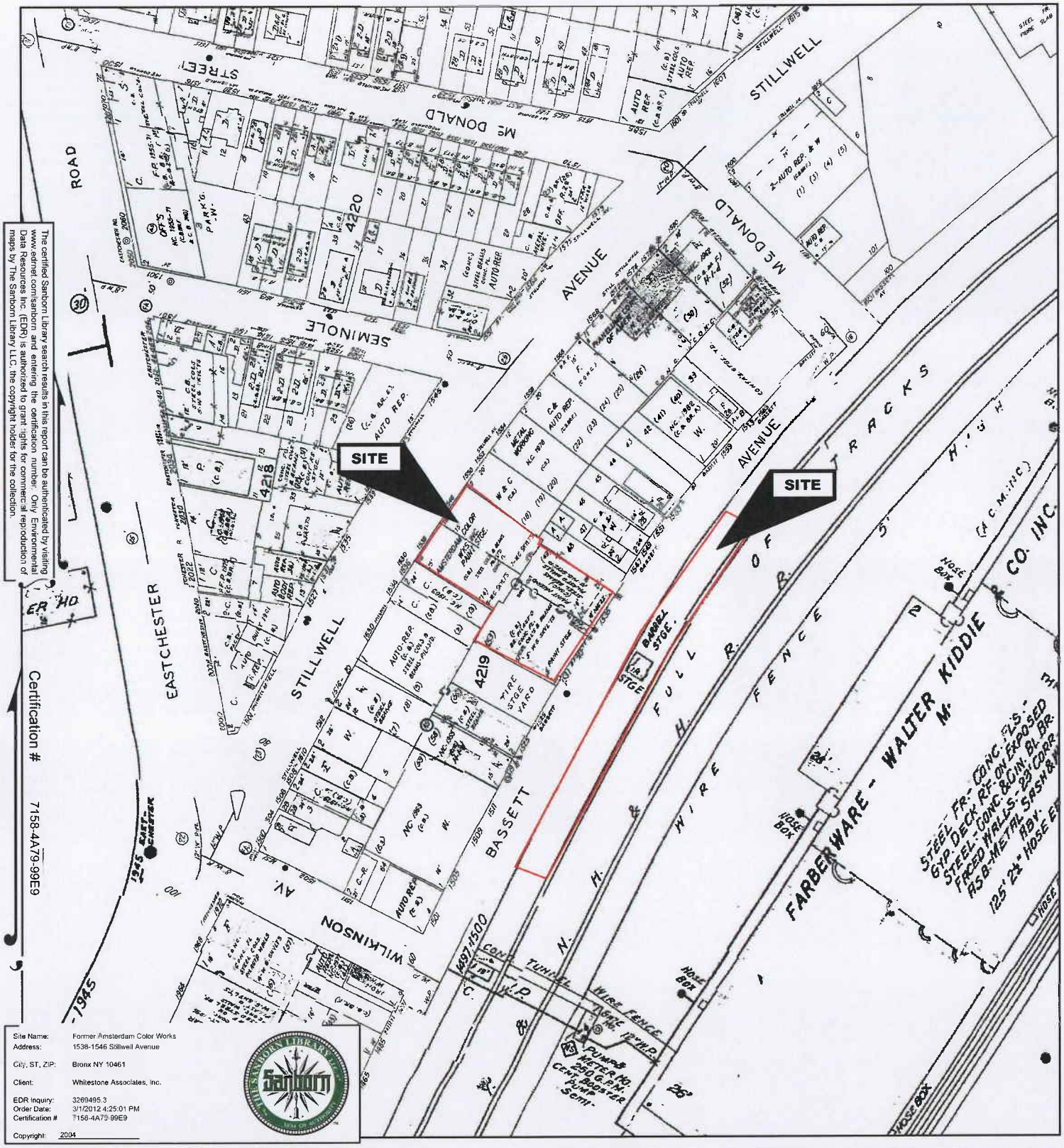

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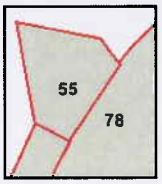

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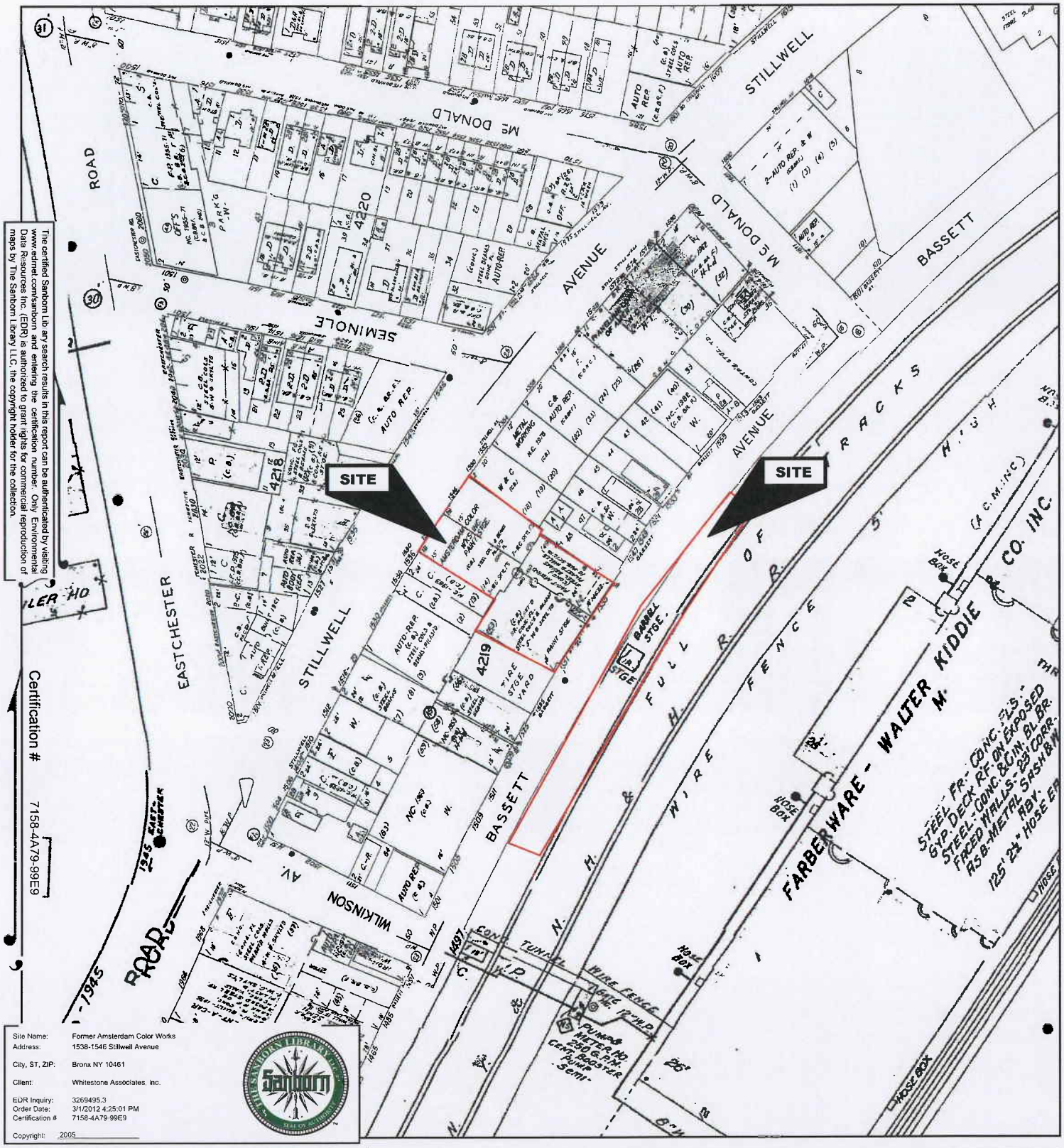

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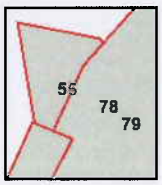

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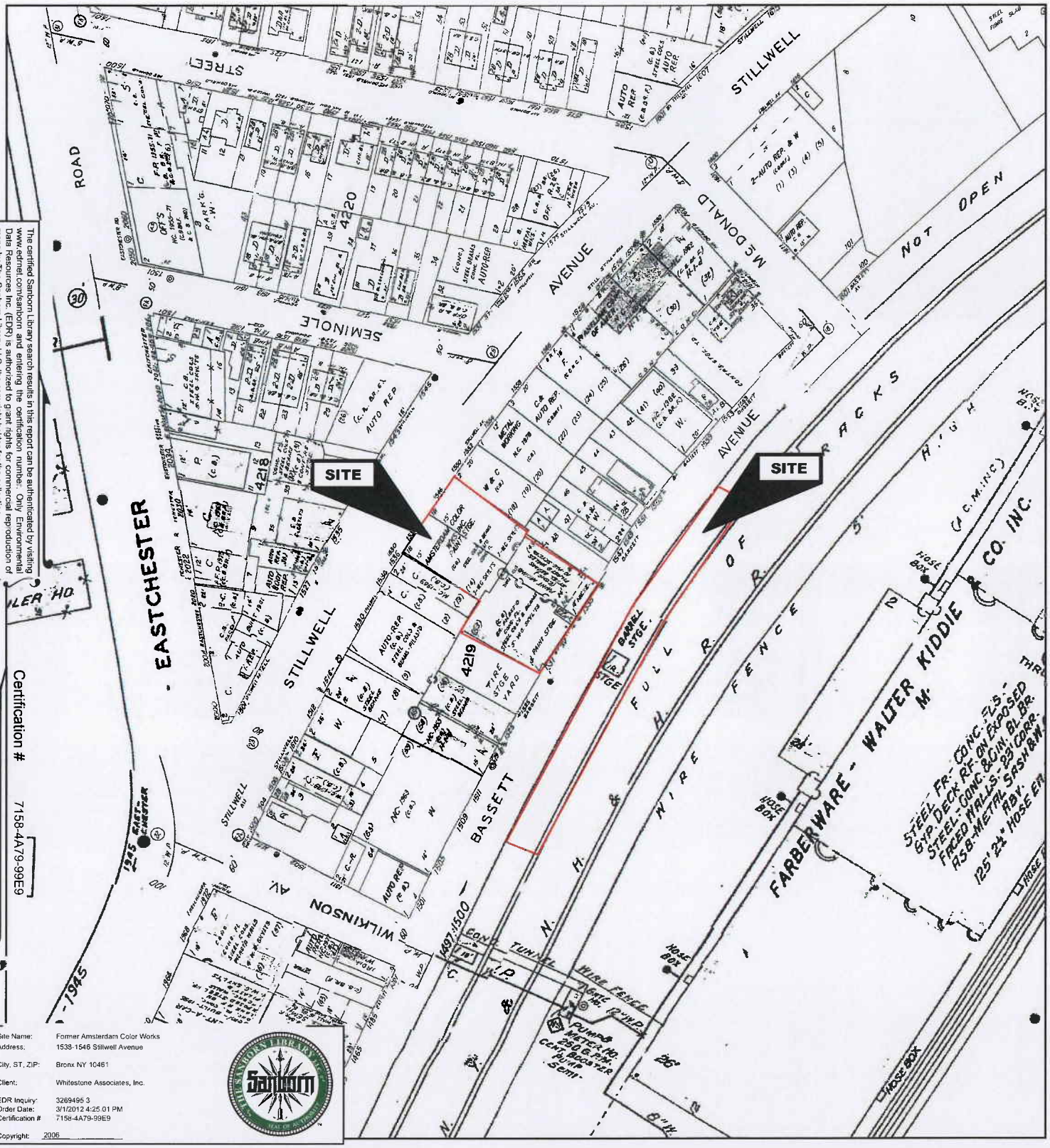

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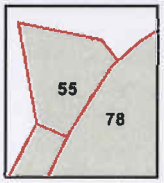

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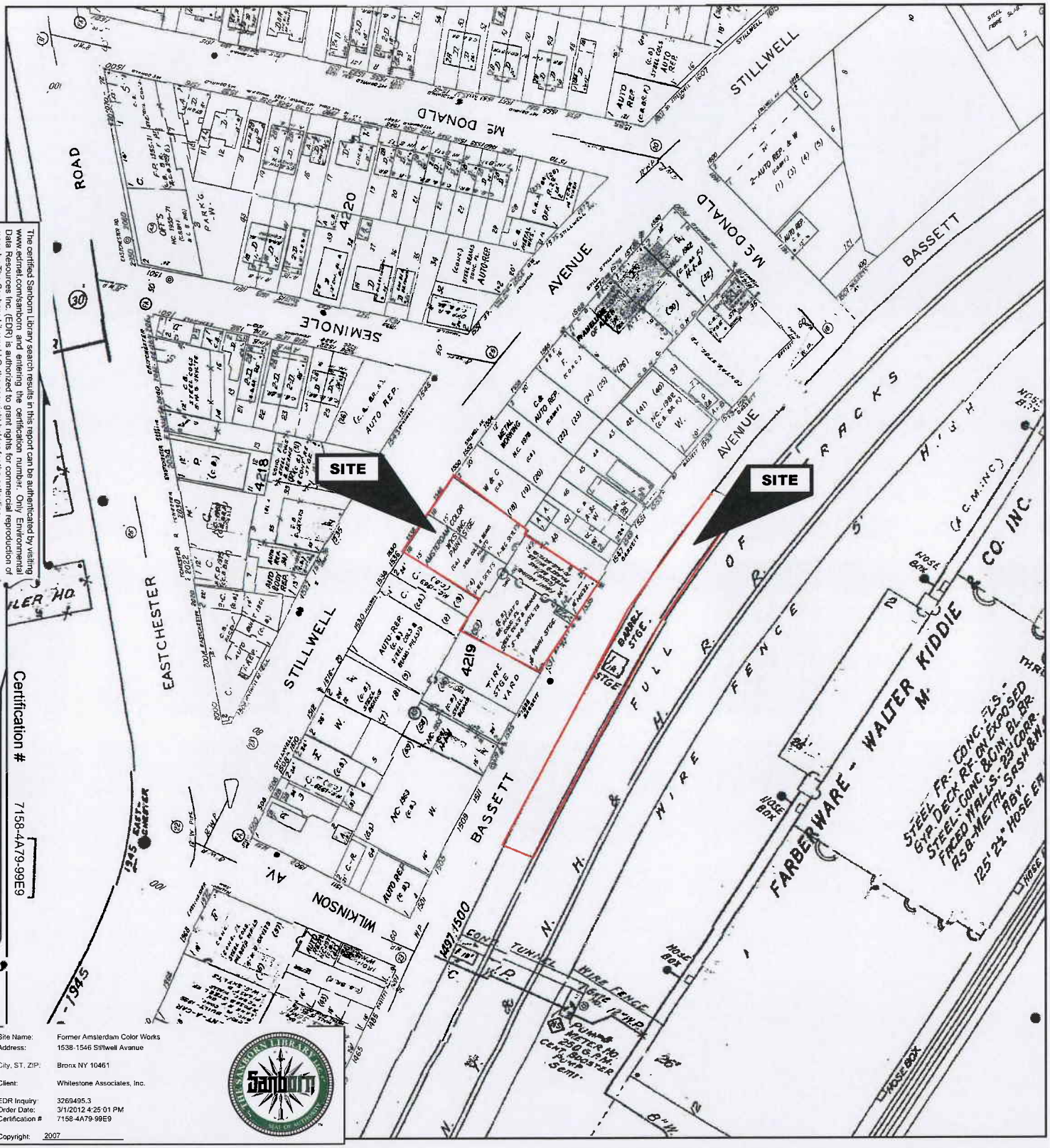

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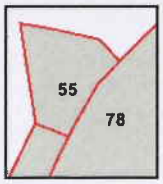

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APPENDIX 6
City Directory Search

Former Amsterdam Color Works
1546 Stillwell Avenue
Bronx, NY 10461

Inquiry Number: 3269495.6
March 02, 2012

The EDR-City Directory Abstract

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

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SECTION

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Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1927 through 2005. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 100 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2005	Hill-Donnelly Information Services	X	X	X	-
2000	Cole Information Services	X	X	X	-
1993	New York Telephone	X	X	X	-
1983	New York Telephone	X	X	X	-
1976	New York Telephone Company	X	X	X	-
1971	New York Telephone	X	X	X	-
1965	New York Telephone Company	X	X	X	-
1961	New York Telephone	X	X	X	-
1956	New York Telephone	-	-	-	-
1949	New York Telephone	-	-	-	-
1940	New York Telephone	-	X	X	-
1931	Manhattan and Bronx Directory Publishing Company Residential Directory	-	X	X	-
1927	New York Telephone	-	X	X	-

EXECUTIVE SUMMARY

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

Address	Type	Findings
1538 Stillwell Avenue	Client Entered	X
1547 Stillwell Avenue	Client Entered	
1531 Bassett Avenue	Client Entered	
1547 Bassett Avenue	Client Entered	X
1549 Bassett Avenue	Client Entered	X

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

1546 Stillwell Avenue
Bronx, NY 10461

FINDINGS DETAIL

Target Property research detail.

Year	Uses	Source
2005	NCL	Hill-Donnelly Information Services
2000	AMSTERDAM CLR WKS	Cole Information Services
1993	AMSTERDAM COLOR WKS PAINTS	New York Telephone
1983	AMSTERDAM COLOR WKS INC PAINTS	New York Telephone
1976	AMSTERDAM COLOR WKS INC PAINTS	New York Telephone Company
1971	AMSTERDAM COLOR WKS INC PAINTS	New York Telephone
1965	AMSTERDAM COLOR WKS INC PAINTS	New York Telephone Company
1961	AMSTERDAM COLOR WKS INC PAINTS	New York Telephone

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

Bassett Avenue

1547 Bassett Avenue

Year	Uses	Source
1976	DRAKE WESLEY JR	New York Telephone Company
1971	DRAKE WESLEY JR	New York Telephone
1965	DRAKE WESLEY JR	New York Telephone Company
1931	Scholnik Abr	Manhattan and Bronx Directory Publishing Company Residential Directory
1927	Sckolnik A r	New York Telephone

1549 Bassett Avenue

Year	Uses	Source
2005	Allied Appraisal Co F	Hill-Donnelly Information Services
	X Per Tees Co	Hill-Donnelly Information Services
2000	X-PER-TEES CO	Cole Information Services
	ALLIED APPRSL CO	Cole Information Services

STILLWELL AVE

1512 STILLWELL AVE

Year	Uses	Source
2005	Millennium Masonry Inc	Hill-Donnelly Information Services
2000	MC NELY & MC NALLY	Cole Information Services
1976	DE CARLO JACK	New York Telephone Company
1971	WEIHS IRON WKS	New York Telephone
1965	WEIHS IRON WKS	New York Telephone Company
1961	WEIHS IRON WKS	New York Telephone
1940	Rahtz & Schnitzer Co	New York Telephone

1520 STILLWELL AVE

Year	Uses	Source
2005	E & W Mfg Co Inc	Hill-Donnelly Information Services
2000	E & W MFG CO INC	Cole Information Services
1993	E & W MFG CO INC	New York Telephone
1983	LIDO MOBILI INTERNATIONAL LTD	New York Telephone

FINDINGS

Year	Uses	Source
1971	ALCO MFG CORP	New York Telephone
1965	ALCO MFG CORP	New York Telephone Company

1530 STILLWELL AVE

Year	Uses	Source
2005	Jack Miller Tire Co 1 R	Hill-Donnelly Information Services
	Frank & Son Autobody 15 s	Hill-Donnelly Information Services
2000	GOODRICH B CO INC	Cole Information Services
	JACK MILLER TR CO	Cole Information Services
1993	JACK MILLER TIRE CO INC	New York Telephone
	MILLER JACK TIRE CO INC	New York Telephone
	GOODRICH B F CO INC	New York Telephone
1983	AERO-KING INC INSCTCIDS	New York Telephone
	CURTIS CHEMICAL CO	New York Telephone
1976	AERO-KLING INC INSCTCIDS	New York Telephone Company
1971	AERO KING INC INSCTCIDS	New York Telephone
	SEVEN-O-SEVEN CO INSECTICIDES	New York Telephone
1965	SEVEN-O-SEVEN CO INSECTICLDES	New York Telephone Company
	DOUBLE-KIL CHEMCL CO	New York Telephone Company

1530A STILLWELL AVE

Year	Uses	Source
1993	WALTON CONSTR & ELECTL CORP	New York Telephone

1532 STILLWELL AVE

Year	Uses	Source
2005	NCL	Hill-Donnelly Information Services

1534 STILLWELL AVE

Year	Uses	Source
2005	Roberts Electric Co	Hill-Donnelly Information Services
2000	ROBERTS ELEC CO	Cole Information Services
1993	ROBERTS ELECTRIC CO INC	New York Telephone
1983	ROBERTS ELECTRIC CO INC	New York Telephone
1976	STORMY S AUTO BODY & PAINTG	New York Telephone Company
1971	STORMYS AUTO BODY & PAINTG	New York Telephone
1965	STORMY S AUTO BODY & PAINTG	New York Telephone Company
1961	A & B MARBLE WKS	New York Telephone

FINDINGS

1536 STILLWELL AVE

Year	Uses	Source
2005	New Plumbing & Heating Corp	Hill-Donnelly Information Services
2000	NEW PLBG & HTG CORP	Cole Information Services
1983	TACTICAL BUILDERS CORP	New York Telephone
	NEW PLUMBING & HEATING CORP	New York Telephone

1538 STILLWELL AVE

Year	Uses	Source
1931	Brenner Carl R	Manhattan and Bronx Directory Publishing Company Residential Directory

1548 STILLWELL AVE

Year	Uses	Source
2005	Metal Mania LTD	Hill-Donnelly Information Services
2000	METAL MANIA LID	Cole Information Services
1983	A-1 FOREIGN & DOMESTIC CARS	New York Telephone
1976	BARJAC ASSOCS INC	New York Telephone Company
1971	BARJAC ASSOCS INC	New York Telephone
1965	BARJAC ASSOCS	New York Telephone Company

1550 STILLWELL AVE

Year	Uses	Source
2005	Jandrea Carting	Hill-Donnelly Information Services
2000	JAEGER FNRL SUPLS	Cole Information Services
1993	FASHION AUTO BODY	New York Telephone
	FASHION AUTO BODY	New York Telephone
	JAEGER FUNERAL SUPLS	New York Telephone
1976	SACCOMIZE INC	New York Telephone Company
	SACCOMIZE INC	New York Telephone Company
1971	SACCOMIZE INC POLISHING	New York Telephone
1961	GOERING R J	New York Telephone
	ROSSBACH CLARA	New York Telephone
1931	Greithe Florence	Manhattan and Bronx Directory Publishing Company Residential Directory

1554 STILLWELL AVE

Year	Uses	Source
2005	Saccomize Inc	Hill-Donnelly Information Services
2000	SACCOMIZE INC	Cole Information Services
	ELITE PROTECT SVCS	Cole Information Services

FINDINGS

Year	Uses	Source
1993	SACCOMIZE INC	New York Telephone
1983	SACCOMIZE INC	New York Telephone

1558 STILLWELL AVE

Year	Uses	Source
2005	P & D Collision Autobody Paint	Hill-Donnelly Information Services
	Cybermania 1 R	Hill-Donnelly Information Services
2000	SACCOMIZE INC	Cole Information Services
1993	SACCOMIZE INC	New York Telephone
1983	SACCOMIZE INC	New York Telephone
1965	BRENNER KATHERINE MRS	New York Telephone Company

1565 STILLWELL AVE

Year	Uses	Source
2005	Fashion Auto Body 1 s	Hill-Donnelly Information Services
2000	FAB COMMUNICATIONS	Cole Information Services
	FASHION AUTO BODY	Cole Information Services
1983	MONGELLI CARTING CO INC	New York Telephone
1976	BAYBERRY LAMPS INC	New York Telephone Company
1971	BAYBERRY LAMPS INC	New York Telephone
1965	BAYBERRY LAMPS INC	New York Telephone Company

1566 STILLWELL AVE

Year	Uses	Source
2005	Bay Cycle Performance is	Hill-Donnelly Information Services
2000	T & M ARTCRAFT CORP	Cole Information Services
1993	AIR MASTER WINDOW	New York Telephone
	CHALGO PAINT	New York Telephone
	CONSOLIDATED SUPL CO INC	New York Telephone
	MANHATTAN WINDOW SYSTEMS INC	New York Telephone
1983	CHALGO PAINT	New York Telephone
	CHALGO SUPPLY CO INC	New York Telephone
1976	GOBI PRIMAK BEAUTY SUPPLY CO INC	New York Telephone Company
	GOBI PRODS MFG CORP	New York Telephone Company
1971	AJAX RECORD CO	New York Telephone
1965	AJAX RECORD CO	New York Telephone Company
	AJAX TRANSFORMER CO INC	New York Telephone Company

FINDINGS

1568 STILLWELL AVE

Year	Uses	Source
2005	Fresh & Tasty Baked Products	Hill-Donnelly Information Services
2000	FRESH & TASTY LLC	Cole Information Services

1572 STILLWELL AVE

Year	Uses	Source
2005	Na	Hill-Donnelly Information Services
2000	MIKES CAR CARE	Cole Information Services
1993	CONSOLIDATED SUPL CO INC	New York Telephone
1983	INSTANT ENCLOSURES	New York Telephone
1971	PANELUME SALES CORP	New York Telephone

1575 STILLWELL AVE

Year	Uses	Source
2005	Fab Communications	Hill-Donnelly Information Services
2000	SISTO & DI MAIO INC	Cole Information Services
1993	SISTO & DI MAIO INC GENL CONTRS	New York Telephone
1983	SISTO & DI MAIO INC GENL CONTRS	New York Telephone
1976	SISTO & DIMAIO INC GENL CONTRS	New York Telephone Company
1971	VDS CONST CO INC	New York Telephone
	SISTO & DI MAIO INC GENL CONTRS	New York Telephone
1961	PICA J ROOERS INC	New York Telephone

1578 STILLWELL AVE

Year	Uses	Source
2005	Iacovella Furniture Co	Hill-Donnelly Information Services
2000	ICVLL FURN CO INC	Cole Information Services
1983	RICHARD HUGH INC	New York Telephone
	UNILOUVER CORP	New York Telephone
1976	HUGH RICHARDS ASSOCS INC	New York Telephone Company
1961	NICKI DRESS INC	New York Telephone

1579 STILLWELL AVE

Year	Uses	Source
2005	Club Limousine Svc 1 R	Hill-Donnelly Information Services
2000	CLUB LIMOUSINE SVC	Cole Information Services
1983	SINGER COMPANY THE FACTORY CUSTOMER SERVICE	New York Telephone
1976	LOU ANN DRESSES INC	New York Telephone Company
1971	LOU-ANN DRESSES INC	New York Telephone

FINDINGS

Year	Uses	Source
1971	LOU-ANN DRESSES INC	New York Telephone
1965	NICKI DRESS INC	New York Telephone Company

1580 STILLWELL AVE

Year	Uses	Source
2005	De Micco Brothers Inc	Hill-Donnelly Information Services
2000	DEMICCO BRDS INC	Cole Information Services
	DE MICCO BROS INC	Cole Information Services
1993	DEMICCO BROS INC CONTRS	New York Telephone
	DE MICCO BROS INC	New York Telephone
1983	DEMICCO BROS INC CONTRS	New York Telephone
1976	AIR AFRIQUE RESERVATIONS & INFORMATION	New York Telephone Company
1971	AIR BALANCE INC	New York Telephone
1965	PLESSEY INC	New York Telephone Company

Stillwell Avenue

1538 Stillwell Avenue

Year	Uses	Source
1931	Brenner Carl R	Manhattan and Bronx Directory Publishing Company Residential Directory

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
1546 Stillwell Avenue	1956, 1949, 1940, 1931, 1927

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
1512 STILLWELL AVE	1993, 1983, 1956, 1949, 1931, 1927
1520 STILLWELL AVE	1976, 1961, 1956, 1949, 1940, 1931, 1927
1530 STILLWELL AVE	1961, 1956, 1949, 1940, 1931, 1927
1530A STILLWELL AVE	2005, 2000, 1983, 1976, 1971, 1965, 1961, 1956, 1949, 1940, 1931, 1927
1531 Bassett Avenue	2005, 2000, 1993, 1983, 1976, 1971, 1965, 1961, 1956, 1949, 1940, 1931, 1927
1532 STILLWELL AVE	2000, 1993, 1983, 1976, 1971, 1965, 1961, 1956, 1949, 1940, 1931, 1927
1534 STILLWELL AVE	1956, 1949, 1940, 1931, 1927
1536 STILLWELL AVE	1993, 1976, 1971, 1965, 1961, 1956, 1949, 1940, 1931, 1927
1538 STILLWELL AVE	2005, 2000, 1993, 1983, 1976, 1971, 1965, 1961, 1956, 1949, 1940, 1927
1538 Stillwell Avenue	2005, 2000, 1993, 1983, 1976, 1971, 1965, 1961, 1956, 1949, 1940, 1927
1547 Bassett Avenue	2005, 2000, 1993, 1983, 1961, 1956, 1949, 1940
1547 Stillwell Avenue	2005, 2000, 1993, 1983, 1976, 1971, 1965, 1961, 1956, 1949, 1940, 1931, 1927
1548 STILLWELL AVE	1993, 1961, 1956, 1949, 1940, 1931, 1927
1549 Bassett Avenue	1993, 1983, 1976, 1971, 1965, 1961, 1956, 1949, 1940, 1931, 1927
1550 STILLWELL AVE	1983, 1965, 1956, 1949, 1940, 1927
1554 STILLWELL AVE	1976, 1971, 1965, 1961, 1956, 1949, 1940, 1931, 1927
1558 STILLWELL AVE	1976, 1971, 1961, 1956, 1949, 1940, 1931, 1927
1565 STILLWELL AVE	1993, 1961, 1956, 1949, 1940, 1931, 1927
1566 STILLWELL AVE	1961, 1956, 1949, 1940, 1931, 1927
1568 STILLWELL AVE	1993, 1983, 1976, 1971, 1965, 1961, 1956, 1949, 1940, 1931, 1927
1572 STILLWELL AVE	1976, 1965, 1961, 1956, 1949, 1940, 1931, 1927
1575 STILLWELL AVE	1965, 1956, 1949, 1940, 1931, 1927

FINDINGS

Address Researched	Address Not Identified in Research Source
1578 STILLWELL AVE	1993, 1971, 1965, 1956, 1949, 1940, 1931, 1927
1579 STILLWELL AVE	1993, 1961, 1956, 1949, 1940, 1931, 1927
1580 STILLWELL AVE	1961, 1956, 1949, 1940, 1931, 1927

APPENDIX 7
Transaction Screen Process Questionnaire

Site Inspection Date: March 5, 2012

Whitestone Project No.: EJ1111829.001

TRANSACTION SCREEN PROCESS QUESTIONNAIRE (ASTM E1528-06)

SECTION 1 • GENERAL INFORMATION

1. SITE INFORMATION:	Proposed Self-Storage Facility			
	Site Name			
	1538 and 1546 Stillwell Avenue and 1547 and 1549 Bassett Avenue			
	Street Address			
	Bronx	Bronx	NY	10461
	City	**County**	**State**	**Zip Code**
	16; 290	4219; 4226		
	Tax Lot Numbers	**Tax Block Numbers**		
2. CLIENT/CONTACT INFORMATION:	Stillwell Storage, LLC c/o The Hampshire Companies			
	Company Name			
	Donald J. Engels, Managing Member			
	Contact Name			
	10 Dehart Street			
	Street Address		**P.O./Suite Number**	
	Morristown	New Jersey	07960	
	City	**State**	**Zip Code**	
	(973) 734-4246	(973) 285-9643		
	Phone Number	**Fax Number**		
3. OWNER INFORMATION:	Stephen Offerman/Amsterdam Color Works, Inc.			
	Company Name			
	Stephen Offerman, Owner			
	Contact Name			
	3326 Merritt Avenue			
	Street Address		**P.O./Suite Number**	
	Bronx	New York	10475	
	City	**State**	**Zip Code**	
	(718) 828-8000			
	Phone Number	**Fax Number**		
4. OCCUPANT/SITE MANAGER INFORMATION:	Stephen Offerman/Amsterdam Color Works, Inc.			
	Company Name			
	Stephen Offerman, Owner			
	Contact Name			
	3326 Merritt Avenue			
	Street Address		**P.O./Suite Number**	
	Bronx	New York	10475	
	City	**State**	**Zip Code**	
	(718) 828-8000			
	Phone Number	**Fax Number**		

TRANSACTION SCREEN PROCESS QUESTIONNAIRE
(ASTM E1528-06)

SECTION 2 • CHECKLIST

	Question	Owner	Occupants (If Applicable)	Observed During Site Visit
1a.	Is the *property* used for an industrial use?	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☒ No ☐ Unknown
1b.	Is any *adjoining property* used for an industrial use?	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☒ No ☐ Unknown
2a.	Did you observe evidence or do you have any prior knowledge that the *property* has been used for an industrial use in the past?	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☒ Yes ☐ No ☐ Unknown
2b.	Did you observe evidence or do you have any prior knowledge that any *adjoining property* has been used for an industrial use in the past?	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☒ No ☐ Unknown
3a.	Is the *property* used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility (if applicable, identify which)?	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☒ No ☐ Unknown
3b.	Is any *adjoining property* used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility (if applicable, identify which)?	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☒ Yes ☐ No ☐ Unknown
4a.	Did you observe evidence or do you have any prior knowledge that the *property* has been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility (if applicable, identify which)?	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☒ No ☐ Unknown
4b.	Did you observe evidence or do you have any prior knowledge that any *adjoining property* has been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility (if applicable, identify which)?	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☒ No ☐ Unknown
5a.	Are there currently any damaged or discarded automotive or industrial batteries, pesticides, paints, or other chemicals in individual containers of >5 gal (19L) in volume or 50 gal (190L) in the aggregate, stored on or used at the *property* or at the facility?	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☒ No ☐ Unknown
5b.	Did you observe evidence or do you have any prior knowledge that there have been previously any damaged or discarded automotive or industrial batteries, or pesticides, paints, or other chemicals in individual containers of >5 gal (19L) in volume or 50 gal (190L) in the aggregate, stored on or used at the *property* or at the facility?	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☒ Yes ☐ No ☐ Unknown

TRANSACTION SCREEN PROCESS QUESTIONNAIRE
(ASTM E1528-06)

	Question	Owner	Occupants (If Applicable)	Observed During Site Visit
6a.	Are there currently any industrial *drums (typically* 55 gal (208L) or sacks of chemicals located on the property or at the facility?	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☒ No ☐ Unknown
6b.	Did you observe evidence or do you have any prior knowledge that there have been previously any industrial *drums (typically* 55 gal (208L) or sacks of chemicals located on the property or at the facility?	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☒ Yes ☐ No ☐ Unknown
7a.	Did you observe evidence or do you have any prior knowledge that fill *dirt* has been brought onto the property that originated from a contaminated site?	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☒ No ☐ Unknown
7b.	Did you observe evidence or do you have any prior knowledge that fill *dirt* has been brought onto the property that is of an unknown origin?	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☒ Yes ☐ No ☐ Unknown
8a.	Are there currently any *pits, ponds, or lagoons* located on the *property* in connection with waste treatment or waste disposal?	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☒ No ☐ Unknown
8b.	Did you observe evidence or do you have any prior knowledge that there have been previously, any *pits, ponds, or lagoons* located on the *property* in connection with waste treatment or waste disposal?	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☒ No ☐ Unknown
9a.	Is there currently any stained soil on the *property?*	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☒ No ☐ Unknown
9b.	Did you observe evidence or do you have any prior knowledge that there has been previously, any stained soil on the *property?*	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☒ No ☐ Unknown
10a.	Are there currently any registered or unregistered storage tanks (above or underground) located on the *property?*	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☒ Yes ☐ No ☐ Unknown
10b.	Did you observe evidence or do you have any prior knowledge that there have been previously, any registered or unregistered storage tanks (above or underground) located on the *property?*	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☒ Yes ☐ No ☐ Unknown
11a.	Are there currently any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground on the *property* or adjacent to any structure located on the *property?*	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☒ Yes ☐ No ☐ Unknown
11b.	Did you observe evidence or do you have any prior knowledge that there have been previously, any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground on *the property* or adjacent to any structure located on the *property?*	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☒ Yes ☐ No ☐ Unknown
12a.	Is there currently evidence of leaks, spills or staining by substances other than water, or foul odors, associated with any flooring, drains, walls, ceilings, or exposed grounds on the property?	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☒ No ☐ Unknown
12b.	Did you observe evidence or do you have any prior knowledge that there have been previously any leaks, spills, or staining by substances other than water, or foul odors, associated with any flooring drains, walls, ceilings or exposed grounds on the property?	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☒ Yes ☐ No ☐ Unknown

TRANSACTION SCREEN PROCESS QUESTIONNAIRE
(ASTM E1528-06)

	Question	Owner	Occupants (If Applicable)	Observed During Site Visit
13a.	If the property is served by a private well or non-public water system, is there evidence or do you have prior knowledge that contaminants have been identified in the well or system that exceed guidelines applicable to the water system?	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown N/A
13b.	If the property is served by a private well or non-public water system, is there evidence or do you have prior knowledge that the well has been designated as contaminated by any government environmental/health agency?	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown N/A
14.	Does the *owner or occupant* of the *property* have any knowledge of *environmental liens* or governmental notification relating to past or recurrent violations of environmental laws with respect to the *property* or any facility located on the *property?*	☐ Yes ☒ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown
15a.	Has the *owner or occupant* of the *property* been informed of the past existence of *hazardous substances or petroleum products* with respect to the *property* or any facility located on the *property?*	☒ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown
15b.	Has the *owner or occupant of the property* been informed of the current existence of *hazardous substances or petroleum products* with respect to the *property* or any facility located on the *property?*	☐ Yes ☒ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown
15c.	Has the *owner or occupant* of the *property* been informed of the past existence of environmental violations with respect to the *property* or any facility located on the *property?*	☐ Yes ☒ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown
15d.	Has the *owner or occupant of the property* been informed of the current existence of environmental violations with respect to the *property* or any facility located on the *property?*	☐ Yes ☒ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown
16.	Does the *owner or occupant* of the *property* have any knowledge of any *environmental site assessment* of the *property* or facility that indicated the presence of *hazardous substances or petroleum products* on, or contamination of, the *property* or recommended further assessment of the *property?*	☒ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown
17.	Does the *owner or occupant* of the *property* know of any past, threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any *hazardous substance or petroleum products* involving the *property* by any owner or occupant of the *property?*	☐ Yes ☒ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown
18a.	Does the *property* discharge waste water (not including sanitary waste or storm water) onto or adjacent to the *property* and/or into a storm water system?	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☒ No ☐ Unknown
18b.	Does the *property* discharge waste water (not including sanitary waste or stormwater) onto or adjacent to the *property* and/or into a sanitary sewer system?	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☒ No ☐ Unknown
19.	Did you observe evidence or do you have any prior knowledge that any *hazardous substances or* petroleum *products,* unidentified waste materials, tires, automotive or industrial batteries, or any other waste materials have been dumped above grade, buried and/or burned on the *property?*	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☒ No ☐ Unknown

TRANSACTION SCREEN PROCESS QUESTIONNAIRE
(ASTM E1528-06)

Question	Owner	Occupants (If Applicable)	Observed During Site Visit
20. Is there a transformer, capacitor, or any hydraulic equipment for which there are any records indicating the presence of PCBs?	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☒ No ☐ Unknown
Government Records/Historical Sources Inquiry			
21. Do any of the following Federal government record systems list the property or any property within the search distance noted below: *National Priorities List (NPL)* - within 1.0 mile (1.6 km)?			☐ Yes ☒ No
Delisted NPL - within 0.5 mile (0.8 km)?			☐ Yes ☒ No
CERCLIS List - within 0.5 mile (0.8 km)?			☐ Yes ☒ No
CERCLIS NFRAP List - property and adjoining properties?			☐ Yes ☒ No
RCRA CORRACTS Facilities - within 1.0 mile (1.6 km)?			☐ Yes ☒ No
RCRA non-CORRACTS TSD Facilities - within 0.5 mile (0.8 km)?			☐ Yes ☒ No
RCRA Generators List - property and adjoining properties?			☒ Yes ☐ No
Institutional Controls/Engineering Controls - property only?			☐ Yes ☒ No
ERNS List - property only?			☐ Yes ☒ No
22. Do any of the following state and tribal record systems list the property or any property within the search distance noted below: State lists of hazardous waste sites identified for investigation or remediation:			
List maintained by state or tribal environmental agency of hazardous waste sites identified for investigation or remediation that is the state or tribal agency equivalent to NPL - within approximately 1.0 mile (1.6 km)?			☒ Yes ☐ No
List maintained by state or tribal environmental agency of sites identified for investigation or remediation that is the state or tribal equivalent to *CERCLIS* - within 0.5 mile (0.8 km)?			☒ Yes ☐ No
State or tribal Solid Waste/Landfill Facilities - within 0.5 mile (0.8 km)?			☒ Yes ☐ No
State or tribal Leaking Underground Storage Tank (LUST) List - within 0.5 mile (0.8 km)?			☒ Yes ☐ No
State or tribal Registered Underground Storage Tank List - property and adjoining properties?			☐ Yes ☒ No
State or tribal *Institutional Controls/Engineering Controls* - property only?			☐ Yes ☒ No
State or tribal Voluntary Cleanup Sites - within 0.5 mile (0.8 km)?			☐ Yes ☒ No
State or tribal Brownfield Sites - within 0.5 mile (0.8 km)?			☐ Yes ☒ No
23. Based upon a review *of fire insurance maps, local street directories* or consultation with the local fire department serving the *property,* all as specified in the guide, are any buildings or other improvements on the *property* or on an *adjoining property* identified as having been used for an industrial use or uses likely to lead to contamination of the *property?*			☒ Yes ☐ No ☐ Not Applicable

SECTION 3 • COMMENTS/RECOMMENDATIONS

TRANSACTION SCREEN PROCESS QUESTIONNAIRE
(ASTM E1528-06)

SECTION 4 • CERTIFICATION
The preparer of the transaction screen questionnaire must complete and sign the following statement.

This questionnaire was completed by:

Name: Jeremy Hassett

Title: Environmental Specialist

Firm: Whitestone Associates, Inc.

Address: 35 Technology Drive, Warren, New Jersey 07059

Phone Number: 908.668.7777 ✦ Fax 908.754.5936

Date: March 5, 2012

The Owner questionnaire answers were provided by:

Name: Stephen Offerman

Title: Site Owner

Firm: Amsterdam Color Works, Inc.

Address: 3326 Merritt Avenue, Bronx, New York 10475

Phone Number: 718-828-8000

Date: March 30, 2012

The Occupant questionnaire answers were provided by:

Name:

Title:

Firm:

Address:

Phone Number:

Date:

If the preparer is different than the user, complete the following:

Name of User: Stillwell Storage, LLC c/o The Hampshire Companies

User's Address: 10 Dehart Street

Morristown, New Jersey 07960

User's Phone Number: (973) 734-4246

Preparer's Relationship to Site:

Preparer's Relationship to User: Consultant

TRANSACTION SCREEN PROCESS QUESTIONNAIRE
(ASTM E1528-06)

Copies of the completed questionnaire have been filed at:	Copies of the completed questionnaire have been mailed or delivered to:

Preparer represents that to the best of the preparer's knowledge that the above statements and facts are true and correct and to the best of the preparer's actual knowledge, no material facts have been suppressed or misstated.

Signature Jeremy M. Hassett Date: 3/5/12

Signature Jeremy M. Hassett Date: 3/30/12

Signature _____ Date: _____

APPENDIX 8
Inspector Qualifications

WHITESTONE ASSOCIATES, INC.
ENVIRONMENTAL & GEOTECHNICAL ENGINEERS & CONSULTANTS

Resume

Areas of Expertise:

- Environmental Regulatory Compliance
- Phase I Environmental Site Assessments (ESAs)
- Phase II Site Investigations (SIs)
- Sampling Program Design and Implementation
- Asbestos Containing Materials (ACM) Surveys
- Lead Based Paint (LBP) Evaluations
- Wetland and Floodplain Evaluations
- Threatened and Endangered Species Evaluations
- Data Collection and Assessment
- Report Generation
- Cost Estimating
- Permitting
- Soil/Sediment/Groundwater Remediation
- Remedial Oversight
- Underground Storage Tank (UST) Closure
- New Jersey ISRA Projects
- Brownfields Redevelopment

Education:

B.S., Environmental Science, Rutgers the State University of New Jersey, Cook College, 1999

Years of Experience:

Whitestone: 12
Other: 1
Internship: NJDEP Site Remediation Branch

Licenses/Certifications:

- NJDEP LSRP Certification No. 511056
- NJDEP UHOT Certification
- Licensed to Conduct UST Closure in Accordance with N.J.S.A. 58:10A-24.1-8

Special Training:

- 40 Hr. OSHA HAZWOPER with Annual Updates

Professional Memberships:

- The Environmental Business Council of the Commerce and Industry Association of NJ
- Indoor Air Quality Association
- Licensed Site Remediation Professionals Association

CHRISTOPHER SEIB, LSRP

Director, Environmental Division

Mr. Seib has held a series of progressively responsible positions at Whitestone. He currently oversees all environmental services in Whitestone's New Jersey office including Phase I Environmental Site Assessments (ESAs), Phase II Site Investigations (SIs), and Phase III Remediation projects. Mr. Seib is responsible for supervising environmental activities including data collection and assessment, report generation, regulatory and client contact, and budgeting.

Prior to joining Whitestone in 2000, Mr. Seib was an Associate Environmental Scientist for Killiam Associates' Waste Management Division. Mr. Seib also gained valuable New Jersey Department of Environmental Protection (NJDEP) experience as a regulatory compliance intern in the Department's Site Remediation Branch.

Representative Experience:

- Managing SI projects including soil and groundwater investigations for commercial and industrial properties throughout the northeast. Managing projects subject to New Jersey's *Industrial Site Recovery Act* (ISRA).
- Managing ISRA, underground storage tank (UST), and remedial actions as a Licensed Site Remediation Professional (LSRP) in New Jersey and successfully issuing Response Action Outcomes (RAOs).
- Successfully completed NJDEP Unregulated Heating Oil Tank (UHOT) projects and received No Further Action (NFA) determinations.
- Conducted remedial investigations and prepared submittals to NJDEP associated with the evaluation and proposal of natural background conditions for on-site metals concentrations at several sites in New Jersey. Ultimately obtained NFA/RAO determinations.
- Implemented and executed remedial investigations and actions and completed NJDEP reporting associated with the blending and capping of over 100,000 cubic yards of arsenic contaminated soils; closure of a 550 gallon gasoline UST; and remediation of contaminated soil at a former agricultural/orchard site in Hamilton, New Jersey.
- Responsible for overseeing UST closure soil and groundwater investigations and remediation at numerous retail sites in New Jersey. Managed Brownfields approval and associated NJDEP reporting activities.
- Responsible for conducting and managing preliminary assessment, site/remedial investigation, and remedial action activities (including the use of engineering and institutional controls) associated with multiple Areas of Concern (AOCs) at numerous redevelopment sites in New Jersey. Prepared NJDEP submittals and obtained NFA/RAO determinations.
- Conducted and managed on-going groundwater investigations for chlorinated volatile organics (CVO) at sites in New Jersey.
- Conducting and managing the removal of multiple USTs; the evaluation, clean-out, and closure of multiple drywells/septic components; and contaminated soil and groundwater investigation and remediation in accordance with New York State Department of Environmental Conservation (NYSDEC) and Suffolk County Department of Health Services (SCDHS) regulations throughout New York.
- Conducted and managed Phase I ESAs and supervised USEPA-AHERA compliant ACM surveys for Whitestone clients at sites in New Jersey, New York, Pennsylvania, Connecticut, Massachusetts, and Delaware.
- Supervised the closure of a leaking 5,000 gallon, #2 heating oil UST and subsequently performed contaminated groundwater delineation, contaminated soil management, product recovery, and site remediation actions at a former supermarket site in Brooklyn, New York.
- Oversaw and coordinated wetland and flood plain evaluations and permitting requirements to allow for the installation of engineering controls (caps) at a site impacted by contaminated historic fill material in Carlstadt, New Jersey.
- Assisted NJDEP Case Managers in the assessment of SI and Remedial Action Reports during internship.

WHITESTONE ASSOCIATES, INC.

Resume

Areas of Expertise:

- Asbestos Inspection and Abatement
- Lead Inspection and Abatement
- Indoor Air Quality Inspection and Abatement
- Due Diligence Investigations
- Multi-Media Sampling and Analyses
- Data Collection and Assessment
- Report Generation
- Remedial Project Design and Management
- Cost Estimating
- Environmental Regulatory Compliance

Education:

B.S., Geochemistry, State University of New York at Oswego

Years of Experience:

Whitestone: 2
Other: 9

Asbestos Certifications:

- NYCDEP Investigator
- New York State DOL Inspector
- EPA/AHERA Building Inspector
- Connecticut Building Inspector
- Pennsylvania Inspector
- Philadelphia DOH Investigator
- Virginia Inspector

Lead Certifications:

- EPA New York Risk Assessor/Inspector
- New Jersey Risk Assessor/Inspector

Additional Accreditations:

- EPA New York Risk Assessor/Inspector
- New Jersey Risk Assessor/Inspector

Special Training:

- 40 Hour OSHA HAZWOPER with Annual Updates
- AHERA Project Monitor Course
- Air Sampling Technician Course
- IAQ Workshops

JEREMY M. HASSETT

Asbestos Program Manager, Environmental Division

Mr. Hassett has 11 years of experience in environmental investigation, design, and remediation. He is a specialist in asbestos, lead, and indoor air quality inspection and abatement. Mr. Hassett is a certified EPA/AHERA asbestos building inspector and maintains active asbestos inspector certifications in New York State, New York City, Connecticut, Pennsylvania, the City of Philadelphia, and Virginia. He also is a certified lead risk assessor/inspector in New York and New Jersey.

Mr. Hassett is skilled in all aspects of remedial project design and management. He is a qualified chemist with extensive experience in the collection and analyses of air, water, soil, and solid samples. His primary experience includes hazardous material investigations; air quality studies; environmental site assessments; detailed site investigations with multi-media sampling; asbestos, lead, and mold abatement projects; impacted soil and groundwater remedial actions; and ongoing monitoring programs.

Mr. Hassett has worked extensively throughout Whitestone's service region and has an in-depth knowledge of applicable compliance requirements and city/state/federal regulations. Prior to joining Whitestone, he was a senior environmental and asbestos project manager at EAI, Inc.

Representative Experience:

- Perform asbestos building inspections, lead risk assessments, lead inspections, and indoor air quality studies. Conduct air sampling for asbestos, lead, mold/fungi, VOCs, SVOCs, and other indoor/outdoor air contaminants. Analyze results and prepare summary reports of finding. Design remedial action workplans, prepare bid specifications, oversee abatement projects, conduct clearance testing, and prepare final close-out reports.

- Perform Phase I ESAs and transaction screenings. Design and implement Phase II site investigations. Conduct multi-media sampling (soil, sediment, sludge, water, etc.). Evaluate results and prepared detailed reports of findings.

- Design and implement multi-media sampling programs and remedial action workplans.

- Prepared bid specifications, solicited bids from qualified contractors, made recommendations for award, and managed a wide range of asbestos abatement, lead abatement, mold remediation, and environmental remediation projects.

- Managed environmental testing operations in Upstate Lab Inc.'s northern New Jersey and New York City region. Met with clients to discuss and implement necessary regulatory testing plans; collected wastewater, groundwater, soil, sludge, and miscellaneous materials for lab analyses; prepared samples for shipment to the company's laboratory in Syracuse, New York; completed required chain-of-custody and shipping documentation; and reviewed analytical results with clients. Also maintained the region's equipment/supply inventory and ensured compliance to established QA/QC requirements for sample collection, handling, analyses, and reporting.

- Analyzed water, soil, and solid samples in the wet chemistry department at a full-service environment testing laboratory. Worked as Wet Chemist responsible for standardizing and dilutions of samples and references for tests; planning and implementation of new analytical testing solutions; and training chemists to operate equipment and conduct materials testing.

STATE OF NEW YORK - DEPARTMENT OF LABOR

ASBESTOS CERTIFICATE

JEREMY M HASSETT
CLASS(EXPIRES)
D INSP(03/12) I PD (03/12)

CERT# 02-11519
DMV# 163159809

MUST BE CARRIED ON ASBESTOS PROJECTS

EYES BRO
HAIR BRO
HGT 6' 01"

IF FOUND RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

NYC DEP Asbestos Control Program
Asbestos Certificate

HASSETT,
JEREMY M
INVESTIGATOR
117558
EXPIRES: 3/12/2012
DOB:3/12/1976 M 6' 01"

Must be carried on all asbestos projects

DMV ID: 163 159 309

This certificate must be shown to a NYCDEP representative upon request. Report loss immediately to NYCDEP Asbestos Control Program, 8th floor 59-17 Junction Blvd., Flushing, NY 11373

34378

National Asbestos & Environmental Training Institute

CERTIFICATE OF COMPLETION

AHERA/EPA Accredited Per 40 CFR Part 763
Asbestos Accreditation under TSCA Title II

This is to certify that

Jeremy Hassett

Successfully completed the course entitled

1/2-Day New York State/EPA/AHERA Asbestos Building Inspector Annual Refresher on November 14, 2011

Examination Passed November 14, 2011 *Expiration Date on November 14, 2012*

Doris L. Adler
President, NAETI

Per 10 NYCRR Part 73.2 (L) (1), DOH 2832 Certificate of Completion of Asbestos Safety Training is the only official record of training for N.Y.S. students.

Language: English ABIH 1/2 CM POINT

3321 Doris Avenue, Building B, Ocean, NJ 07712 **Phone (732) 531-5571** **Fax (732) 531-5956** **www.naeti.com**

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APPENDIX 9
Asbestos Survey
Laboratory Data Summary
and Laboratory Certification

AmeriSci New York
117 EAST 30TH ST.
NEW YORK, NY 10016
TEL: (212) 679-8600 • FAX: (212) 679-3114

PLM Bulk Asbestos Report

Whitestone Associates, Inc.
Attn: Jeremy Hassett
1600 Manor Drive
Suite 220
Chalfont, PA 18914

Date Received 03/07/12 **AmeriSci Job #** 212031796
Date Examined 03/12/12 **P.O. #**
ELAP # 11480 **Page** 1 **of** 17
RE: EJ1111829.001; Metro Storage NY, LLC; Proposed Self - Storage Facility; 1538 & 1546 Stillwell Avenue, Bronx, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
B-001 01	212031796-01 **Location:** Scattered Throughout, Sheetrock	***No***	NAD (by NYS ELAP 198.1) by Tara L. Fisher on 03/12/12
Analyst Description: White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 95 %, Non-fibrous 5 %			
B-002 01	212031796-02 **Location:** Scattered Throughout, Sheetrock	***No***	NAD (by NYS ELAP 198.1) by Tara L. Fisher on 03/12/12
Analyst Description: Grey, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 3 %, Non-fibrous 97 %			
B-003 01	212031796-03 **Location:** Scattered Throughout, Sheetrock	***No***	NAD (by NYS ELAP 198.1) by Tara L. Fisher on 03/12/12
Analyst Description: Grey, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 3 %, Non-fibrous 97 %			
B-004 02	212031796-04 **Location:** 2nd Floor Restrooms, Grout To Ceramic Wall Tile	***No***	NAD (by NYS ELAP 198.1) by Tara L. Fisher on 03/12/12
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
B-005 02	212031796-05 **Location:** 2nd Floor Restrooms, Grout To Ceramic Wall Tile	***No***	NAD (by NYS ELAP 198.1) by Tara L. Fisher on 03/12/12
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

EJ1111829.001; Metro Storage NY, LLC; Proposed Self - Storage Facility; 1538 & 1546 Stillwell Avenue, Bronx, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
B-006 02	212031796-06 **Location:** 2nd Floor Restrooms, Grout To Ceramic Wall Tile	***No***	NAD (by NYS ELAP 198.1) by Tara L. Fisher on 03/12/12
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
B-007 03	212031796-07 **Location:** 2nd Floor Restrooms, Mastic To Ceramic Wall Tile	***No***	NAD (by NYS ELAP 198.1) by Tara L. Fisher on 03/12/12
Analyst Description: Yellow, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
B-008 03	212031796-08 **Location:** 2nd Floor Restrooms, Mastic To Ceramic Wall Tile	***No***	NAD (by NYS ELAP 198.6) by Tara L. Fisher on 03/12/12
Analyst Description: Yellow, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 35.8 %			
B-009 03	212031796-09 **Location:** 2nd Floor Restrooms, Mastic To Ceramic Wall Tile	***No***	NAD (by NYS ELAP 198.6) by Tara L. Fisher on 03/12/12
Analyst Description: Yellow, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 34.9 %			
B-010 04	212031796-10 **Location:** Wall Near ASTs, White Fire Brick (Gold Bond)	***No***	NAD (by NYS ELAP 198.1) by Tara L. Fisher on 03/12/12
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
B-011 04	212031796-11 **Location:** Wall Near ASTs, White Fire Brick (Gold Bond)	***No***	NAD (by NYS ELAP 198.1) by Tara L. Fisher on 03/12/12
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

EJ1111829.001; Metro Storage NY, LLC; Proposed Self - Storage Facility; 1538 & 1546 Stillwell Avenue, Bronx, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
B-012 04	212031796-12 **Location:** Wall Near ASTs, White Fire Brick (Gold Bond)	***No***	NAD (by NYS ELAP 198.1) by Tara L. Fisher on 03/12/12
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
B-013 05	212031796-13 **Location:** 2nd Floor Rear (Bassett), Brown Vinyl Baseboard Molding	***No***	NAD (by NYS ELAP 198.6) by Tara L. Fisher on 03/12/12
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 1.9 %			
B-014 05	212031796-14 **Location:** 2nd Floor Rear (Bassett), Brown Vinyl Baseboard Molding	***No***	NAD (by NYS ELAP 198.6) by Tara L. Fisher on 03/12/12
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 1.2 %			
B-015 05	212031796-15 **Location:** 2nd Floor Rear (Bassett), Brown Vinyl Baseboard Molding	***No***	NAD (by NYS ELAP 198.1) by Tara L. Fisher on 03/12/12
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
B-016 06	212031796-16 **Location:** 2nd Floor Rear (Bassett), Mastic To Brown Vinyl Baseboard	***No***	NAD (by NYS ELAP 198.6) by Tara L. Fisher on 03/12/12
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 3.8 %			
B-017 06	212031796-17 **Location:** 2nd Floor Rear (Bassett), Mastic To Brown Vinyl Baseboard	***No***	NAD (by NYS ELAP 198.6) by Tara L. Fisher on 03/12/12
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 3.3 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

EJ1111829.001; Metro Storage NY, LLC; Proposed Self - Storage Facility; 1538 & 1546 Stillwell Avenue, Bronx, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
B-018 06	212031796-18 **Location:** 2nd Floor Rear (Bassett), Mastic To Brown Vinyl Baseboard	***No***	NAD (by NYS ELAP 198.1) by Tara L. Fisher on 03/12/12
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
B-019 07	212031796-19 **Location:** 2nd Floor Rear (Bassett), Remnant Floor Mastic	***No***	NAD (by NYS ELAP 198.1) by Tara L. Fisher on 03/12/12
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
B-020 07	212031796-20 **Location:** 2nd Floor Rear (Bassett), Remnant Floor Mastic	***No***	NAD (by NYS ELAP 198.6) by Tara L. Fisher on 03/12/12
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 6.3 %			
B-021 07	212031796-21 **Location:** 2nd Floor Rear (Bassett), Remnant Floor Mastic	***No***	NAD (by NYS ELAP 198.6) by Tara L. Fisher on 03/12/12
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 4.9 %			
B-022 08	212031796-22 **Location:** 2nd Floor Rear (Bassett), Remnant Floor Leveling Compound	***No***	NAD (by NYS ELAP 198.1) by Tara L. Fisher on 03/12/12
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
B-023 08	212031796-23 **Location:** 2nd Floor Rear (Bassett), Remnant Floor Leveling Compound	***No***	NAD (by NYS ELAP 198.1) by Tara L. Fisher on 03/12/12
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

EJ1111829.001; Metro Storage NY, LLC; Proposed Self - Storage Facility; 1538 & 1546 Stillwell Avenue, Bronx, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
B-024 08	212031796-24 **Location:** 2nd Floor Rear (Bassett), Remnant Floor Leveling Compound	***No***	NAD (by NYS ELAP 198.1) by Tara L. Fisher on 03/12/12
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
B-025 09	212031796-25 **Location:** Throughout, Mortar To Cinderblock	***No***	NAD (by NYS ELAP 198.1) by Tara L. Fisher on 03/12/12
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
B-026 09	212031796-26 **Location:** Throughout, Mortar To Cinderblock	***No***	NAD (by NYS ELAP 198.1) by Tara L. Fisher on 03/12/12
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
B-027 09	212031796-27 **Location:** Throughout, Mortar To Cinderblock	***No***	NAD (by NYS ELAP 198.1) by Tara L. Fisher on 03/12/12
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
B-028 10	212031796-28 **Location:** Throughout, Mortar To Brick	***No***	NAD (by NYS ELAP 198.1) by Tara L. Fisher on 03/12/12
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
B-029 10	212031796-29 **Location:** Throughout, Mortar To Brick	***No***	NAD (by NYS ELAP 198.1) by Tara L. Fisher on 03/12/12
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

EJ1111829.001; Metro Storage NY, LLC; Proposed Self - Storage Facility; 1538 & 1546 Stillwell Avenue, Bronx, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
B-030 10	212031796-30 **Location:** Throughout, Mortar To Brick	***No***	NAD (by NYS ELAP 198.1) by Tara L. Fisher on 03/12/12
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
B-031 11	212031796-31 **Location:** Throughout, Mortar To Stone	***No***	NAD (by NYS ELAP 198.1) by Tara L. Fisher on 03/12/12
Analyst Description: Grey/Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
B-032 11	212031796-32 **Location:** Throughout, Mortar To Stone	***No***	NAD (by NYS ELAP 198.1) by Tara L. Fisher on 03/12/12
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
B-033 11	212031796-33 **Location:** Throughout, Mortar To Stone	***No***	NAD (by NYS ELAP 198.1) by Tara L. Fisher on 03/12/12
Analyst Description: Grey/Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
B-034 12	212031796-34 **Location:** 2nd Floor Restrooms, Grout To Ceramic Floor Tile	***No***	NAD (by NYS ELAP 198.1) by Tara L. Fisher on 03/12/12
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
B-035 12	212031796-35 **Location:** 2nd Floor Restrooms, Grout To Ceramic Floor Tile	***No***	NAD (by NYS ELAP 198.1) by Tara L. Fisher on 03/12/12
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

EJ1111829.001; Metro Storage NY, LLC; Proposed Self - Storage Facility; 1538 & 1546 Stillwell Avenue, Bronx, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
B-036 12	212031796-36 **Location:** 2nd Floor Restrooms, Grout To Ceramic Floor Tile	***No***	NAD (by NYS ELAP 198.1) by Tara L. Fisher on 03/12/12
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
B-037 13	212031796-37 **Location:** 2nd Floor Front Offices (Stillwell), 12"x12" White Floor Tile	***No***	NAD (by NYS ELAP 198.6) by Tara L. Fisher on 03/12/12
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 1.8 %			
B-038 13	212031796-38 **Location:** 2nd Floor Front Offices (Stillwell), 12"x12" White Floor Tile	***No***	NAD (by NYS ELAP 198.6) by Tara L. Fisher on 03/12/12
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 1.3 %			
B-039 13	212031796-39 **Location:** 2nd Floor Front Offices (Stillwell), 12"x12" White Floor Tile	***No***	NAD (by NYS ELAP 198.1) by Tara L. Fisher on 03/12/12
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
B-040 14	212031796-40 **Location:** 2nd Floor Front Offices (Stillwell), 12"x12" Pink Floor Tile	***No***	NAD (by NYS ELAP 198.6) by Tara L. Fisher on 03/12/12
Analyst Description: Pink, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 2.9 %			
B-041 14	212031796-41 **Location:** 2nd Floor Front Offices (Stillwell), 12"x12" Pink Floor Tile	***No***	NAD (by NYS ELAP 198.6) by Tara L. Fisher on 03/12/12
Analyst Description: Pink, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 2.9 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

EJ1111829.001; Metro Storage NY, LLC; Proposed Self - Storage Facility; 1538 & 1546 Stillwell Avenue, Bronx, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
B-042 14	212031796-42 **Location:** 2nd Floor Front Offices (Stillwell), 12"x12" Pink Floor Tile	***No***	NAD (by NYS ELAP 198.1) by Tara L. Fisher on 03/12/12
Analyst Description: Pink, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
B-043 15	212031796-43 **Location:** 2nd Floor Front Offices (Stillwell), Mastic To 12"x12" White & Pink Floor Tiles	***No***	NAD (by NYS ELAP 198.1) by Tara L. Fisher on 03/12/12
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
B-044 15	212031796-44 **Location:** 2nd Floor Front Offices (Stillwell), Mastic To 12"x12" White & Pink Floor Tiles	***No***	NAD (by NYS ELAP 198.6) by Tara L. Fisher on 03/12/12
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 2.4 %			
B-045 15	212031796-45 **Location:** 2nd Floor Front Offices (Stillwell), Mastic To 12"x12" White & Pink Floor Tiles	***No***	NAD (by NYS ELAP 198.6) by Tara L. Fisher on 03/12/12
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 2 %			
B-046 16	212031796-46 **Location:** 2nd Floor Front Offices (Stillwell), Bottom Layer Tan Floor Tile	***Yes***	7.9 % (by NYS ELAP 198.6) by Tara L. Fisher on 03/12/12
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile 7.9 % **Other Material:** Non-fibrous 49.2 %			
B-047 16	212031796-47 **Location:** 2nd Floor Front Offices (Stillwell), Bottom Layer Tan Floor Tile		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			

See Reporting notes on last page

PLM Bulk Asbestos Report

EJ1111829.001; Metro Storage NY, LLC; Proposed Self - Storage Facility; 1538 & 1546 Stillwell Avenue, Bronx, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
B-048 16	212031796-48 **Location:** 2nd Floor Front Offices (Stillwell), Bottom Layer Tan Floor Tile		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
B-049 17	212031796-49 **Location:** 2nd Floor Front Offices (Stillwell), Bottom - Layer Brown Floor Tile	***Yes***	3.3 % (by NYS ELAP 198.6) by Tara L. Fisher on 03/12/12
Analyst Description: Black/Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile 3.3 % **Other Material:** Non-fibrous 30 %			
B-050 17	212031796-50 **Location:** 2nd Floor Front Offices (Stillwell), Bottom - Layer Brown Floor Tile		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
B-051 17	212031796-51 **Location:** 2nd Floor Front Offices (Stillwell), Bottom - Layer Brown Floor Tile		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
B-052 18	212031796-52 **Location:** 2nd Floor Front Offices (Stillwell), Mastic To Bottom Tan & Brown Floor Tiles	***Yes***	Trace (<0.25 % pc) (ELAP 198.1; 400pc) by Tara L. Fisher on 03/12/12
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile <0.25 % pc **Other Material:** Non-fibrous 100 %			
B-053 18	212031796-53 **Location:** 2nd Floor Front Offices (Stillwell), Mastic To Bottom Tan & Brown Floor Tiles	***Yes***	Trace (<0.25 % pc) (ELAP 198.6; 400pc) by Tara L. Fisher on 03/12/12
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile <0.25 % pc **Other Material:** Non-fibrous 24 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

EJ1111829.001; Metro Storage NY, LLC; Proposed Self - Storage Facility; 1538 & 1546 Stillwell Avenue, Bronx, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
B-054 18	212031796-54 **Location:** 2nd Floor Front Offices (Stillwell), Mastic To Bottom Tan & Brown Floor Tiles	***Yes***	Trace (<0.25 % pc) (ELAP 198.6; 400pc) by Tara L. Fisher on 03/12/12
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile <0.25 % pc **Other Material:** Non-fibrous 8 %			
B-055 19	212031796-55 **Location:** Scattered Throughout, Braided Wall Electrical Wire	***No***	NAD (by NYS ELAP 198.6) by Tara L. Fisher on 03/12/12
Analyst Description: Green, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 47.7 %			
B-056 19	212031796-56 **Location:** Scattered Throughout, Braided Wall Electrical Wire	***No***	NAD (by NYS ELAP 198.6) by Tara L. Fisher on 03/12/12
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 44.8 %			
B-057 19	212031796-57 **Location:** Scattered Throughout, Braided Wall Electrical Wire	***No***	NAD (by NYS ELAP 198.1) by Tara L. Fisher on 03/12/12
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
B-058 20	212031796-58 **Location:** Scattered Throughout, Braided Light Wire Insulation	***Yes***	17.6 % (by NYS ELAP 198.6) by Tara L. Fisher on 03/12/12
Analyst Description: Green, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile 17.6 % **Other Material:** Non-fibrous 52.8 %			
B-059 20	212031796-59 **Location:** Scattered Throughout, Braided Light Wire Insulation		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			

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PLM Bulk Asbestos Report

EJ1111829.001; Metro Storage NY, LLC; Proposed Self - Storage Facility; 1538 & 1546 Stillwell Avenue, Bronx, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
B-060 20	212031796-60 **Location:** Scattered Throughout, Braided Light Wire Insulation		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
B-061 21	212031796-61 **Location:** Throughout, Window Glaze	***No***	NAD (by NYS ELAP 198.1) by Tara L. Fisher on 03/12/12
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
B-062 21	212031796-62 **Location:** Throughout, Window Glaze	***No***	NAD (by NYS ELAP 198.6) by Tara L. Fisher on 03/12/12
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 8.1 %			
B-063 21	212031796-63 **Location:** Throughout, Window Glaze	***No***	NAD (by NYS ELAP 198.6) by Tara L. Fisher on 03/12/12
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 11.3 %			
B-064 22	212031796-64 **Location:** 2nd Floor Front Utility Room, Corrugated Pipe Insulation	***Yes***	44.4 % (by NYS ELAP 198.1) by Tara L. Fisher on 03/12/12
Analyst Description: Grey/Tan, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** Chrysotile 44.4 % **Other Material:** Cellulose 50 %, Non-fibrous 5.6 %			
B-065 22	212031796-65 **Location:** 2nd Floor Front Utility Room, Corrugated Pipe Insulation		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			

See Reporting notes on last page

PLM Bulk Asbestos Report

EJ1111829.001; Metro Storage NY, LLC; Proposed Self - Storage Facility; 1538 & 1546 Stillwell Avenue, Bronx, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
B-066 22	212031796-66 **Location:** 2nd Floor Front Utility Room, Corrugated Pipe Insulation **Analyst Description:** Bulk Material **Asbestos Types:** **Other Material:**		NA/PS
B-067 23	212031796-67 **Location:** 2nd Floor Front Utility Room, Paper Pipe Wrap **Analyst Description:** Black/Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 3.9 %	***No***	NAD (by NYS ELAP 198.6) by Tara L. Fisher on 03/12/12
B-068 23	212031796-68 **Location:** 2nd Floor Front Utility Room, Paper Pipe Wrap **Analyst Description:** Black/Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 16.2 %	***No***	NAD (by NYS ELAP 198.6) by Tara L. Fisher on 03/12/12
B-069 23	212031796-69 **Location:** 2nd Floor Front Utility Room, Paper Pipe Wrap **Analyst Description:** Black/Brown, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 50 %, Non-fibrous 50 %	***No***	NAD (by NYS ELAP 198.1) by Tara L. Fisher on 03/12/12
B-070 24	212031796-70 **Location:** 2nd Floor Office Areas, Wall Plaster Finish Coat **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %	***No***	NAD (by NYS ELAP 198.1) by Tara L. Fisher on 03/12/12
B-071 24	212031796-71 **Location:** 2nd Floor Office Areas, Wall Plaster Finish Coat **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %	***No***	NAD (by NYS ELAP 198.1) by Tara L. Fisher on 03/12/12

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PLM Bulk Asbestos Report

EJ1111829.001; Metro Storage NY, LLC; Proposed Self - Storage Facility; 1538 & 1546 Stillwell Avenue, Bronx, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
B-072 24	212031796-72 **Location:** 2nd Floor Office Areas, Wall Plaster Finish Coat	***No***	NAD (by NYS ELAP 198.1) by Tara L. Fisher on 03/12/12
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
B-073 25	212031796-73 **Location:** 2nd Floor Office Areas, Wall Plaster Finish Coat	***No***	NAD (by NYS ELAP 198.1) by Tara L. Fisher on 03/12/12
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
B-074 25	212031796-74 **Location:** 2nd Floor Office Areas, Wall Plaster Finish Coat	***No***	NAD (by NYS ELAP 198.1) by Tara L. Fisher on 03/12/12
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
B-075 25	212031796-75 **Location:** 2nd Floor Office Areas, Wall Plaster Scatch Coat	***No***	NAD (by NYS ELAP 198.1) by Tara L. Fisher on 03/12/12
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
B-076 25	212031796-76 **Location:** 2nd Floor Office Areas, Wall Plaster Scatch Coat	***No***	NAD (by NYS ELAP 198.1) by Tara L. Fisher on 03/12/12
Analyst Description: Brown, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
B-077 25	212031796-77 **Location:** 2nd Floor Office Areas, Wall Plaster Scatch Coat	***No***	NAD (by NYS ELAP 198.1) by Tara L. Fisher on 03/12/12
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			

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PLM Bulk Asbestos Report

EJ1111829.001; Metro Storage NY, LLC; Proposed Self - Storage Facility; 1538 & 1546 Stillwell Avenue, Bronx, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
B-078 25	212031796-78 **Location:** 2nd Floor Office Areas, Wall Plaster Scatch Coat	***No***	NAD (by NYS ELAP 198.1) by Tara L. Fisher on 03/12/12
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
B-079 25	212031796-79 **Location:** 2nd Floor Office Areas, Wall Plaster Scatch Coat	***No***	NAD (by NYS ELAP 198.1) by Tara L. Fisher on 03/12/12
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
B-080 26	212031796-80 **Location:** Roof Levels, Miscellaneous Tar	***Yes***	6.1 % (by NYS ELAP 198.6) by Tara L. Fisher on 03/12/12
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile 6.1 % **Other Material:** Non-fibrous 16.7 %			
B-081 26	212031796-81 **Location:** Roof Levels, Miscellaneous Tar		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
B-082 26	212031796-82 **Location:** Roof Levels, Miscellaneous Tar		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
B-083 26	212031796-83 **Location:** Roof Levels, Miscellaneous Tar		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			

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PLM Bulk Asbestos Report

EJ1111829.001; Metro Storage NY, LLC; Proposed Self - Storage Facility; 1538 & 1546 Stillwell Avenue, Bronx, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
B-084 26	212031796-84 **Location:** Roof Levels, Miscellaneous Tar		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
B-085 27	212031796-85 **Location:** Roof Levels, Roofing Material	***Yes***	3.1 % (by NYS ELAP 198.6) by Tara L. Fisher on 03/12/12
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile 3.1 % **Other Material:** Non-fibrous 17 %			
B-086 27	212031796-86 **Location:** Roof Levels, Roofing Material		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
B-087 27	212031796-87 **Location:** Roof Levels, Roofing Material		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
B-088 27	212031796-88 **Location:** Roof Levels, Roofing Material		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
B-089 28	212031796-89 **Location:** Roof Levels, Flashing Material	***Yes***	8.9 % (by NYS ELAP 198.1) by Tara L. Fisher on 03/12/12
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile 8.9 % **Other Material:** Non-fibrous 91.1 %			

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PLM Bulk Asbestos Report

EJ1111829.001; Metro Storage NY, LLC; Proposed Self - Storage Facility; 1538 & 1546 Stillwell Avenue, Bronx, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
B-090 28	212031796-90 **Location:** Roof Levels, Flashing Material		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
B-091 28	212031796-91 **Location:** Roof Levels, Flashing Material		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
B-092 28	212031796-92 **Location:** Roof Levels, Flashing Material		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
B-093 29	212031796-93 **Location:** Roof Levels, Coping Stone Caulk	***Yes***	7.5 % (ELAP 198.1; 400pc) by Tara L. Fisher on 03/12/12
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile 7.5 % **Other Material:** Non-fibrous 92.5 %			
B-094 29	212031796-94 **Location:** Roof Levels, Coping Stone Caulk		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
B-095 29	212031796-95 **Location:** Roof Levels, Coping Stone Caulk		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			

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PLM Bulk Asbestos Report

EJ1111829.001; Metro Storage NY, LLC; Proposed Self - Storage Facility; 1538 & 1546 Stillwell Avenue, Bronx, New York

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Reporting Notes:

Analyzed by: Tara L. Fisher Tara Fisher

*NAD/NSD =no asbestos detected; NA =not analyzed; NA/PS=not analyzed/positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200546-0), ELAP PLM Method 198.1 for NY friable samples or 198.6 for NOB samples (NY ELAP Lab ID11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab.This PLM report relates ONLY to the items tested. AIHA Lab #102843, RI Cert#AAL-094, CT Cert#PH-0186, Mass Cert#AA000054.

Reviewed By:_____ _____END OF REPORT_____

Table I
Summary of Bulk Asbestos Analysis Results

EJ1111829.001; Metro Storage NY, LLC; Proposed Self - Storage Facility; 1538 & 1546 Stillwell Avenue, Bronx, New York

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	B-001	01	----	----	----	----	NAD	NA
Location:	Scattered Throughout, Sheetrock							
02	B-002	01	----	----	----	----	NAD	NA
Location:	Scattered Throughout, Sheetrock							
03	B-003	01	----	----	----	----	NAD	NA
Location:	Scattered Throughout, Sheetrock							
04	B-004	02	----	----	----	----	NAD	NA
Location:	2nd Floor Restrooms, Grout To Ceramic Wall Tile							
05	B-005	02	----	----	----	----	NAD	NA
Location:	2nd Floor Restrooms, Grout To Ceramic Wall Tile							
06	B-006	02	----	----	----	----	NAD	NA
Location:	2nd Floor Restrooms, Grout To Ceramic Wall Tile							
07	B-007	03	----	----	----	----	NAD	NA
Location:	2nd Floor Restrooms, Mastic To Ceramic Wall Tile							
08	B-008	03	0.307	34.9	29.3	35.8	NAD	NAD
Location:	2nd Floor Restrooms, Mastic To Ceramic Wall Tile							
09	B-009	03	0.269	35.7	29.4	34.9	NAD	NAD
Location:	2nd Floor Restrooms, Mastic To Ceramic Wall Tile							
10	B-010	04	----	----	----	----	NAD	NA
Location:	Wall Near ASTs, White Fire Brick (Gold Bond)							
11	B-011	04	----	----	----	----	NAD	NA
Location:	Wall Near ASTs, White Fire Brick (Gold Bond)							
12	B-012	04	----	----	----	----	NAD	NA
Location:	Wall Near ASTs, White Fire Brick (Gold Bond)							
13	B-013	05	0.264	24.6	73.5	1.9	NAD	NAD
Location:	2nd Floor Rear (Bassett), Brown Vinyl Baseboard Molding							
14	B-014	05	0.323	25.4	73.4	1.2	NAD	NAD
Location:	2nd Floor Rear (Bassett), Brown Vinyl Baseboard Molding							
15	B-015	05	----	----	----	----	NAD	NA
Location:	2nd Floor Rear (Bassett), Brown Vinyl Baseboard Molding							
16	B-016	06	0.052	61.5	34.6	3.8	NAD	NAD
Location:	2nd Floor Rear (Bassett), Mastic To Brown Vinyl Baseboard							

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Table I
Summary of Bulk Asbestos Analysis Results

EJ1111829.001; Metro Storage NY, LLC; Proposed Self - Storage Facility; 1538 & 1546 Stillwell Avenue, Bronx, New York

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
17	B-017	06	0.090	87.8	8.9	3.3	NAD	NAD
Location:	2nd Floor Rear (Bassett), Mastic To Brown Vinyl Baseboard							
18	B-018	06	----	----	----	----	NAD	NA
Location:	2nd Floor Rear (Bassett), Mastic To Brown Vinyl Baseboard							
19	B-019	07	----	----	----	----	NAD	NA
Location:	2nd Floor Rear (Bassett), Remnant Floor Mastic							
20	B-020	07	0.063	36.5	57.1	6.3	NAD	NAD
Location:	2nd Floor Rear (Bassett), Remnant Floor Mastic							
21	B-021	07	0.081	75.3	19.8	4.9	NAD	NAD
Location:	2nd Floor Rear (Bassett), Remnant Floor Mastic							
22	B-022	08	----	----	----	----	NAD	NA
Location:	2nd Floor Rear (Bassett), Remnant Floor Leveling Compound							
23	B-023	08	----	----	----	----	NAD	NA
Location:	2nd Floor Rear (Bassett), Remnant Floor Leveling Compound							
24	B-024	08	----	----	----	----	NAD	NA
Location:	2nd Floor Rear (Bassett), Remnant Floor Leveling Compound							
25	B-025	09	----	----	----	----	NAD	NA
Location:	Throughout, Mortar To Cinderblock							
26	B-026	09	----	----	----	----	NAD	NA
Location:	Throughout, Mortar To Cinderblock							
27	B-027	09	----	----	----	----	NAD	NA
Location:	Throughout, Mortar To Cinderblock							
28	B-028	10	----	----	----	----	NAD	NA
Location:	Throughout, Mortar To Brick							
29	B-029	10	----	----	----	----	NAD	NA
Location:	Throughout, Mortar To Brick							
30	B-030	10	----	----	----	----	NAD	NA
Location:	Throughout, Mortar To Brick							
31	B-031	11	----	----	----	----	NAD	NA
Location:	Throughout, Mortar To Stone							
32	B-032	11	----	----	----	----	NAD	NA
Location:	Throughout, Mortar To Stone							

See Reporting notes on last page

Table I
Summary of Bulk Asbestos Analysis Results
EJ1111829.001; Metro Storage NY, LLC; Proposed Self - Storage Facility; 1538 & 1546 Stillwell Avenue, Bronx, New York

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
33	B-033	11	----	----	----	----	NAD	NA
Location:	Throughout, Mortar To Stone							
34	B-034	12	----	----	----	----	NAD	NA
Location:	2nd Floor Restrooms, Grout To Ceramic Floor Tile							
35	B-035	12	----	----	----	----	NAD	NA
Location:	2nd Floor Restrooms, Grout To Ceramic Floor Tile							
36	B-036	12	----	----	----	----	NAD	NA
Location:	2nd Floor Restrooms, Grout To Ceramic Floor Tile							
37	B-037	13	0.342	16.1	82.2	1.8	NAD	NAD
Location:	2nd Floor Front Offices (Stillwell), 12"x12" White Floor Tile							
38	B-038	13	0.313	15.7	83.1	1.3	NAD	NAD
Location:	2nd Floor Front Offices (Stillwell), 12"x12" White Floor Tile							
39	B-039	13	----	----	----	----	NAD	NA
Location:	2nd Floor Front Offices (Stillwell), 12"x12" White Floor Tile							
40	B-040	14	0.273	15.0	82.1	2.9	NAD	NAD
Location:	2nd Floor Front Offices (Stillwell), 12"x12" Pink Floor Tile							
41	B-041	14	0.306	15.4	81.7	2.9	NAD	NAD
Location:	2nd Floor Front Offices (Stillwell), 12"x12" Pink Floor Tile							
42	B-042	14	----	----	----	----	NAD	NA
Location:	2nd Floor Front Offices (Stillwell), 12"x12" Pink Floor Tile							
43	B-043	15	----	----	----	----	NAD	NA
Location:	2nd Floor Front Offices (Stillwell), Mastic To 12"x12" White & Pink Floor Tiles							
44	B-044	15	0.127	88.2	9.4	2.4	NAD	NAD
Location:	2nd Floor Front Offices (Stillwell), Mastic To 12"x12" White & Pink Floor Tiles							
45	B-045	15	0.099	91.9	6.1	2.0	NAD	NAD
Location:	2nd Floor Front Offices (Stillwell), Mastic To 12"x12" White & Pink Floor Tiles							
46	B-046	16	0.326	35.0	8.0	49.2	Chrysotile 7.9	NA
Location:	2nd Floor Front Offices (Stillwell), Bottom Layer Tan Floor Tile							
47	B-047	16	0.188	34.6	10.6	54.8	NA/PS	NA
Location:	2nd Floor Front Offices (Stillwell), Bottom Layer Tan Floor Tile							
48	B-048	16	----	----	----	----	NA/PS	NA
Location:	2nd Floor Front Offices (Stillwell), Bottom Layer Tan Floor Tile							

See Reporting notes on last page

Table I
Summary of Bulk Asbestos Analysis Results
EJ1111829.001; Metro Storage NY, LLC; Proposed Self - Storage Facility; 1538 & 1546 Stillwell Avenue, Bronx, New York

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
49	B-049	17	0.234	45.3	21.4	30.0	Chrysotile 3.3	NA
Location:	2nd Floor Front Offices (Stillwell), Bottom - Layer Brown Floor Tile							
50	B-050	17	0.274	45.3	16.8	38.0	NA/PS	NA
Location:	2nd Floor Front Offices (Stillwell), Bottom - Layer Brown Floor Tile							
51	B-051	17	----	----	----	----	NA/PS	NA
Location:	2nd Floor Front Offices (Stillwell), Bottom - Layer Brown Floor Tile							
52	B-052		----	----	----	----	Chrysotile <0.25	NA
Location:	2nd Floor Front Offices (Stillwell), Mastic To Bottom Tan & Brown Floor Tiles							
53	B-053	18	0.104	70.2	5.8	22.1	Chrysotile <0.25	Chrysotile 1.9
Location:	2nd Floor Front Offices (Stillwell), Mastic To Bottom Tan & Brown Floor Tiles							
54	B-054	18	0.088	39.8	52.3	8.0	Chrysotile <0.25	NA/PS
Location:	2nd Floor Front Offices (Stillwell), Mastic To Bottom Tan & Brown Floor Tiles							
55	B-055	19	0.216	38.0	14.4	47.7	NAD	NAD
Location:	Scattered Throughout, Braided Wall Electrical Wire							
56	B-056	19	0.279	38.0	17.2	44.8	NAD	NAD
Location:	Scattered Throughout, Braided Wall Electrical Wire							
57	B-057	19	----	----	----	----	NAD	NA
Location:	Scattered Throughout, Braided Wall Electrical Wire							
58	B-058	20	0.250	24.4	5.2	52.8	Chrysotile 17.6	NA
Location:	Scattered Throughout, Braided Light Wire Insulation							
59	B-059	20	0.129	54.3	7.8	38.0	NA/PS	NA
Location:	Scattered Throughout, Braided Light Wire Insulation							
60	B-060	20	----	----	----	----	NA/PS	NA
Location:	Scattered Throughout, Braided Light Wire Insulation							
61	B-061	21	----	----	----	----	NAD	NA
Location:	Throughout, Window Glaze							
62	B-062	21	0.258	15.1	76.7	8.1	NAD	NAD
Location:	Throughout, Window Glaze							
63	B-063	21	0.282	15.6	73.0	11.3	NAD	NAD
Location:	Throughout, Window Glaze							
64	B-064	22	----	----	----	----	Chrysotile 44.4	NA
Location:	2nd Floor Front Utility Room, Corrugated Pipe Insulation							

See Reporting notes on last page

Table I
Summary of Bulk Asbestos Analysis Results
EJ1111829.001; Metro Storage NY, LLC; Proposed Self - Storage Facility; 1538 & 1546 Stillwell Avenue, Bronx, New York

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
65	B-065	22	----	----	----	----	NA/PS	NA
Location:	2nd Floor Front Utility Room, Corrugated Pipe Insulation							
66	B-066	22	----	----	----	----	NA/PS	NA
Location:	2nd Floor Front Utility Room, Corrugated Pipe Insulation							
67	B-067	23	0.256	94.9	1.2	3.9	NAD	NAD
Location:	2nd Floor Front Utility Room, Paper Pipe Wrap							
68	B-068	23	0.474	77.4	6.3	16.2	NAD	NAD
Location:	2nd Floor Front Utility Room, Paper Pipe Wrap							
69	B-069	23	----	----	----	----	NAD	NA
Location:	2nd Floor Front Utility Room, Paper Pipe Wrap							
70	B-070	24	----	----	----	----	NAD	NA
Location:	2nd Floor Office Areas, Wall Plaster Finish Coat							
71	B-071	24	----	----	----	----	NAD	NA
Location:	2nd Floor Office Areas, Wall Plaster Finish Coat							
72	B-072	24	----	----	----	----	NAD	NA
Location:	2nd Floor Office Areas, Wall Plaster Finish Coat							
73	B-073	25	----	----	----	----	NAD	NA
Location:	2nd Floor Office Areas, Wall Plaster Finish Coat							
74	B-074	25	----	----	----	----	NAD	NA
Location:	2nd Floor Office Areas, Wall Plaster Finish Coat							
75	B-075	25	----	----	----	----	NAD	NA
Location:	2nd Floor Office Areas, Wall Plaster Scatch Coat							
76	B-076	25	----	----	----	----	NAD	NA
Location:	2nd Floor Office Areas, Wall Plaster Scatch Coat							
77	B-077	25	----	----	----	----	NAD	NA
Location:	2nd Floor Office Areas, Wall Plaster Scatch Coat							
78	B-078	25	----	----	----	----	NAD	NA
Location:	2nd Floor Office Areas, Wall Plaster Scatch Coat							
79	B-079	25	----	----	----	----	NAD	NA
Location:	2nd Floor Office Areas, Wall Plaster Scatch Coat							
80	B-080	26	0.228	69.3	7.9	16.7	Chrysotile 6.1	NA
Location:	Roof Levels, Miscellaneous Tar							

See Reporting notes on last page

Table I
Summary of Bulk Asbestos Analysis Results
EJ1111829.001; Metro Storage NY, LLC; Proposed Self - Storage Facility; 1538 & 1546 Stillwell Avenue, Bronx, New York

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
81	B-081	26	0.480	61.5	7.5	31.0	NA/PS	NA
Location:	Roof Levels, Miscellaneous Tar							
82	B-082	26	----	----	----	----	NA/PS	NA
Location:	Roof Levels, Miscellaneous Tar							
83	B-083	26	----	----	----	----	NA/PS	NA
Location:	Roof Levels, Miscellaneous Tar							
84	B-084	26	----	----	----	----	NA/PS	NA
Location:	Roof Levels, Miscellaneous Tar							
85	B-085	27	1.141	63.6	16.3	17.0	Chrysotile 3.1	NA
Location:	Roof Levels, Roofing Material							
86	B-086	27	0.531	39.4	26.9	33.7	NA/PS	NA
Location:	Roof Levels, Roofing Material							
87	B-087	27	----	----	----	----	NA/PS	NA
Location:	Roof Levels, Roofing Material							
88	B-088	27	----	----	----	----	NA/PS	NA
Location:	Roof Levels, Roofing Material							
89	B-089	28	----	----	----	----	Chrysotile 8.9	NA
Location:	Roof Levels, Flashing Material							
90	B-090	28	0.999	66.9	10.9	22.2	NA/PS	NA
Location:	Roof Levels, Flashing Material							
91	B-091	28	0.505	51.9	33.3	14.9	NA/PS	NA
Location:	Roof Levels, Flashing Material							
92	B-092	28	----	----	----	----	NA/PS	NA
Location:	Roof Levels, Flashing Material							
93	B-093	29	----	----	----	----	Chrysotile 7.5	NA
Location:	Roof Levels, Coping Stone Caulk							
94	B-094	29	0.197	58.9	22.3	18.8	NA/PS	NA
Location:	Roof Levels, Coping Stone Caulk							
95	B-095	29	0.307	20.5	23.1	56.4	NA/PS	NA
Location:	Roof Levels, Coping Stone Caulk							

See Reporting notes on last page

Client Name: Whitestone Associates, Inc.

Table I
Summary of Bulk Asbestos Analysis Results

EJ1111829.001; Metro Storage NY, LLC; Proposed Self - Storage Facility; 1538 & 1546 Stillwell Avenue, Bronx, New York

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM

Analyzed by: Aleksandr Barengolts_____; Date Analyzed 3/12/2012

**Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by EPA 600/M4-82-020 per 40 CFR or ELAP 198.1 for New York friable samples or ELAP 198.6 for New York NOB samples; TEM (Semi/Full) by EPA 600/R-93/116 (not covered by NVLAP Bulk accreditation) or ELAP 198.4; for New York samples; NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses); AIHA Lab # 102843, NVLAP Lab Code 200546-0, NYSDOH ELAP Lab ID#11480.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogenous materials).

Reviewed By:_____

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BULK SAMPLE LOG / CHAIN OF CUSTODY RECORD

Client Name: Metro Storage NY, LLC
Project Name: Proposed Self-Storage Facility
Site Address: 1538 & 1546 Stillwell Avenue
Bronx, New York

Project Number: EJ1111829.001
Collection Date: 2012-03-05
Total Number of Samples: 95

SAMPLE NO.	HID #	FUNCTIONAL SPACE / LOCATION	MATERIAL TYPE / DESCRIPTION
B — 001	01	Scattered Throughout	Sheetrock
B — 002	↓	↓	↓
B — 003	↓	↓	↓
B — 004	02	2nd Floor Restrooms	Grout to Ceramic Wall Tile
B — 005	↓	↓	↓
B — 006	↓	↓	↓
B — 007	03	↓	Mastic to Ceramic Wall Tile
B — 008	↓	↓	↓
B — 009	↓	↓	↓
B — 010	04	Wall Near ASTs	White Fire Brick (Gold Bond)
B — 011	↓	↓	↓
B — 012	↓	↓	↓

Analysis Request: PLM: ☐ EPA 600/R-93/116 ☒ NY ELAP 198.1 ☒ NY ELAP 198.6 TAT: ☐ 24 hr ☐ 48 hr ☐ 72 hr ☒ 5 day ☐ Other
☒ Positive Stop TEM: 2 Samples/HID (NOB) ☐ Chatfield ☒ NY ELAP 198.4 TAT: ☐ 24 hr ☐ 48 hr ☐ 72 hr ☒ 5 day ☐ Other

Relinquished By: Jeremy Hassett	Received By:
Signature:	Signature:
Contact Email: jhassett@whitestoneassoc.com	Company:
Date(s): 2012-03-06 Time: 18:00	Reason:
Reason: Analysis	Date: Time:
Received By:	Received By:
Signature:	Signature:
Company:	Company: Amer Sci
Reason:	Reason:
Date: Time:	Date: 3/7/12 Time: 1210

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Client Name: Metro Storage NY, LLC
Project Name: Proposed Self-Storage Facility
Site Address: 1538 & 1546 Stillwell Avenue
Bronx, New York

Project Number: EJ1111829.001
Collection Date: 2012-03-05
Total Number of Samples: 95

SAMPLE NO.	HID #	FUNCTIONAL SPACE / LOCATION	MATERIAL TYPE / DESCRIPTION
B — 013	05	2nd Floor Rear (Bassett)	Brown Vinyl Baseboard Molding
B — 014	↓	↓	↓
B — 015	↓	↓	↓
B — 016	06	↓	Mastic to Brown Vinyl Baseboard
B — 017	↓	↓	↓
B — 018	↓	↓	↓
B — 019	07	↓	Remnant Floor Mastic
B — 020	↓	↓	↓
B — 021	↓	↓	↓
B — 022	08	↓	Remnant Floor Leveling Compound
B — 023	↓	↓	↓
B — 024	↓	↓	↓

Analysis Request: PLM: ☐ EPA 600/R-93/116 ☒ NY ELAP 198.1 ☒ NY ELAP 198.6 TAT: ☐ 24 hr ☐ 48 hr ☐ 72 hr ☒ 5 day ☐ Other
☒ Positive Stop TEM: 2 Samples/HID (NOB) ☐ Chatfield ☒ NY ELAP 198.4 TAT: ☐ 24 hr ☐ 48 hr ☐ 72 hr ☒ 5 day ☐ Other

Relinquished By: Jeremy Hassett	Received By:
Signature:	Signature:
Contact Email: jhassett@whitestoneassoc.com	Company:
Date(s): 2012-03-06 Time: 18:00	Reason:
Reason: Analysis	Date: Time:
Received By:	Received By: [illegible]
Signature:	Signature:
Company:	Company: Amensci
Reason:	Reason:
Date: Time:	Date: 3/7/12 Time: 1210

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Site Address: 1538 & 1546 Stillwell Avenue
Bronx, New York

Project Number: EJ1111829.001
Collection Date: 2012-03-05
Total Number of Samples: 95

SAMPLE NO.	HID #	FUNCTIONAL SPACE / LOCATION	MATERIAL TYPE / DESCRIPTION
B — 025	09	Throughout	Mortar to Cinderblock
B — 026	↓	↓	↓
B — 027	↓	↓	↓
B — 028	10	↓	Mortar to Brick
B — 029	↓	↓	↓
B — 030	↓	↓	↓
B — 031	11	↓	Mortar to Stone
B — 032	↓	↓	↓
B — 033	↓	↓	↓
B — 034	12	2nd Floor Restrooms	Grout to Ceramic Floor Tile
B — 035	↓	↓	↓
B — 036	↓	↓	↓

Analysis Request: PLM: ☐ EPA 600/R-93/116 ☒ NY ELAP 198.1 ☒ NY ELAP 198.6 TAT: ☐ 24 hr ☐ 48 hr ☐ 72 hr ☒ 5 day ☐ Other
☒ Positive Stop TEM: 2 Samples/HID (NOB) ☐ Chatfield ☒ NY ELAP 198.4 TAT: ☐ 24 hr ☐ 48 hr ☐ 72 hr ☒ 5 day ☐ Other

Relinquished By: Jeremy Hassett Signature: Contact Email: jhassett@whitestoneassoc.com Date(s): 2012-03-06 Time: 18:00 Reason: Analysis	Received By: Signature: Company: Reason: Date: Time:
Received By: Signature: Company: Reason: Date: Time:	Received By: Signature: Company: Reason: Date: 3/7/12 Time: 1210

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Site Address: 1538 & 1546 Stillwell Avenue
Bronx, New York

Project Number: EJ1111829.001
Collection Date: 2012-03-05
Total Number of Samples: 95

SAMPLE NO.	HID #	FUNCTIONAL SPACE / LOCATION	MATERIAL TYPE / DESCRIPTION
B — 037	13	2nd Floor Front Offices (Stillwell)	12"x12" White Floor Tile
B — 038	↓	↓	↓
B — 039	↓	↓	↓
B — 040	14	↓	12"x12" Pink Floor Tile
B — 041	↓	↓	↓
B — 042	↓	↓	↓
B — 043	15	↓	Mastic to 12"x12" White & Pink Floor Tiles
B — 044	↓	↓	↓
B — 045	↓	↓	↓
B — 046	16	↓	Bottom-Layer Tan Floor Tile
B — 047	↓	↓	↓
B — 048	↓	↓	↓

Analysis Request: PLM: ☐ EPA 600/R-93/116 ☒ NY ELAP 198.1 ☒ NY ELAP 198.6 TAT: ☐ 24 hr ☐ 48 hr ☐ 72 hr ☒ 5 day ☐ Other
☒ Positive Stop TEM: 2 Samples/HID (NOB) ☐ Chatfield ☒ NY ELAP 198.4 TAT: ☐ 24 hr ☐ 48 hr ☐ 72 hr ☒ 5 day ☐ Other

Relinquished By: Jeremy Hassett	Received By: [illegible]
Signature:	Signature:
Contact Email: jhassett@whitestoneassoc.com	Company:
Date(s): 2012-03-06 Time: 18:00	Reason:
Reason: Analysis	Date: 3/7/12 Time: 1210
Received By:	Received By:
Signature:	Signature:
Company:	Company:
Reason:	Reason:
Date: Time:	Date: Time:

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BULK SAMPLE LOG / CHAIN OF CUSTODY RECORD

Client Name: Metro Storage NY, LLC
Project Name: Proposed Self-Storage Facility
Site Address: 1538 & 1546 Stillwell Avenue
Bronx, New York

Project Number: EJ1111829.001
Collection Date: 2012-03-05
Total Number of Samples: 95

SAMPLE NO.	HID #	FUNCTIONAL SPACE / LOCATION	MATERIAL TYPE / DESCRIPTION
B — 049	17	2nd Floor Front Offices (Stillwell)	Bottom-Layer Brown Floor Tile
B — 050	↓	↓	↓
B — 051	↓	↓	↓
B — 052	18	↓	Mastic to Bottom Tan & Brown Floor Tiles
B — 053	↓	↓	↓
B — 054	↓	↓	↓
B — 055	19	Scattered Throughout	Braided Wall Electrical Wire
B — 056	↓	↓	↓
B — 057	↓	↓	↓
B — 058	20	↓	Braided Light Wire Insulation
B — 059	↓	↓	↓
B — 060	↓	↓	↓

Analysis Request: PLM: ☐ EPA 600/R-93/116 ☒ NY ELAP 198.1 ☒ NY ELAP 198.6 TAT: ☐ 24 hr ☐ 48 hr ☐ 72 hr ☒ 5 day ☐ Other
☒ Positive Stop TEM: 2 Samples/HID (NOB) ☐ Chatfield ☒ NY ELAP 198.4 TAT: ☐ 24 hr ☐ 48 hr ☐ 72 hr ☒ 5 day ☐ Other

Relinquished By: Jeremy Hassett	Received By: [illegible]
Signature:	Signature:
Contact Email: jhassett@whitestoneassoc.com	Company:
Date(s): 2012-03-06 Time: 18:00	Reason:
Reason: Analysis	Date: 3/7/12 Time: 1210
Received By:	Received By:
Signature:	Signature:
Company:	Company:
Reason:	Reason:
Date: Time:	Date: Time:

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Project Name: Proposed Self-Storage Facility
Site Address: 1538 & 1546 Stillwell Avenue
Bronx, New York

Project Number: EJ1111829.001
Collection Date: 2012-03-05
Total Number of Samples: 95

SAMPLE NO.	HID #	FUNCTIONAL SPACE / LOCATION	MATERIAL TYPE / DESCRIPTION
B — 061	21	Throughout	Window Glaze
B — 062	↓	↓	↓
B — 063	↓	↓	↓
B — 064	22	2nd Floor Front Utility Room	Corrugated Pipe Insulation
B — 065	↓	↓	↓
B — 066	↓	↓	↓
B — 067	23	↓	Paper Pipe Wrap
B — 068	↓	↓	↓
B — 069	↓	↓	↓
B — 070	24	2nd Floor Office Areas	Wall Plaster Finish Coat
B — 071	↓	↓	↓
B — 072	↓	↓	↓

Analysis Request: PLM: ☐ EPA 600/R-93/116 ☒ NY ELAP 198.1 ☒ NY ELAP 198.6 TAT: ☐ 24 hr ☐ 48 hr ☐ 72 hr ☒ 5 day ☐ Other
☒ Positive Stop TEM: 2 Samples/HID (NOB) ☐ Chatfield ☒ NY ELAP 198.4 TAT: ☐ 24 hr ☐ 48 hr ☐ 72 hr ☒ 5 day ☐ Other

Relinquished By: Jeremy Hassett	Received By: [illegible]
Signature: [signature]	Signature: [signature]
Contact Email: jhassett@whitestoneassoc.com	Company: [illegible]
Date(s): 2012-03-06 Time: 18:00	Reason:
Reason: Analysis	Date: 3/7/12 Time: 1200
Received By:	Received By:
Signature:	Signature:
Company:	Company:
Reason:	Reason:
Date: Time:	Date: Time:

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BULK SAMPLE LOG / CHAIN OF CUSTODY RECORD

Client Name: Metro Storage NY, LLC
Project Name: Proposed Self-Storage Facility
Site Address: 1538 & 1546 Stillwell Avenue
Bronx, New York

Project Number: EJ1111829.001
Collection Date: 2012-03-05
Total Number of Samples: 95

SAMPLE NO.	HID #	FUNCTIONAL SPACE / LOCATION	MATERIAL TYPE / DESCRIPTION
B — 073	24	2nd Floor Office Areas	Wall Plaster Finish Coat
B — 074	↓	↓	↓
B — 075	25	↓	Wall Plaster Scratch Coat
B — 076	↓	↓	↓
B — 077	↓	↓	↓
B — 078	↓	↓	↓
B — 079	↓	↓	↓
B — 080	26	Roof Levels	Miscellaneous Ta-
B — 081	↓	↓	↓
B — 082	↓	↓	↓
B — 083	↓	↓	↓
B — 084	↓	↓	↓

Analysis Request: PLM: ☐ EPA 600/R-93/116 ☒ NY ELAP 198.1 ☒ NY ELAP 198.6 TAT: ☐ 24 hr ☐ 48 hr ☐ 72 hr ☒ 5 day ☐ Other
☒ Positive Stop TEM: 2 Samples/HID (NOB) ☐ Chatfield ☒ NY ELAP 198.4 TAT: ☐ 24 hr ☐ 48 hr ☐ 72 hr ☒ 5 day ☐ Other

Relinquished By: Jeremy Hassett	Received By: [illegible]
Signature:	Signature:
Contact Email: jhassett@whitestoneassoc.com	Company:
Date(s): 2012-03-06 Time: 18:00	Reason:
Reason: Analysis	Date: 3/7/12 Time: 1200
Received By:	Received By:
Signature:	Signature:
Company:	Company:
Reason:	Reason:
Date: Time:	Date: Time:

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BULK SAMPLE LOG / CHAIN OF CUSTODY RECORD

Client Name: Metro Storage NY, LLC
Project Name: Proposed Self-Storage Facility
Site Address: 1538 & 1546 Stillwell Avenue
Bronx, New York

Project Number: EJ1111829.001
Collection Date: 2012-03-05
Total Number of Samples: 95

SAMPLE NO.	HID #	FUNCTIONAL SPACE / LOCATION	MATERIAL TYPE / DESCRIPTION
B — 085	27	Roof Levels	Roofing Material
B — 086			
B — 087			
B — 088			
B — 089	28		Flashing Material
B — 090			
B — 091			
B — 092			
B — 093	29		Coping Stone Caulk
B — 094			
B — 095			
—			

Analysis Request: PLM: ☐ EPA 600/R-93/116 ☒ NY ELAP 198.1 ☒ NY ELAP 198.6 TAT: ☐ 24 hr ☐ 48 hr ☐ 72 hr ☒ 5 day ☐ Other
☒ Positive Stop TEM: 2 Samples/HID (NOB) ☐ Chatfield ☒ NY ELAP 198.4 TAT: ☐ 24 hr ☐ 48 hr ☐ 72 hr ☒ 5 day ☐ Other

Relinquished By: Jeremy Hassett	Received By: [illegible]
Signature:	Signature:
Contact Email: jhassett@whitestoneassoc.com	Company:
Date(s): 2012-03-06 Time: 18:00	Reason:
Reason: Analysis	Date: 3/7/12 Time: 1200
Received By:	Received By:
Signature:	Signature:
Company:	Company:
Reason:	Reason:
Date: Time:	Date: Time:

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New York, NY

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BULK ASBESTOS FIBER ANALYSIS

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2011-07-01 through 2012-06-30

Effective dates

DEPARTMENT OF COMMERCE ★ UNITED STATES OF AMERICA ★

Sally S. Bruce

For the National Institute of Standards and Technology

NVLAP-01C (REV. 2009-01-28)

National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

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BULK ASBESTOS FIBER ANALYSIS (PLM) **NVLAP LAB CODE 200546-0**

NVLAP Code	*Designation / Description*
18/A01	EPA-600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples

2011-07-01 through 2012-06-30

Effective dates

Sally S. Bruce

For the National Institute of Standards and Technology

NVLAP-01S (REV. 2005-05-19)

APPENDIX 2
RI HASP

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ENVIRONMENTAL & GEOTECHNICAL ENGINEERS & CONSULTANTS

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SITE-SPECIFIC HEALTH AND SAFETY PLAN FOR REMEDIAL SITE INVESTIGATION

PROPOSED SELF-STORAGE FACILITY
EXISTING COMMERCIAL BUILDING AND STORAGE LOTS
1538 & 1548 STILLWELL AVENUE
BLOCK 4219, LOTS 16 AND BLOCK 4226, LOT 290
BRONX, BRONX COUNTY, NEW YORK

Prepared for:

STILLWELL STORAGE, LLC
10 Dehart Street
Morristown, New Jersey 07960

Prepared by:

WHITESTONE ASSOCIATES, INC.
35 Technology Drive
Warren, New Jersey 07059

Whitestone Project No. EJ1111829.001
June 2012

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SITE-SPECIFIC HEALTH AND SAFETY PLAN FOR REMEDIAL SITE INVESTIGATION

Proposed Self-Storage Facility
Stillwell Avenue and Bassett Avenue
Bronx, Bronx County, New York

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SITE-SPECIFIC HEALTH AND SAFETY PLAN FOR REMEDIAL SITE INVESTIGATION

Proposed Self-Storage Facility
Stillwell Avenue and Bassett Avenue
Bronx, Bronx County, New York

SIGNATURE SHEET

This Health and Safety Plan has been reviewed and approved. By their signatures, the following undersigned certify that this Health and Safety Plan meets the requirements of 29 CFR 1910.120 and other applicable regulations for the protection of worker health and safety at this site.

Thomas K. Uzzo, LSRP, Principal
Printed Name/Title

Whitestone Associates, Inc.
Company

Signature

6/27/12
Date

Christopher Seib, LSRP, Director/Project Manager
Printed Name/Title

Whitestone Associates, Inc.
Company

Signature

6/27/12
Date

Patrick Beelsey, Site Inspector/Health & Safety Officer
Printed Name/Title

Whitestone Associates, Inc.
Company

Signature

6/27/12
Date

Printed Name/Title

Company

Signature

Date

SITE-SPECIFIC HEALTH AND SAFETY PLAN FOR REMEDIAL SITE INVESTIGATION

Proposed Self-Storage Facility
Stillwell Avenue and Bassett Avenue
Bronx, Bronx County, New York

INTRODUCTION

The health and safety protocol established in this plan are based on the site conditions and chemical hazards known and/or anticipated to be present from available site data. The following *Site-Specific Health and Safety Plan* (HASP) was developed by Whitestone Associates, Inc. (Whitestone) is intended solely for use during remedial site investigation operations as outlined in Whitestone's June 6, 2012 *Remedial Investigation Workplan* at the existing commercial building and storage lots (proposed self-storage facility) located at 1538 and 1546 Stillwell Avenue and on Bassett Avenue in Bronx, Bronx County, New York (hereinafter referred to as the "site" or the "subject property").

Operations associated with this project will be conducted in compliance with:

- Occupational Safety and Health (OSHA) Regulations 29 CFR 1910.120, *"Hazardous Waste Operations and Emergency Response"*;
- Applicable parts of OSHA 29 CFR 1910, *General Industry*, OSHA Safety and Health Standards;
- Applicable parts of OSHA 29 CFR 1926, *Construction Industry*, OSHA Safety and Health Standards;
- Other applicable Federal, State, and local regulations; and
- Subcontractor general safety plans/requirements.

All persons wishing to gain entry to active work areas of the site will:

1. Read or review the contents of this HASP with the Site Health and Safety Officer (SHSO); and
2. Acknowledge, in writing on the attached HASP Acknowledgment/Visitor Sign-In Sheet, their understanding of this HASP and all revisions[1] made to it.

[1] This HASP is subject to review and revision based on actual conditions encountered in the field.

SITE-SPECIFIC HEALTH AND SAFETY PLAN FOR REMEDIAL SITE INVESTIGATION

Proposed Self-Storage Facility
Stillwell Avenue and Bassett Avenue
Bronx, Bronx County, New York

HASP ACKNOWLEDGMENT/VISITOR SIGN-IN SHEET

Persons wishing to gain entry to restricted work areas at the project site are required to acknowledge their understanding of this HASP.

I have read (or reviewed with the SHSO) the Site Health and Safety Plan for the referenced site and understand its provisions for my health and safety.			
PRINTED NAME	**SIGNATURE**	**COMPANY**	**DATE**

SECTION 1.0
Project Overview

1.1 SITE DESCRIPTION

The subject property consists of two separate parcels located at 1538 and 1546 Stillwell Avenue (Block 4219, Lot 16) and Bassett Avenue (Block 4226, Lot 290) in the Bronx, Bronx County, New York, Latitude 40.8538 North, Longitude 73.8419 West. The parcels are separated by Bassett Avenue and comprise a total of 1.01 acres. The site location is shown on Figures 1 and 2.

1.1.1 Site Vicinity and Characteristics

Lot 16 of the subject property is situated between Stillwell Avenue and Bassett Avenue and currently houses a vacant, one- and two-story commercial structure that covers the entire lot. Lot 290 of the subject property is situated east of Bassett Avenue and houses several fenced storage yards. The site is bound by Bay Powder Coating Corp., Sacco, and residential buildings to the north, an Acela High Speed Transit Train line to the east, New Plumbing and Heating Corp., a vacant building, a lot with junk cars, and Frank & Son Autobody to the south, and F&J Transmission, Temple of Joy, Italy A&P Auto Repair, and Carib Prints, Ltd. beyond Stillwell Avenue to the west.

1.1.2 Current and Historic Site Use

Lot 16 of the subject property currently houses a vacant commercial building. Lot 290 consists of seven individually fenced storage yards utilized by various tenants for the storage of construction equipment and materials, portable bathrooms, and automobiles.

According to historical sources reviewed by Whitestone and conversations with the site owner, the site building located on Lot 16 has been vacant since approximately 2005. Prior to that time, the building was occupied by Amsterdam Color Works, a paint manufacturer, dating back to 1941, when the original northern portion of the building was constructed. Additions to the southern portion of the building occurred between the 1950's and early 1960's. Historic Sanborn Maps dated 1919 and 1929 depict a commercial building identified as “iron works” and a residential building on Lot 16. With the exception of a small, one-story storage shed located in the central portion of the lot on Sanborn Maps dated 1992 through 2007, Lot 290 historically has been undeveloped and used as a storage yard. According to the site owner, this area of the site historically was a drainage ditch located along the railroad tracks and was filled in and graded approximately 40 years ago. The site owner also indicated that the former shed structure located on Lot 290 was not serviced by utilities.

1.2 SUMMARY OF ENVIRONMENTAL CONDITIONS

1.2.1 Recognized Environmental Conditions

Whitestone performed a Phase I Phase I Environmental Site Assessment (ESA) of the subject project and a Survey for Asbestos Containing Material of the existing commercial building and storage lots (proposed self-storage facility) located at the subject property between February 28, 2012 and April 2, 2012. These investigations revealed evidence of the following ***recognized environmental conditions*** (RECs).

- Based on historical sources reviewed by Whitestone, Lot 16 of the subject property historically was occupied by a paint manufacturing facility (Amsterdam Color Works, Inc.) from 1941 until 2005. Paint manufacturing operations typically include the use/storage of hazardous substances (including petroleum distillates, volatile organic solvents, pigments, dyes, etc.) and the generation of hazardous wastes. Accordingly, impacts to subsurface conditions from former site operations are suspected. The subject property is identified on the RCRA Administrative Action Tracking System (RAATS), RCRA Small Quantity Generators (SQG), Integrated Compliance Information System (ICIS), Facility Index System (FINDS), and Manifest environmental databases under Amsterdam Color Works, Inc. located at 1546 Stillwell Avenue (USEPA ID No. NYD001360155). According to the database report, Amsterdam Collor Works currently is listed as a small quantity generator of hazardous waste, however, formerly was a large quantity generator of hazardous waste prior to 2002.

- According to the site owner, one 1,000 gallon heating oil underground storage tank (UST) and two 1,000 solvent USTs reportedly were removed from the eastern and western interior portions of the site building over 20 years ago. The site owner indicated that, to his knowledge, no sampling was conducted following tank removal, and no documentation regarding the UST removal activities is available.

- Evidence of a suspected existing UST (fill port) was observed in the sidewalk area to the east of the site building along Bassett Avenue, and a vent pipe was observed at the northwestern exterior of the site building along Stillwell Avenue, however, no information regarding this suspected UST or the vent pipe was available from the site owner.

- Urban properties such as the subject site typically have been filled with material imported from off-site sources during initial site development or subsequent redevelopment to achieve final grades. According to the site owner, Lot 290 of the subject property historically was a drainage ditch located along the railroad tracks and was filled in and graded approximately 40 years ago. Fill materials consisting of either silty sand with variable amounts of gravel and debris or poorly graded sand with silt and gravel were encountered at the subject property to depths of up to seven feet below ground surface (fbgs) during Whitestone's March 2012 preliminary geotechnical investigation. Such non-native materials may contain contaminants exceeding applicable standards.

1.2.1 Areas of Environmental Concern

Whitestone conducted Phase II Site Investigation (SI) field activities at the subject site in October 2011 and March 2012 to evaluate potential impacts to subsurface conditions at the property. The investigations identified the following areas of environmental concern (AOCs) which will be investigated further under the scope of this HASP.

- Select metals were detected in the 10 soil/fill samples collected at the subject property at concentrations exceeding New York State Department of Environmental Conservation (NYSDEC) Remedial Program Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs) . These elevated concentrations generally are typical of historic fill material, however, the lead concentration in B-1 from the October 2011 sampling event significantly exceeded the NYSDEC UUSCO. Select elevated metals concentrations also may be indicative of naturally-occurring conditions.

- Select semi-volatile organic compounds (SVOCs) detected at elevated concentrations in four of the soil/fill samples likely are representative of typical historic fill material constituents in locations B-1 and B-4 from the October 2011 sampling event rather than releases from former on-site USTs. The elevated SVOCs in locations B-2 and B-3 from the October 2011 sampling event may be the result of a release at the site from former underground storage tanks (USTs) and/or site operations.

- Volatile organic compounds (VOCs) detected at elevated concentrations in three of the soil/fill samples from the October 2011 sampling event likely resulted from releases from former USTs and/or site operations.

- Select SVOCs detected in the three groundwater samples at concentrations exceeding NYSDEC Technical and Operational Guidance Series 1.1.1 (TOGS) Water Quality Standards (WQS) may have resulted from historic fill impacts.

- Select VOCs were detected in the three groundwater samples at concentrations exceeding NYSDEC TOGS WQS. The VOCs identified in groundwater samples TW-1 and B-5GW included chlorinated VOCs at elevated concentrations, the most significant being trichloroethene at 290 parts per billion (ppb) as compared with the New York State regulatory standard of 5.0 ppb. The elevated VOCs in groundwater sample TW-2 likely are due to releases from former on-site operations or USTs. The chlorinated VOC detections in groundwater samples TW-1 and B-5GW may be the result of an off-site source.

1.3 SCOPE OF WORK ITEMS COVERED BY HASP

This HASP is intended to cover potential exposures during the Remedial Investigation (RI) operations described in the subsections that follow as outlined in Whitestone's June 6, 2012 *Remedial Investigation Workplan*. All site contractors will be required to follow their own general safety plans/requirements for all typical construction-related activities and will be responsible for assuming the health and safety of their employees.

1.3.1 Soil Investigation

Whitestone will use limited-access Geoprobe sampling equipment to advance three shallow soil borings to maximum depths of 20 feet below ground surface (fbgs) to evaluate subsurface soil conditions. Soil samples will be screened with a photoionization detector (PID) for evidence of volatile organic contamination. Two soil samples will be collected from each boring as required by the New York City Office of Environmental Remediation (OER) and Whitestone's June 6, 2012 *Remedial Investigation Workplan* (RIW) for the site. Two soil samples also will be collected from each of the groundwater monitor well borings as discussed below. Retained soil samples will be submitted to a New York-certified laboratory for VOC, SVOC, polychlorinated biphenyl (PCB), pesticides, and Target Analyte List (TAL) metals analyses.

1.3.2 Monitor Well Installation, Sampling, and Gauging

Four, two-inch diameter, flush-mounted, bedrock groundwater monitor wells will be installed to further evaluate/verify on-site groundwater conditions utilizing limited-access, air-rotary drilling equipment. The wells will be installed to approximate depths of 40 fbgs with screen placed to span the groundwater interface. The wells will be cased, as necessary, based on the subsurface conditions encountered. The wells will be surveyed by a licensed surveyor.

Upon stabilization of the monitor wells, one round of groundwater sampling will be conducted for VOC, SVOC, PCB, pesticides, and TAL metals (filtered and unfiltered) analyses using low-flow sampling techniques. The appropriate trip and field blanks and duplicate samples also will be collected as necessary. The monitor wells will be gauged at that time to establish groundwater flow direction. Soil and groundwater generated during boring/well installation and sampling will be disposed off site at a permitted facility as non-hazardous waste.

1.3.3 Product Inventory Inspection

Prior to the soil vapor sampling activities discussed in Section 1.3.4 below, a product inventory inspection will be conducted to identify potential sources of contaminants at the subject property. During the product inventory inspection, a New York State Department of Health (NYSDOH) *Indoor Air Quality Questionnaire and Building Inventory* form will be completed. Potential sources of contaminants will be identified, documented, and removed (if feasible) prior to the soil vapor sampling activities.

1.3.4 Soil Vapor Sampling

Four soil vapor samples will be collected beneath the existing site building, and four soil vapor samples will be collected within the footprints of the two proposed structures located to the east of Bassett Avenue in order

to evaluate the potential for soil vapor intrusion (SVI). The soil vapor sample locations will be installed utilizing limited-access, direct-push sampling equipment.

The soil vapor samples will be collected over a two-hour duration utilizing Summa canisters and submitted to a NYSDOH-certified laboratory for VOC analyses by USEPA Method TO-15. Whitestone will ensure that the NYSDOH-certified laboratory properly meets the detection limits for each of the VOCs analyzed. The samples will be collected utilizing the methodologies outlined in NYSDOH's *Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (October 2006). The negative inches of mercury contained within the Summa canisters will be recorded prior to and following sample collection.

SECTION 2.0
Hazard Assessment and Risk Analysis

An assessment and analysis of chemical, physical, and biological hazards associated with this project is presented in the subsections that follow. A task-by-task risk analysis of the potential exposure to the identified hazards is provided below.

Task	Potential Exposure Risk
Mobilization/Demobilization	Low
General Site Inspection	Low
Geoprobe Sampling (Soil)	Moderate to Moderately High
Monitoring Well Installation and Sampling (Groundwater)	Moderate to Moderately High
Product Inventory Inspection	Low
Product Inventory Removal (If Discovered and Feasible)	TBD Based on Inspection Results
Soil Vapor Sampling	Moderate to Moderately High

Anticipated Exposure Risk Definitions:

LOW =	Non-Intrusive Work--No Chance of Exposure.
SLIGHT =	Non-Intrusive Work, Possible Safety Hazards with Tools--Little to No Chance of Exposure.
MODERATE =	Non-Intrusive Work, Possible Safety Hazards with Power Tools, Heavy Equipment, and/or Work Near or in Water--No Possible Exposure to Contaminants.
MODERATELY HIGH =	Intrusive Work, Possible Safety Hazards with Equipment--Exposure to Contaminants Possible.
HIGH =	Intrusive Work, Possible Safety Hazards with Equipment--Exposure to Contaminants Probable.

2.1 CHEMICAL HAZARDS

2.1.1 Contaminants of Concern

Previous site investigations have identified select metals, VOCs, and SVOCs in soil samples and VOCs and SVOCs in groundwater samples collected at the site (see Table 1). Additional investigatory activities are being performed to further evaluate potential soil and groundwater contamination in identified RECs/AOCs and to evaluate potential vapor intrusion.

Exposure information for the previously identified constituents of concern (COCs) are provided in Table 1.

TABLE 1
Chemical Hazard/Exposure Data Summary
Stillwell Avenue and Bassett Avenue Site; Bronx, NY

Potential COCs[1]	Action Levels[2]	Routes of Exposure	Exposure Symptoms/ Primary Hazards
Metals			
Aluminum (Soil)	15 mg/m^3 (total dust) 5 mg/m^3 (RF)	Contact Inhalation Ingestion	May cause eye and skin irritation. May cause respiratory tract irritation. Dust may form flammable or explosive mixture with air, especially when damp. Target Organs: Lungs, eyes, skin.
Arsenic (Soil)	0.010 mg/m^3	Inhalation Contact	Ulceration of nasal septum; dermatitis; gastrointestinal disturbances; peripheral neuropathy; respiratory irritation; hyper pigmentation of skin; potential occupational carcinogen.
Barium (Soil)	0.5 mg/m^3	Contact Inhalation Ingestion	Causes eye and skin irritation. Irritates the respiratory tract. Ingestion of large amounts may cause gastrointestinal irritation.
Cadmium (Soil)	0.2 mg/m^3 (dust) 0.1 mg/m^3 (fume) 0.6 mg/m^3 (C-dust) 0.3 mg/m^3 (C-fume) 2.5 ug/m^3 (action level)	Contact Inhalation Ingestion	Inhalation of fumes may cause metal-fume fever. May cause liver and kidney damage. May cause lung damage. Flammable solid. Cancer suspect agent. Air sensitive. Causes eye and skin irritation. Causes digestive and respiratory tract irritation. May cause reproductive and fetal effects. Harmful if swallowed. May be fatal if inhaled. Target Organs: Blood, kidneys, liver, lungs, skeletal structures, prostate.
Chromium (Soil)	0.5 mg/m^3	Contact Inhalation Ingestion	Repeated or prolonged contact may cause skin sensitization.
Copper (Soil)	1 mg/m^3 TWA (Copper Dust and Mists, as Cu) 0.1 mg/m^3 TWA (Copper Fume)	Contact Inhalation Ingestion	Causes irritation to skin, eyes and respiratory tract. Affects the liver and kidneys. Chronic exposure may cause tissue damage
Iron (Soil)	10 mg/m^3 TWA	Inhalation Ingestion Contact	May cause blood abnormalities. Inhalation of fumes may cause metal-fume fever. May cause lung damage. May cause cardiac disturbances. May cause liver damage. May cause mechanical eye and skin irritation. Target Organs: Liver, respiratory system, cardiovascular system, pancreas.
Lead (Soil)	PEL: 0.05 mg/m^3 IDLH: 100 mg/m^3	Contact Inhalation Ingestion	Causes eye and skin irritation. May be absorbed through intact skin. May cause respiratory and digestive tract irritation. May cause central nervous system depression. May cause kidney damage. Can cause adverse reproductive effects. May cause fetal effects. Dangerous for the environment. Target Organs: Kidneys, central nervous system, blood forming organs.
Mercury (Soil)	PEL: 0.01 mg/m^3 IDLH: 26 mg/m^3	Inhalation Absorption Contact	High exposure can cause chest pain, shortness of breath, and a build-up of fluid in the lungs (pulmonary edema). This can cause death. Repeated exposures can cause Mercury poisoning with kidney disease, tremors, gum problems, trouble remembering and concentrating and changes in mood. Long-term exposure can cause clouding of the eyes.
Nickel (Soil)	PEL: 1 mg/m^3 IDLH: 10 mg/m^3	Contact Inhalation Ingestion	Causes digestive tract irritation. May cause cancer in humans. May cause allergic skin reaction. May cause eye irritation. May cause respiratory tract irritation. May cause liver and kidney damage. Target Organs: Kidneys, liver, respiratory system.

TABLE 1
Chemical Hazard/Exposure Data Summary
Stillwell Avenue and Bassett Avenue Site; Bronx, NY

Potential COCs[1]	Action Levels[2]	Routes of Exposure	Exposure Symptoms/ Primary Hazards
Vanadium (Soil)	PEL: 0.05 mg/m^3 (respirable) IDLH: 500 mg/m^3	Contact Inhalation Ingestion	Causes eye and skin irritation. May cause digestive tract irritation. Causes respiratory tract irritation. Target Organs: None known.
Zinc (Soil)	15 mg/m^3 (total dust) 5 $mg/^3$ (respirable)	Contact Inhalation Ingestion	Causes eye and skin irritation. Causes digestive and respiratory tract irritation. Target Organs: Kidneys.
Semi-Volatile Organics (SVCs)			
Chrysene (Soil, GW)	0.2 mg/m^3	Inhalation Absorption	Coal Tar Pitch Volatiles Cancer Suspect Agents Irritation, pulmonary edema, sensitizer, dermatitis, dizziness, nausea, convulsions, kidney and liver damage.
Dibenzo[a,h] anthracene (Soil)			
Ideno[1,2,3-cd]pyrene (Soil, GW)			
2,4-Dimethylphenol (GW)			
Benzo[a]anthracene (GW)			
Benzo[a]pyrene (GW)			
Benzo[b]fluoranthene (Soil, GW)			
Benzo[k]fluoranthene (GW)			
Di-n-butylphthalate (Soil)			
2-Methylnaphthalene (Soil)			
Volatile Organics (VOs)			
Acetone (Soil)	1000 ppm	Contact Inhalation Ingestion	Exposure may result in irritation to the eyes, nose, throat. Overexposure may cause headache, dizziness. Contact with the skin may cause dermatitis. Target organs are listed as the respiratory system (lungs) and skin.
Isopropylbenzene (Soil)	50 ppm	Inhalation Absorption	Irritates the eyes and the respiratory tract. Swallowing the liquid may cause aspiration into the lungs with the risk of chemical pneumonitis. The substance may cause effects on the central nervous system. Exposure far above the OEL may result in unconsciousness. Repeated or prolonged contact with skin may cause dermatitis.
n-Butylbenzene (Soil)	None Listed	Contact Inhalation Ingestion	Causes eye, skin, and respiratory tract irritation. May cause gastrointestinal irritation with nausea, vomiting and diarrhea. Ingestion of large amounts may cause CNS depression.
n-Propylbenzene (Soil)	None Listed	Inhalation Ingestion Absorption	Effects of exposure - acute. May cause eye irritation. May cause skin irritation. No chronic hazards listed.
sec-Butylbenzene (Soil, GW)	None Listed	Contact Inhalation Ingestion	Causes eye, skin, and respiratory tract irritation. May cause gastrointestinal irritation with nausea, vomiting and diarrhea. Ingestion of large amounts may cause CNS depression.

TABLE 1
Chemical Hazard/Exposure Data Summary
Stillwell Avenue and Bassett Avenue Site; Bronx, NY

Potential COCs[1]	Action Levels[2]	Routes of Exposure	Exposure Symptoms/ Primary Hazards
cis-1,2-Dichloroethene (GW)	PEL: 50 ppm Ceiling: 100 ppm, 200 ppm/5 min in any 4 hrs.	Contact Inhalation Ingestion	Inhalation exposure to high levels results in nausea, drowsiness, and tiredness. Inhalation exposure to very high levels can result in death. Exposure results in liver, lung, and heart damage.
Tetrachloroethene (PCE) (Soil, GW)	5 ppm, 35 mg/m^3	Contact Inhalation Ingestion	LOW CARCINOGEN HAZARD. Acute (short-term) exposure by inhalation in humans has resulted in effects on the liver, and respiratory, central nervous, and gastrointestinal systems. Chronic exposure by inhalation results in effects on the liver (jaundice and an enlarged liver) and CNS (headaches, tremors, dizziness, numbness, and drowsiness).
Trichloroethene (GW)	PEL: 100 ppm IDLH: 1000 ppm	Inhalation Absorption Contact	Overexposure can cause unconsciousness and death. It can also cause the heart to beat irregularly or to stop. High or repeated lower exposures can damage the liver and kidneys. Long term skin contact can cause thickening and cracking of the skin. Never use near combustion sources like furnaces or welding; highly toxic gases are formed (including Hydrogen Chloride and Phosgene).
Vinyl chloride (GW)	TLV: 1 ppm STEL: 5 ppm	Contact Inhalation Ingestion	CARCINOGEN HAZARD. Acute (short-term) exposure to high levels of vinyl chloride in air has resulted in central nervous system effects (CNS), such as dizziness, headaches, and giddiness in humans. Chronic (long-term) exposure to vinyl chloride through inhalation and oral exposure in humans has resulted in liver damage.
Other Parameters			
Dust, Total Nuisance/ Particulates Not Otherwise Classified	PEL: 15 mg/m^3	Inhalation Ingestion Dermal	Chronic effects include irritation of skin, eyes, nose, throat, and lungs. May be media for exposure to other contaminants.

NOTES:

1. Constituents of concern identified in soil and groundwater samples collected at the site in October 2011 and March 2012 that exceeded NYSDEC UUSCO (Soil) and/or NYSDEC TOGS (GW).
2. Action Levels based on OSHA PELs unless otherwise indicated.

ACRONYMS & ABBREVIATIONS:

PEL	OSHA's Final Rule Limits Permissible Exposure Limit for an 8-hour Time Weighted Average (TWA).
TLV	ACGIH Threshold Limit Value for an 8-hour TWA.
IDLH	NIOSH Level Immediately Dangerous to Life and Health.
C	Ceiling
ppm	parts per million
mg/m^3	milligrams of substance per cubic meter of air. (When entry is in mg/m^3 only, the value is exact; when listed with a ppm entry, it is approximate.)
µg/m^3	micrograms of substance per cubic meter of air.
RS	Respirable Fraction

Hazards associated with potential exposure to the COCs identified in Table 1 will be mitigated through training, administrative controls (e.g., proper labeling and storage), and proper use of prescribed personal protective equipment (PPE).

2.1.2 Concrete

Persons who place concrete will be trained in the chemical hazards associated with handling concrete, which is mildly corrosive. Sufficient amounts of clean water will be available for workers to wash concrete from their skin and eyes. Safety glasses will be worn during concrete placement.

2.1.3 Chemicals Brought On Site

The use of chemicals on site will be in compliance with the requirements of 29 CFR 1910.1200 (OSHA's Hazard Communication Standard), all applicable Federal OSHA regulations found in 1910.1000, and the Spill Containment Plan (Appendix C). Potential hazards associated with chemicals brought on site for the work will be mitigated through training, administrative controls (e.g., proper labeling and storage), and proper use of prescribed PPE.

Material Safety Data Sheets (MSDSs) for all chemicals brought to the site shall be available in the location where the chemical is used or stored. The SHSO will be responsible for maintaining the project MSDS file.

2.2 PHYSICAL HAZARDS

The following general and physical hazards may be associated with earthwork operations at the subject property.

- **Potential Hazard:** Operation of heavy equipment.

  Procedure(s) to Mitigate Hazard: (1) Before any machinery or mechanized equipment is placed in use, it will be inspected and tested by a competent person and certified to be in safe operating condition. The soil boring and monitor well installation subcontractor will designate a competent person to be responsible for the inspection of all machinery and equipment daily and during use to make sure it is in safe operating condition. Tests will be made at the beginning of each shift during which the equipment is to be used to determine that the brakes and operating systems are in proper working condition. All inspections will be documented. Any machinery or equipment found to be unsafe will be deadlined and its use prohibited until unsafe conditions have been corrected. (2) Only designated personnel holding required licenses will operate machinery and mechanized equipment. (3) Equipment deficiencies observed at any item that affect their safe operation will be corrected before continuing operation. (4) Utilize appropriate warning signs and backup alarms.

- **Potential Hazard:** Possible exposure to continuous sound pressure levels in excess of 85 dBA during heavy equipment operation.

Procedure(s) to Mitigate Hazard: Wear disposable ear plugs or ear muffs with a NRR rating of 20 or greater any time that noise is determined to be a hazard by the SHSO (or his designated site representative). An appropriate rule of thumb is that when normal conversation is difficult at a distance of two feet to three feet, hearing protection is required.

- **Potential Hazard:** Above and/or Underground Utilities within Work Area(s)

  Procedure(s) to Mitigate Hazard: The soil boring and monitor well installation subcontractor will notify NEW YORK CITY ONE CALL (1-800-272-4480 or 811) a minimum of three days prior to performing any intrusive subsurface activities to request utility markout. Ensure that overhead electrical lines (if any) are not energized.

- **Potential Hazard:** Slips, Trips, and Falls.

  Procedure(s) to Mitigate Hazard: (1) Exercise extreme caution in all work areas. (2) Be sure of footing during equipment access/egress and when moving through the work area. (3) Avoid stepping or standing on uneven or unsteady surfaces. (4) Clearly delineate excavations, open pits, and other fall hazards with caution tape. Securely cover as appropriate.

  Any time that employees are exposed to a fall hazards or leading edge hazards, the SHSO or his designated representative will install protection or provide fall protection to prevent any personnel from failing during the course of project. The SHSO will attempt to limit these exposures with proper project planning. If at any time employees can not be kept from fall hazards or leading edges, employees will be issued and use proper fall protection. Fall Protection Training will be required before any employee is issued fall protection equipment.

  Proper project house keeping is the key to preventing any slip, trips, or falls. Project personnel will do everything possible to keep the project site neat and tidy. A clean project site is a safe project site.

- **Potential Hazard:** Exposure to inclement weather.

  Procedure(s) to Mitigate Hazard: Threats to site personnel can arise from natural causes (i.e., lightening, high winds, etc.). In the event that severe weather is imminent, the field engineer will notify site employees. As the storm approaches, all work will cease, loose objects will be secured, and site personnel will take shelter at pre-arranged locations. After the severe weather event has passed, the field engineer will inspect the work area(s) for safety hazards prior to resuming work.

- **Potential Hazard:** Housekeeping

  Procedure(s) to Mitigate Hazard: (1) Store equipment properly. (2) Remove rubbish/scrap material from the work area.

- **Potential Hazard:** Hazardous Material Storage

Procedure(s) to Mitigate Hazard: (1) Segregate flammable/combustible liquid from ignition sources. (2) Store in approved containers. (3) Keep solvent wastes, oily rags, and liquids in fire resistant containers. (4) Provide spill control for equipment fueling operations.

The Standard Operating Procedures (SOPs), engineering controls, and work practices set forth in Section 10.0 are to be strictly adhered to by all site personnel to minimize the potential for physical injury.

2.3 BIOLOGICAL HAZARDS

2.3.1 Bites and Stings

The potential exists for encountering biting animals (dogs, rats) and insects (bees, spiders, flies). All animal and insect bites will be reported to the field engineer who will arrange for first aid treatment and/or medical evaluation. Individuals with allergies to wasps or bees shall notify his/her immediate supervisor of his/her condition prior to working at the site and should have a medical ID bracelet and epinephrine pen in his/her possession.

2.3.2 Bloodborne Pathogens

The following program has been developed in compliance with OSHA regulation 29 CFR 1910.1030 to protect first aid responders who may come into contact with potentially infectious materials.

Potentially, all employees trained in first aid may have exposure to infectious materials. In general, employees will:

- Avoid contact with blood;
- Clean-up blood with disinfectant;
- Wear PPE while cleaning up blood; and
- Contact the SHSO regarding medical evaluation if exposed (i.e., blood contacts eyes, mouth, or nose).

In addition, the following general guidelines will apply:

1. All employees will wash their hands immediately after potential exposure to infectious materials.
2. No eating, drinking, smoking, or applying cosmetics or lip balm will be permitted in designated work, decontamination, and first aid areas.
3. PPE (i.e., gloves, CPR shields, and respirators) will be available with all first aid kits.
4. PPE will be used by employees who are trained in first aid to prevent exposure to blood or other potentially infectious materials.

5. If a garment (including gloves) is penetrated by blood or other potentially infectious materials, the garment or garments will be removed immediately or as soon as feasible.

6. All equipment and environmental and working surfaces will be cleaned and decontaminated with an appropriate disinfectant immediately or as soon as feasible when surfaces are overtly contaminated or after any spill of blood or other potentially infectious materials.

7. After an exposure incident, a confidential medical evaluation and follow-up will be immediately available to the exposed individual. Arrangements for the medical evaluation should be coordinated with the SHSO.

Hand washing facilities with clean paper towels will be provided at the job site. First aid kits will be equipped with antiseptic hand cleanser or antiseptic towelettes.

Employees will receive training on blood borne pathogens from the SHSO as part of the pre-entry safety briefing and thereafter when new tasks or procedures will affect the employee's occupational exposure.

3.4 AIR QUALITY HAZARDS

Dust shall be kept to a minimum during all operations. Clean (i.e., free from salt, oil, and other deleterious materials) water will be applied to control dust as necessary. The application rate will be controlled to prevent surface run-off.

SECTION 3.0
Project Organization

3.1 RESPONSIBILITIES

3.1.1 Whitestone Associates, Inc.

Whitestone has primary responsibility for supplying the personnel and coordinating the equipment required to conduct the remedial investigation activities described in Section 1.3 of this HASP. Whitestone personnel to be assigned to the project include the following.

Technical Advisor (Home Office)	Thomas K. Uzzo	908-668-7777 (Office)
Project Manager (Home Office)	Christopher Seib	908-668-7777 (Office) 908-803-5261 (Mobile)
Environmental Site Inspector/ Site Health & Safety Officer	Patrick Beesley	908-668-7777 (Office) 908-285-2489 (Mobile)

The Project Manager has overall responsibility for ensuring that all aspects for the project are implemented and progress is constant. The Environmental Site Inspector is responsible for supervising on-site investigation activities. The Environmental Site Inspector will function as Whitestone's Site Health and Safety Officer (SHSO).

The SHSO generally will be responsible for day-to-day implementation of this HASP, and will have knowledge of conditions which may require the upgrading or downgrading of PPE. The SHSO will make recommendations to protect the health and safety of individuals on site. However, the SHSO will confirm with Project Management on matters of significant importance, such as recommendations for upgrading or downgrading PPE being used.

3.1.2 Subcontractors

Subcontractors will be required to follow the guidelines set forth in this HASP. All subcontractors are responsible for providing their employees with the PPE required by this HASP and for ensuring that this equipment is properly monitored and tested. All subcontractors are responsible for ensuring that their employees conform to all applicable health and safety regulations. All subcontractors will be required to follow their own general safety plans/requirements for all typical construction-related activities.

3.2 SURVEILLANCE AND INTERNAL AUDITING RESPONSIBILITIES

Whitestone's on-site representatives will monitor job-site safety via inspection at the start and completion of each day's work as well as monitoring the job site for this purpose throughout the day. Any safety violations shall be reported to the Project Manager and Owner's site safety representative. All observed safety violations will be immediately corrected, explained to the perpetrator, and reviewed at the next safety meeting. Excessive violations of the site safety rules will be grounds for disciplinary action which could lead to employee termination or expulsion of subcontractor personnel from the site.

SECTION 4.0
Site Personnel Training Requirements

4.1 GENERAL TRAINING

Site workers shall be provided by their employer (Whitestone or the subcontractor, as appropriate) with the H&S training required to comply with its HASP, achieve compliance with regulatory standards, and other training and qualifications necessary for the workers to complete the assigned job duties safely and in an environmentally sound manner.

Documentation of all required training (e.g., training certificates, attendance rosters) shall be maintained by the Project Manager. Training documentation shall be maintained in an organized manner that is readily retrievable and shows that individual workers have the required training.

All personnel shall have the right and responsibility to stop work anytime when unsafe conditions (i.e., those that have not been previously addressed) arise, or the scope of work changes from that which was originally briefed or understood.

4.2 SITE-SPECIFIC TRAINING/SAFETY MEETINGS

4.2.1 Site Orientation

Prior to the commencement of field activities, all personnel assigned to the project shall have completed site-specific training that includes hazardous activities, procedures, monitoring, and equipment used in the site operations. Site-specific training also will include site layout, potential hazardous, risks associated with identified hazardous substances at the site, hazard communication as necessary, PPE, incident reporting, emergency response actions, and available emergency services. This training shall allow site workers to clarify anything they do not understand and to reinforce their responsibilities regarding H&S requirements and work operations for their particular activity.

4.2.2 Daily "Toolbox" Safety Meetings

The SHSO shall conduct daily "toolbox" H&S meetings prior to the start of each day's work. The meetings shall include a discussion of the planned work activities and periodic special H&S topics of interest to site personnel. In addition, the following items shall be discussed as appropriate:

- Necessary training requirements and site work rules;
- Changes in work practices or environmental conditions;
- Precautions and safe work practices related to the day's site activities;

- New or modified procedures or requirements;
- Incident alerts;
- Disclosure of potential hazards or hazardous operations;
- Procedures into restricted areas;
- Vehicle rules and requirements;
- Equipment to be used;
- Restrictions on handling of materials; and
- PPE requirements.

Documentation of daily H&S meetings shall be maintained by the SHSO.

4.3 OSHA TRAINING

All personnel assigned to work in potentially contaminated areas at the Project Site will be in trained per the requirements of 29 CFR 1910 and 1926 as listed below. Site personnel shall have met the following requirements prior to the start of operations at the site:

- A 40-hour minimum hazardous materials safety and health course, as stipulated in 29 CFR 1926.65 e(3).

- An eight (8)-hour minimum refresher course per year after the 40-hour minimum training has occurred (29 CFR 1926.65.e[8]).

On-site managers and supervisors will be in compliance with the additional supervisory training requirements of 29 CFR 1926.65.e(4).

OSHA training certificates shall be maintained by the Project Manager.

4.4 SUBSTANCE ABUSE

The Project site will be "Drug Free Site". Use or working under the influence of alcohol or controlled substances (other than prescribed or over-the-counter medication) is strictly prohibited at all times during the work shift. Use of alcohol or controlled substances at any time during the work shift shall result in immediate removal from the site and permanent loss of access. Site workers are subject to substance use testing at any time "for cause" or following a safety or property damage incident.

Subcontractors are responsible for conducting testing as specified by their own company policies.

4.5 OTHER REQUIRED TRAINING AND QUALIFICATIONS

Other training and qualifications may be required depending on the task work scope and assigned duties on an individual site worker. This may include training for waste handling, respiratory protection, hazard communication, noise exposure or hearing conservation, and various qualified/competent person requirements (e.g., operation of heavy equipment, confined space entry, excavation). Specific additional training/qualified person requirements will be identified by the subcontractors. All subcontractors are responsible for ensuring that identified training and/or qualified/competent person requirements are met for site workers. Subcontractors must identify who its competent person is for the activity as required. Documentation is required for establishing the basis of competency.

4.6 VISITORS

Visitors who must enter potentially contaminated work areas will receive health and safety instruction from the SHSO (or the SHSO's designated site representative). Visitor instruction will include:

- Hazard identification;
- PPE requirements;
- Decontamination procedures;
- Emergency procedures; and
- Other site-specific information as determined by the SHSO.

The SHSO (or designated site representative) will establish, on a case-by-case basis, a safe location from which visitors can observe the site activity of interest.

SECTION 5.0
Medical Surveillance

5.1 GENERAL

Medical monitoring is required by OSHA as a means of monitoring worker exposure to certain toxic substances under 29 CFR 1910.120(f), OSHA's Hazardous Waste Operations and Emergency Response Standard. An examination will be given not more than one year prior to a worker reporting to the job site. The Medical Surveillance Exams will meet the requirement of the USEPA, OSHA Standard 29 CFR 1910.120 and ANSI 88.2 (1980).

Subcontractors shall provide Whitestone with a copy of the physician's statement certifying each employee's ability to work at task-specific operations upon request.

5.2 PROJECT-SPECIFIC MEDICAL MONITORING

As noted above.

5.3 HEAT STRESS MONITORING PROGRAM

The following program shall be implemented if the ambient air temperatures exceed 70ºF.

Site personnel who wear protective clothing allow body heat to be accumulated with an elevation of the body temperature. Heat cramps, heat exhaustion, and heat stroke can be experienced, which, if not remedied, can threaten life or health. Therefore, an American Red Cross Standard First Aid book or equivalent will be maintained on site so that the SHSO and site personnel will be able to recognize symptoms of heat emergencies and be capable of controlling the problem.

When protective clothing is worn, especially Levels A, B, and C, the suggested guidelines for ambient temperature and maximum wearing time per excursion are:

Ambient Temperature (ºF)	Maximum Wearing Time Per Excursion (Minutes)
Above 90	15
85 to 90	30
80 to 85	60
70 to 80	90
60 to 70	120
50 to 60	180

One method of measuring the effectiveness of employees' rest-recovery regime is by monitoring the heart rate as follows:

- During a 3-minute period, count the pulse rate for the last 30 seconds of the first minute, the last 30 seconds of the second minute, and the last 30 seconds of the third minute.
- Double the count.

If the recovery pulse rate during the last 30 seconds of the first minute is at 110 beats/minute or less and the deceleration between the first, second, and third minutes is at least 10 beats/minute, the work-recovery regime is acceptable. If the employee's rate is above that specified, a longer rest period is required, accompanied by an increased intake of fluids.

In the case of heat cramps or heat exhaustion, "Gatorade" or its equivalent is suggested as part of the treatment regime. The reason for this type of liquid refreshment is that such beverages will return much-needed electrolytes to the system. Without these electrolytes, body systems cannot function properly, thereby increasing the represented health hazard.

This liquid refreshment will be stored in a cooler at the edge of the decontamination zone in plastic squeeze bottles. The plastic bottles will be marked with individual's names. Disposable cups with lids and straws may be used in place of the squeeze bottles. Prior to drinking within the decontamination zone, the project personnel shall follow the following decontamination procedures:

A. Personnel shall wash and rinse their outer gloves and remove them.

B. Personnel shall remove their hard hats and respirators and place on table.

C. Personnel shall remove their inner gloves and place them on table.

D. Personnel shall wash and rinse their face and hands.

E. Personnel shall carefully remove their personal bottle or cup from the cooler to ensure that their outer clothes do not touch any bottles, cups, etc.

F. The used bottle or cups will not be returned to the cooler, but will be placed in a receptacle or container to be cleaned or disposed of.

G. Personnel shall replace their respirators, hard hats, gloves, and tape gloves prior to re-entering the hazardous zone.

When personnel are working in situations where the ambient temperatures and humidity are high-and especially in situations where protection Levels A, B, and C are required, the SHSO must:

- Assure that all employees drink plenty of fluids ("Gatorade" or its equivalent);

- Assure that frequent breaks are scheduled so overheating does not occur; and
- Revise work schedules, when necessary, to take advantage of the cooler parts of the day (i.e., 5:00 a.m. to 1:00 p.m., and 6:00 p.m. to nightfall).

SECTION 6.0
Personal Protective Equipment

6.1 EQUIPMENT REQUIREMENTS

Based on an evaluation of potential hazards (see Section 2.0), the following minimum levels of protection[2] have been assigned for this project:

Work Operation	Initial Level of Protection
General Site Inspection/Evaluation Activities	Level D
Boring and Monitor Well Installation	Level D
Soil Vapor, Soil, and GW Sample Collection	Level D Modified
PID Screening	Level D
Support Zone/Decontamination Activities	Level D

The **Level D PPE** ensemble will include work clothing as dictated by weather; a hard hat; safety glasses; work gloves; and steel toe/steel shank work boots. Hearing protection (ear plugs) and disposable dust masks will be worn as directed by the SHSO (or his designated site representative). **Level D Modified** includes the afore-mentioned and latex gloves.

The initial level of protection identified is to be considered preliminary and may change based on site conditions encountered during project work (see Section 7.0). In the event that prescribed dust suppression techniques do not adequately mitigate ambient particulate concentrations, alternative mitigative measures, PPE, and/or personnel training requirements may be instituted by the SHSO. **No changes to the specified level of protection will be made without the approval of the SHSO**.

6.2 HEARING PROTECTION PROGRAM

Any and all possible controls will be used to protect employees from sound levels in excess of the levels shown in the table on the following page. If these controls are not sufficient, ear protective devices will be provided.

[2] The levels of PPE identified have been assigned by task, known/anticipated chemical toxicity (Table 1), potential exposure risks, and effectiveness of precautionary and mitigative measures. Action levels for PPE upgrade (Section 7.0, Table 2) have been set conservatively to minimize the risk of physical injury and/or exposure to field personnel.

Exposure to impulse or impact noise should not exceed 140 dBA peak sound pressure level.

Duration per days in hours	Sound level dBA Slow Response
8	90
6	92
4	95
3	97
2	100
1.5	102
1	105
0.5	110
0.25 or less	115

SECTION 7.0
Air Monitoring Program

Air monitoring will not be a required component of this project. However, the SHSO will visually monitor the worksite for dust. Water will be utilized for dust suppression as deemed necessary by the SHSO.

SECTION 8.0
Site Security/Control

8.1 SITE SECURITY AND ACCESS

The SHSO will be responsible for coordinating access to the site with the Owner's Representative. The SHSO (or his designated site representative) will be responsible for controlling access to established work areas (see Section 8.2).

8.2 ESTABLISHMENT/CONTROL OF WORK AREA

The SHSO (or his designated site representative) will be responsible for establishing work zones. Work Zones shall be defined as follows:

- **Work Zone.** The Work Zone shall include all areas where a potential hazard may exist to workers. The level of PPE required in these areas shall be as stated in Section 5.0 of this HASP and as determined by the SHSO. The Work Zone will be set-up at work location at the time of investigation.

- **Support Zone.** Whitestone's support zone shall be located in an area approved by the Owner's site representative.

The SHSO (or his designated site representative) will insure that the Work Zones are properly established and maintained. All Work Zones will be clearly laid out and delineated to prevent unauthorized access. Access to established Work Zones shall be controlled by the SHSO (or his designated site representative). **Unauthorized persons will not be permitted entry into established work areas.**

8.3 VISITOR CONTROL

All Whitestone visitors must be escorted full-time by a Whitestone employee trained in H&S requirements. At a minimum, visitors shall wear a hard hat and eye protection. Whitestone visitors shall receive a H&S orientation briefing from Whitestone's SHSO (see Section 4.6).

SECTION 9.0
Decontamination Procedures

9.1 PERSONNEL DECONTAMINATION

All personnel will be made aware of any personal habit that may allow contaminants into or onto the body. All personnel will check that regularly worn PPE (e.g., hard hats and liners, eye protection, etc.) is clean and in good condition. Any products for personal consumption or application are prohibited in any work area. Break area(s) will be limited to specific areas where eating, drinking, smoking, etc. and the storage of these materials will be allowed.

No PPE will be removed from a controlled work area without proper decontamination or disposal. All personnel leaving a controlled work area will pass through a contamination reduction zone where they will:

- Remove and discard any disposable, single use items (gloves, tyvek suits, overboots, etc.); and
- Thoroughly wash/rinse exposed skin with water and biodegradable soap (or equivalent).

Site workers are encouraged to shower and launder personal clothing as soon as possible upon completing daily activities.

All materials generated during decontamination will be drummed for disposal in accordance with applicable local, state, and federal regulations.

9.2 EQUIPMENT DECONTAMINATION

Tools and equipment that may have come into contact with contaminated materials will be decontaminated prior to commencing activities at each location, according to the following procedure:

1. Flush and wipe components to remove debris and other gross contamination.

2. Clean with potable water and non-phosphate detergent using a brush or high pressure wash, as necessary, to remove particulate matter and surface films.

3. Rinse thoroughly with potable water.

4. Allow to air dry as long as possible.

Sampling equipment (if not disposable) will be decontaminated prior to collecting each sample, according to the following procedure:

1. Wash with solution of Simple Green® (or equal) and potable (clean tap) water. Brush, if necessary, to remove all visible foreign matter.

2. Rinse with potable water.

3. Rinse with clean distilled water.

4. Visibly inspect openings and treads for solid materials.

5. Allow to air dry as long as possible on a clean polyethylene sheet or aluminum foil.

6. Wrap in clean polyethylene sheet or aluminum foil until required.

Soil will be removed from construction equipment prior to demobilization.

Wash water from equipment decontamination operations will be collected, packaged, and off-site disposal at an approved disposal facility in accordance with applicable local, state, and federal regulations.

SECTION 10.0
Site Standard Operating Procedures

Site workers will observe the following Standard Operating Safety Procedures and Engineering Controls when working at the project site.

10.1 STANDARD OPERATING SAFETY PROCEDURES

1. Ensure that all safety equipment and protective clothing is kept clean and well maintained.

2. Ensure that all prescription eyeglasses in use on this project are safety rated. Contact lenses are not permitted on site.

3. Ensure that all project personnel have vision or corrected vision to at least 20/40 in one eye.

4. Site workers found to be disregarding any provision of this HASP will, at the request of the SHSO, be barred from the project.

5. Prohibit eating, drinking, chewing gum or tobacco, and smoking in active work areas.

6. All personnel will thoroughly cleanse their hands, face, and forearms and other exposed areas prior to eating, smoking, or drinking.

7. Workers will shower at the completion of the work day.

8. All personnel will wash their hands, face, and forearms before using toilet facilities.

9. Do not allow alcohol, firearms, or drugs (without prescriptions) on site at any time.

10. All personnel who are on medication should report it to the SHSO who will make a determination whether or not the individual will be allowed to work and in what capacity. The SHSO may require a letter from the individual's personal physician stating what limitations (if any) the medication may impose on the individual.

10.2 ENGINEERING CONTROLS

The soil boring/well installation subcontractors will provide all equipment and personnel necessary to control air emissions. Water will be utilized for dust suppression as deemed necessary by the SHSO.

SECTION 11.0
Emergency Response and Contingency Plan

The following Emergency Response and Contingency Plan considers and recommends:

- Preventative measures;
- Personnel training and regular safety meetings conducted to reduce the likelihood of accidents;
- Mitigative measures to limit the scope of any accident; and
- Contingency actions to respond to and remedy the effects of accidents.

11.1 PRE-PLANNING

All work will be coordinated with the Owner's Site Representative. In addition, local police and fire departments, local hospital(s), and local ambulance services will be contacted by the SHSO prior to initiation of site operations to inform them of scheduled activities at the site if deemed necessary. Arrangements for emergency communication will be made with these organizations prior to initiating on-site operations.

Emergency response procedures will be covered as part of each site personnel's training. Training in site-specific emergency procedures will be provided by the site health and safety officer before work begins on-site in accordance with Section 5.0 of this HASP. This training will include, but is not limited to, the following;

- Emergency chain-of-command;
- Communication methods and signals;
- Location of phones and emergency numbers;
- Use of emergency equipment;
- Evacuation and emergency procedures;
- Off-site support;
- Site-specific hazards;
- Decontamination procedures;
- Standard operating procedures; and
- Location and use of first aid equipment.

11.2 EMERGENCY CHAIN-OF-COMMAND

Personnel will immediately notify the SHSO (or his designated site representative) in the event of an emergency using available communications (see Section 11.3).

The SHSO (or his designated site representative) will make a rapid assessment of the situation and take appropriate action which (depending upon emergency circumstances) can include notifying the Project Manager of the situation; initiating engineering controls (i.e., implementing dust or spill response control

measures); ordering the suspension of work; ordering evacuation of the work zone; implementing emergency altering and response procedures; requesting emergency medical treatment; and/or administering first aid.

11.3 COMMUNICATION METHODS AND SIGNALS

For emergency situations when two-way radio communication is not available or practical, oral, hand, and semaphore safety signals have been established to protect project personnel. These signals will be made available to personnel for all phases of operation before going on-site. This will ensure quick communication during adverse or emergency situations.

Examples of established signals and their meanings are provided below.

Signal	Indicates
Hand gripping throat	Out of air, can't breath
Wave hands over head from side-to-side	Attention: stand-by for next signal
Swing hand from direction of person receiving signal to directly overhead and through in a circle	Come here
Pointed finger on extended arm	Look in that direction
Grip partner's wrist or both hands around wrist	Leave the area immediately
Hands on top of head	Need assistance
Thumbs up	OK, I'm alright, I understand
Thumbs down	No, negative

Examples of audio signals include:

Signal	Indicates
Short blast of air or vehicle horn	Caution or look here
Four (4) blasts of air or vehicle horn	Leave the area

Each field team member will be assigned a buddy. Field personnel will watch for hazards or problems his/her buddy might encounter. Buddies will pre-arrange hand signals or other means of emergency signals for communication when respiratory protection or distance makes communication difficult. Communication between buddies must be maintained at all times. Visual contact must be maintained between buddies. Further, buddies must remain in close proximity to each other in order to assist in case of emergencies.

11.4 EVACUATION

Emergency escape routes will be designated by the SHSO for use in situations where rapid egress from the Exclusion Zone is required. The locations of these routes will be reviewed with site personnel during daily tool-box meetings.

An emergency evacuation alarm (i.e., air or vehicle horn) will be kept on site. A series of regularly spaced, repeated blasts (four blasts) will be used to signify that all personnel should evacuate the work area. After exiting the work area, personnel will meet at an upwind location designated by the SHSO (or his designated site representative). The emergency alarm will be sounded in the event of any serious problem or emergency on-site which requires the assistance of site personnel or the evacuation of the construction team.

In all situations when an on-site emergency results in evacuation of the Exclusion Zone, personnel will not be permitted to reenter until:

- The conditions resulting in the emergency have been corrected;
- The hazards have been reassessed;
- This HASP has been reviewed; and
- Site personnel have been briefed on any changes in the HASP.

11.5 EMERGENCY SERVICES/EMERGENCY VEHICLE ACCESS

Emergency telephone numbers (see Attachment B) will be posted at each project site telephone. Directions to the local hospital (see Attachment B) also will be posted at the site.

In the event that emergency services personnel (police, fire, rescue) need access to a location which is blocked by the working crew operations, those operations (equipment, materials, etc.) will be moved immediately to allow access. Emergency crews will be briefed as to site conditions and hazards by the SHSO (or his designated site representative).

11.6 WEATHER-RELATED HAZARD RESPONSE

Threats to site personnel can arise from natural causes (i.e., lightening, high winds, etc.). In the event that severe weather is imminent, the SHSO will notify field team members. As the storm approaches, all work will cease, loose objects will be secured, and site personnel will take shelter at pre-arranged locations. After the severe weather event has passed, the SHSO will inspect the work area for safety hazards prior to resuming work.

11.7 SPILL CONTROL ANDCONTINGENCY PLAN

A site-specific Spill Prevention and Contingency Plan for equipment refueling is provided in Attachment C.

11.8 PERSONAL INJURIES

In the event of personal injuries the following procedures will be enacted.

1. ***Initial alarm and first aid.*** Upon observation of an injury, employees will quickly get the attention of other nearby workers; immediately act to protect the injured person from a life-threatening situation; render appropriate first aid; and warn unsuspecting persons of the potential hazard.

2. ***Notify the SHSO.*** Utilizing available personal radio communications or other rapid communication methods, the SHSO (or his designated site representative) will be notified of the situation, the identity of the injured person, the type of injury, and the project site location.

3. ***Ambulance and hospital services***. The SHSO (or his designated site representative) will immediately assess the situation and, if necessary, notify the designated off-site hospital of the emergency situation.

4. ***Follow-up***. The SHSO will determine why the injury occurred, and will take appropriate steps to prevent a similar recurrence. Events associated with the injury will be recorded in the safety officer's logbook.

An Incident Report Form (sample provided in Attachment A) must be completed by the SHSO and submitted to Project Manager within 24 hours of the injury.

11.8.1 Personnel Injury in the Exclusion Zone

Upon notification of any injury in the Exclusion Zone, the designated emergency signal will be sounded. All site personnel will assemble at a pre-arranged location. A rescue team made up of the SHSO (or his designated site representative) and other personnel as needed who have received proper training (see Section 4.0) will enter the Exclusion Zone (if required) to remove the injured person to the boundary of the Exclusion Zone.

The SHSO (or his designated site representative) then will evaluate the nature of the injury. Appropriate first aid will be initiated (see Section 11.12), and the ambulance and designated medical facility (Attachment B) will be contacted if required. No persons will reenter the Exclusion Zone until the cause of the injury or symptoms of the illness have been determined.

11.8.2 Personnel Injury in the Support Zone

Upon notification of an injury in the Support Zone, the SHSO (or his designated site representative) will assess the nature of the injury. If the cause of the injury or loss of the injured person does not affect the

performance of site personnel, operations may continue. The appropriate first aid will be initiated (see Section 11.12) and necessary follow-up as stated in Section 11.5 above. If the injury increases the risk to others, the designated emergency signal will be sounded and all site personnel will move a prearranged location for further instructions. Activities on site will stop until the added risk is removed or minimized.

11.9 FIRE/EXPLOSION

The following contingency plan will be implemented in the event of a fire at the project site.

1. ***Initial Alarm.*** Upon observation of any on-site fire, personnel must immediately notify the SHSO (or his designated on-site representative). No attempt will be made to extinguish the fire prior to sounding the alarm.

2. ***Control and/or extinguish small fires which can be suppressed promptly with available on-site equipment***. Without risking personal injury, an attempt will be made to control or extinguish small fire(s) utilizing ABC-type fire extinguishers. Water will not be used except on wood or paper fires.

3. ***Notify local fire company.*** The SHSO (or his designated on-site representative) will immediately assess the situation and, if deemed necessary, notify the local fire department of the location and type of fire or explosion. If required, the SHSO (or his designated site representative) will immediately order the site evacuated if a fire occurs which cannot be controlled with a portable fire extinguisher.

4. ***Follow-up.*** The SHSO will determine why the fire or explosion occurred, and will take appropriate steps to prevent a similar recurrence. Events associated with the fire or explosion will be recorded in the safety officer's logbook.

An Incident Report Form (sample provided in Attachment A) must be completed by the SHSO and submitted to the Project Manager within 24 hours of the fire/explosion.

11.10 PERSONAL PROTECTIVE EQUIPMENT FAILURE

If any site worker experiences a failure or alteration of protective equipment that affects the protection factor, that person and his/her buddy immediately will leave the Exclusion Zone and notify the SHSO (or his designated site representative). Reentry will not be permitted until the equipment has been replaced or repaired.

11.11 OTHER EQUIPMENT FAILURE

If any on-site equipment other than PPE (see Section 11.10 above) fails to operate properly, the SHSO (or his designated site representative) will be notified. The SHSO (or his designated site representative) then will determine the effect of this failure on continuing operations on site. If the failure affects the safety of personnel or prevents the completion of the RI tasks, all personnel will leave the Work Zone until the situation is evaluated and all appropriate actions taken.

11.12 EMERGENCY EQUIPMENT AND ON-SITE FIRST AID

Emergency and first aid equipment to be maintained on-site includes:

- At least one first aid kit will be provided and maintained fully stocked at the site.
- The first aid kit locations will be specifically marked by the SHSO. Adequate water and other supplies necessary to cleanse and decontaminate burns, wounds, or lesions will be provided.
- 2A-10 B:C type dry chemical fire extinguishers will be provided at all site locations where flammable materials present a fire risk.

Agencies and medical facilities to be contacted in the event of an on-site emergency are identified in Attachment B of this HASP. The Emergency Response Notification Table also includes the route to the nearest hospital. The table will be posted in a prominent location(s) on site.

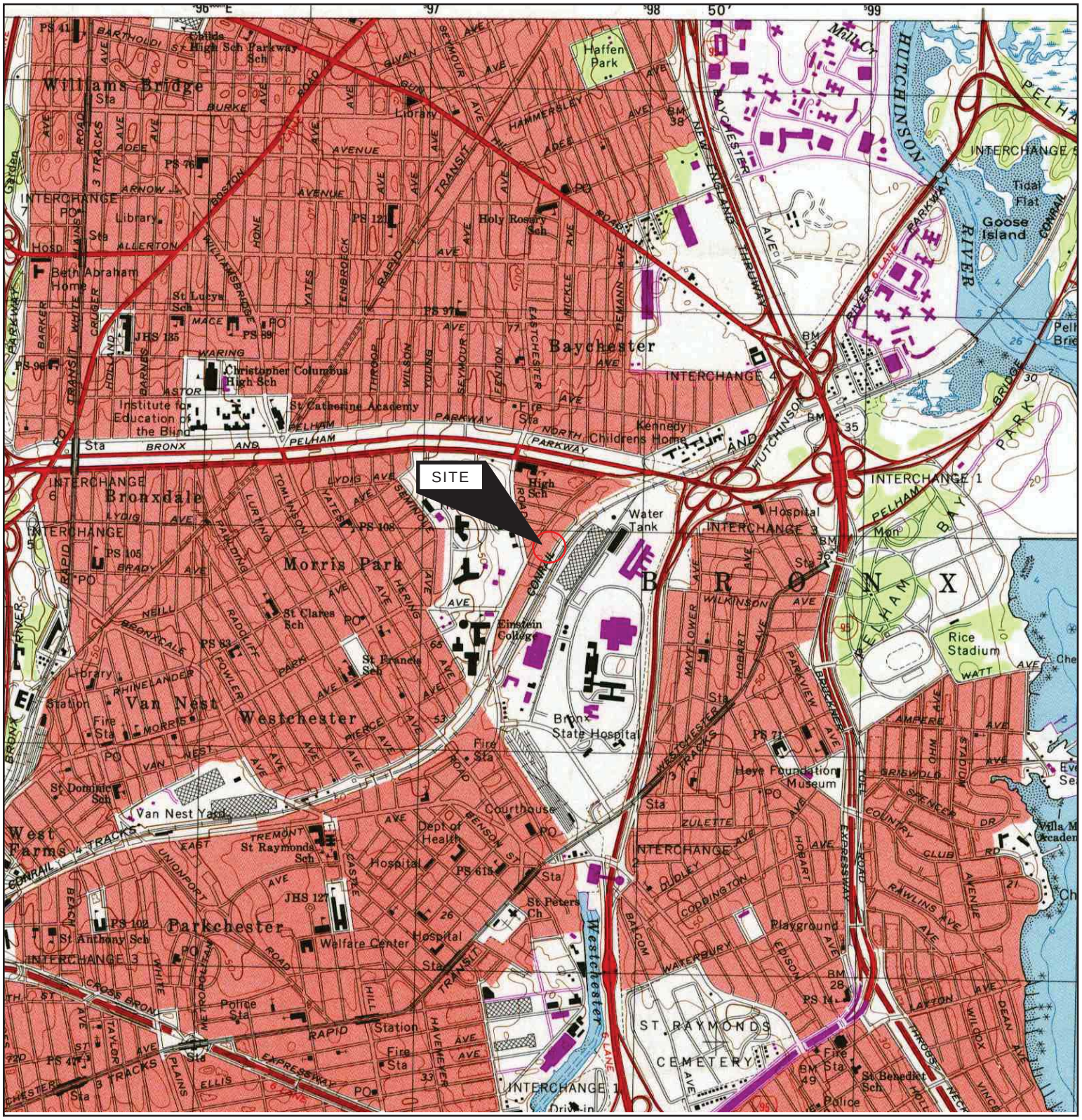
If a site worker becomes injured or ill, Red Cross first aid procedures will be followed. First aid or other appropriate initial actions will be provided by the site personnel closest to the incident. If the injury to the worker is chemical in nature, the following first aid procedures are to be instituted:

- ***Eye Exposure.*** If contaminated solids or liquids get into the eyes, wash eyes immediately using large amounts of water and lifting the lower and upper lids occasionally. Wash for at least 15 minutes. Obtain medical attention.
- ***Skin Exposure.*** If contaminated solids or liquids get on the skin, promptly wash the contaminated skin using soap and water. Obtain medical attention immediately when exposed to concentrated solids or liquids.
- ***Respiratory Exposure.*** Move victim to fresh air at once and begin CPR. Obtain immediate medical attention.
- ***Ingestion Exposure.*** For swallowed contaminants, identify the item swallowed. Follow appropriate procedures and obtain medical attention as soon as possible.

NOTE: Any person transported to the hospital for treatment related to an exposure injury will take with them the appropriate information (i.e., Table 1 of this HASP or MSDS) on the chemical(s) to which he/she has been exposed. MSDSs (if available) for chemicals known or suspected to exist on site will be maintained on site by the SHSO.

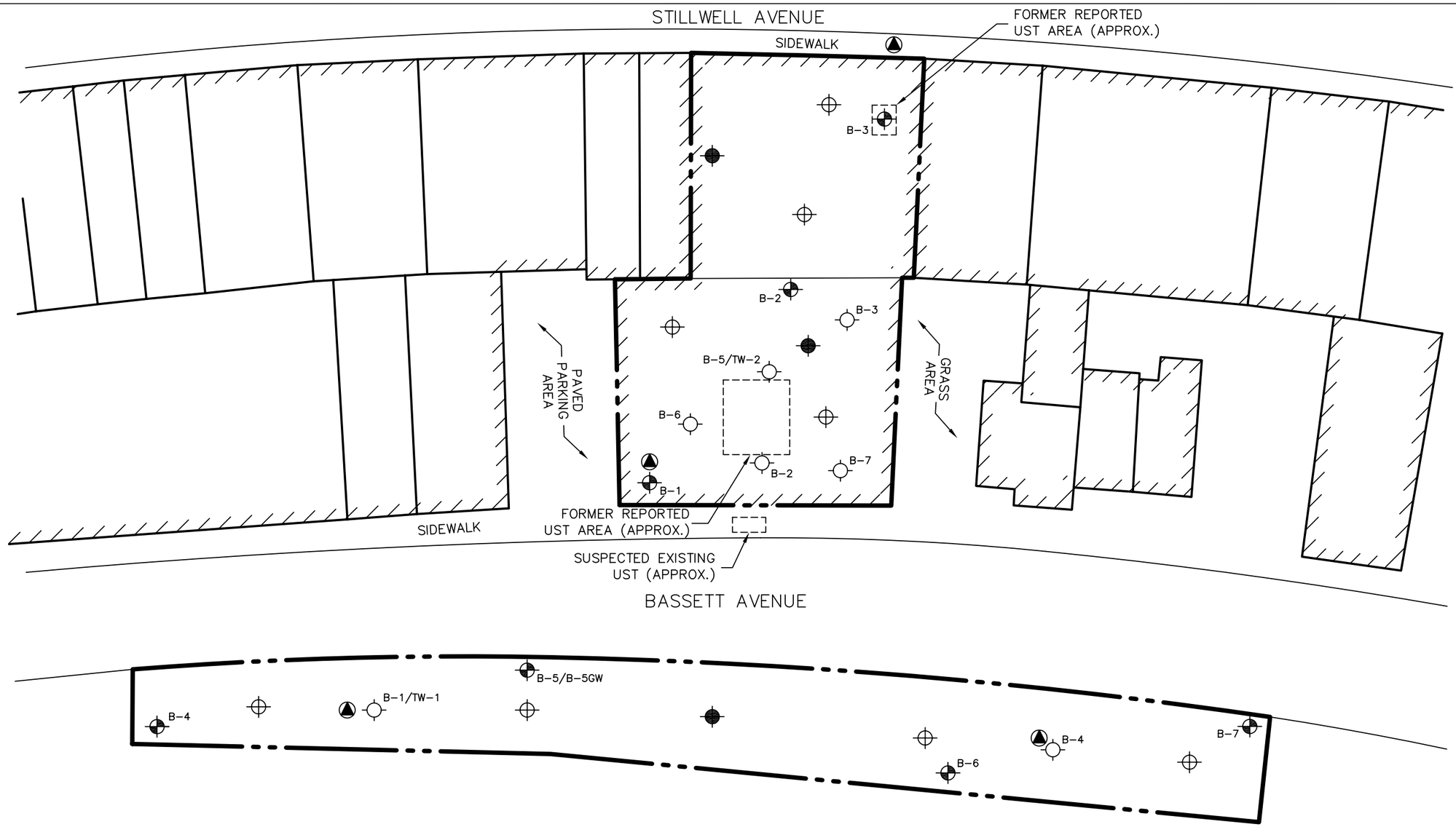
FIGURE 1
Site Location Map

Historical Topographic Map



N	TARGET QUAD NAME: FLUSHING MAP YEAR: 1995 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Former Amsterdam Color Works ADDRESS: 1538-1546 Stillwell Avenue Bronx, NY 10461 LAT/LONG: 40.8538 / -73.8419	Whitestone Associates, Inc. FIGURE 1

FIGURE 2
Proposed RI Sampling Location Plan



LEGEND/NOTES

	PROPOSED BORING LOCATION (APPROX.)
	PROPOSED SOIL VAPOR SAMPLE LOCATION (APPROX.)
	PROPOSED BEDROCK MONITOR WELL LOCATION (APPROX.)
B-1/TW-1	OCTOBER 2011 BORING/TEMPORARY WELLPOINT LOCATION (APPROX.)
B-5/B-5GW	MARCH 2012 SUPPLEMENTAL BORING /TEMPORARY WELLPOINT LOCATION (APPROX.)
UST	UNDERGROUND STORAGE TANK
	SUBJECT PROPERTY BOUNDARY (APPROX.)

REFERENCE

THIS PLAN IS BASED UPON AN UNDATED AERIAL IMAGE OBTAINED FROM GOOGLE MAPS AND AN UNDATED CONCEPT SITE PLAN PREPARED BY BUTZ WILBERN, LTD.

0 50
1 inch = 50 ft.

WHITESTONE ASSOCIATES, INC.
35 TECHNOLOGY DRIVE
WARREN, NEW JERSEY 07059
908.668.7777 • 908.754.5936 FAX

FIGURE:	SCALE:	DATE:	PROJ. MGR.:	BY:	PROJECT #:
1	1" = 50'	06/05/12	CS	KR	EJ1111829.001

TITLE: **PROPOSED RI SAMPLING LOCATION PLAN**

CLIENT: STILLWELL STORAGE, LLC C/O THE HAMPSHIRE COMPANIES

PROJECT: REMEDIAL INVESTIGATION
PROPOSED SELF-STORAGE FACILITY
1538 AND 1546 STILLWELL AVENUE AND
1547 AND 1549 BASSETT AVENUE
BRONX, BRONX COUNTY, NEW YORK

L:\Job Folders\2011\1111829EJ\Drawings and Plans\1111829.001 PSLP.dwg

ATTACHMENT A
Sample Health & Safety Report Forms

DAILY SAFETY REPORT

Project Name: Proposed Commercial Facility Remedial Investigation Date: _____
Project Location: Stillwell & Bassett Avenues; Bronx, NY

Weather Conditions

_____ A.M. _____ P.M.	Rain/Snowfall: _____ Inches (Approx.) Temp.: ___ºF (Minimum) ___ºF (Maximum)

Scheduled Work Activities

Personnel	Activity	PPE	Equipment

Noticed Deficiencies/Corrective Action

Deficiency	Corrective Action	Date Corrected	Time Corrected

Accidents/Incidents/Illnesses: (Briefly Describe and Complete In Full Incident Report Form For Submittal to the Project Manager and QC Supervisor.) _____
_____
_____
_____

Miscellaneous Comments: _____
_____
_____
_____

Report Completed By:

_____ _____
SHSO (Printed Name) SHSO (Signature)

Date: _____

EMPLOYEE MEETING RECORD

Project Information:

Project Name: Proposed Commercial Facility Remedial Investigation
Project Location: Stillwell & Bassett Avenues; Bronx, NY

Meeting Information:

Meeting Date: _____ Instructor: _____

Start Time: _____ ❑ A.M. ❑ P.M. End Time: _____ ❑ A.M. ❑ P.M.

Materials Covered: _____
_____
_____
_____

Name of Person Attending	Social Security Number	Signature

Instructor Signature: _____ Date: _____

INCIDENT REPORT

Project Name: _____ Report Date: _____

Project Location: _____ Project No. _____

Report Prepared By: _____ Page: 1 of 5

Date of Incident: _____ Time of Incident: _____

INCIDENT CATEGORY (Check All That Apply):

_____ Injury	_____ Illness	_____ Property Damage
_____ Near Miss	_____ Fire	_____ Chemical Exposure
_____ Motor Vehicle	_____ On Site Equipment	_____ Electrical
_____ Mechanical	_____ Other (Describe):	_____

NARRATIVE REPORT OF INCIDENT: Provide sufficient detail so that the reader may fully understand the actions leading to the incident, the incident occurrence, and actions following the incident. Append additional sheets of paper if necessary.

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

WITNESS TO INCIDENT:

1 Name: _____

Company: _____

Address: _____

Telephone Number: _____

2 Name: _____

Company: _____

Address: _____

Telephone Number: _____

INCIDENT REPORT

INJURIES - FIRST INJURED PERSON:

Name of Injured: _____

Street Address: _____

City/State/Zip: _____

SSN: _____ Age: _____ Sex: _____

Years of Service: _____ Time on Present Job: _____

Job Title/Classification: _____

Severity of Injury: ❑ Non-Disabling ❑ Disabling ❑ Fatality ❑ Medical Treatment

Estimated No. of Days Away from Job: _____

Nature of Injury/ Illness: _____

Classification of Injury:

_____ Fractures	_____ Heat Burns	_____ Cold Exposure
_____ Dislocations	_____ Chemical Burns	_____ Frostbite
_____ Sprains	_____ Radiation Burns	_____ Heat Stroke
_____ Abrasions	_____ Bruises	_____ Heat Exhaustion
_____ Lacerations	_____ Blisters	_____ Concussion
_____ Punctures	_____ Toxic Resp. Exp.	_____ Faint/Dizziness
_____ Bites	_____ Respiratory Allergy	_____ Toxic Ingestion
_____ Dermal Allergy	_____ Other (Describe):	_____

Part of Body Affected: _____

Degree of Disability: _____

Date Medical Care was Received: _____

Where Medical Care was Received: _____

Address of Medical Care (If Off-Site): _____

If Hospitalized:

Hospital Name: _____

Address: _____

Telephone Number: _____

Physician:

Name: _____

Address: _____

Telephone Number: _____

INCIDENT REPORT

INJURIES - SECOND INJURED PERSON:
If more than two injuries, provide information on separate sheet.

Name of Injured: _____

Street Address: _____

City/State/Zip: _____

SSN: _____ Age: _____ Sex: _____

Years of Service: _____ Time on Present Job: _____

Job Title/Classification: _____

Severity of Injury: ❑ Non-Disabling ❑ Disabling ❑ Fatality ❑ Medical Treatment

Estimated No. of Days Away from Job: _____

Nature of Injury/ Illness: _____

Classification of Injury:

_____ Fractures	_____ Heat Burns	_____ Cold Exposure
_____ Dislocations	_____ Chemical Burns	_____ Frostbite
_____ Sprains	_____ Radiation Burns	_____ Heat Stroke
_____ Abrasions	_____ Bruises	_____ Heat Exhaustion
_____ Lacerations	_____ Blisters	_____ Concussion
_____ Punctures	_____ Toxic Resp. Exp.	_____ Faint/Dizziness
_____ Bites	_____ Respiratory Allergy	_____ Toxic Ingestion
_____ Dermal Allergy	_____ Other (Describe):	_____

Part of Body Affected: _____

Degree of Disability: _____

Date Medical Care was Received: _____

Where Medical Care was Received: _____

Address of Medical Care (If Off-Site): _____

If Hospitalized:

Hospital Name: _____

Address: _____

Telephone Number: _____

Physician:

Name: _____

Address: _____

Telephone Number: _____

INCIDENT REPORT

PROPERTY DAMAGE:

Brief Description of Property Damaged: _____

_____

_____

_____

_____

_____

_____

Estimate of Damage: $ _____

INCIDENT LOCATION:

_____

_____

_____

_____

_____

INCIDENT ANALYSIS:

Causative Agency Most Directly Related to Accident (Object, Substance, Material Machinery, Equipment, Conditions): _____

_____

_____

_____

Was weather a factor? _____

Unsafe Mechanical/Physical/ Environmental Condition at Time of Incident (Be Specific, **Must be Answered**): _____

_____

_____

_____

Personal Factors (Improper Attitude, Lack of Knowledge or Skill, Slow Reaction, Fatigue): _____

_____

_____

_____

INCIDENT REPORT

ON-SITE INCIDENTS:

Level of Personal Protection Equipment Required in Site Safety Plan: _____

Modifications: _____

Was Injured Using Required Equipment? ❑ YES ❑ NO

Comments: _____

If not, how did actual equipment use differ from Plan? _____

ACTION TAKEN TO PREVENT RECURRENCE: Be very specific. What has or will be done? When will it be done? Who is the responsible party to insure that the correction is made?

_____

INCIDENT REPORT COMPLETED BY:

(Printed Name) (Signature)

OTHERS PARTICIPATING IN INVESTIGATION:

(Printed Name/Title) (Signature)

(Printed Name/Title) (Signature)

(Printed Name/Title) (Signature)

INCIDENT FOLLOW-UP REPORT

Project Name: Proposed Commercial Facility RI Report Date: _____

Project Location: Stillwell & Bassett Avenues; Bronx, NY Project No. _____

Report Prepared By: _____ Incident Date: _____

BRIEF DESCRIPTION OF INCIDENT:

_____

_____

_____

_____

_____

_____

OUTCOME OF INCIDENT:

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

PHYSICIAN'S RECOMMENDATIONS:

_____

_____

_____

_____

_____

_____

DATE INJURED RETURNED TO WORK: _____

AIR MONITORING REPORT

Project Name: Proposed Commercial Facility RI

Date: _____

Project Location: Stillwell & Bassett Avenues

Project No.: _____

Bronx, New York

Page: 1 2

INSTRUMENT CALIBRATION:

Instrument	Calibrated By:	Date	Time(s)	

PERIMETER & PERSONNEL SAMPLING:

Perimeter Samples Collected: _____

Perimeter and Personnel Sample Results from Previous Days (Provide Data When Received, Indicate Date on Which Sample Was Collected): _____

METEOROLOGICAL DATA:

Temperature: _____ ºF Wind Direction: _____ Humidity: _____ %

Weather Condition (e.g., Gusty, Rain, Snow, Sun, Etc.) _____

COMMENTS:

_____

AIR MONITORING REPORT

Project Name: Proposed Commercial Facility RI Date: _____

Project Location: Stillwell & Bassett Avenues Project No.: _____

Bronx, New York Page: 1 2

OPERATION MONITORED: (If instruments have recorders, attach tape to report. Note when action levels are exceeded. Indicate response taken.)

Instrument	Sampling Location	Sample Time	Reading	Action Level Exceeded? Yes	No	Action(s) Taken

REPORT PREPARED BY:

_____ _____

(Printed Name) (Signature)

_____

(Date)

HSFORM-007/REV.4/9-05

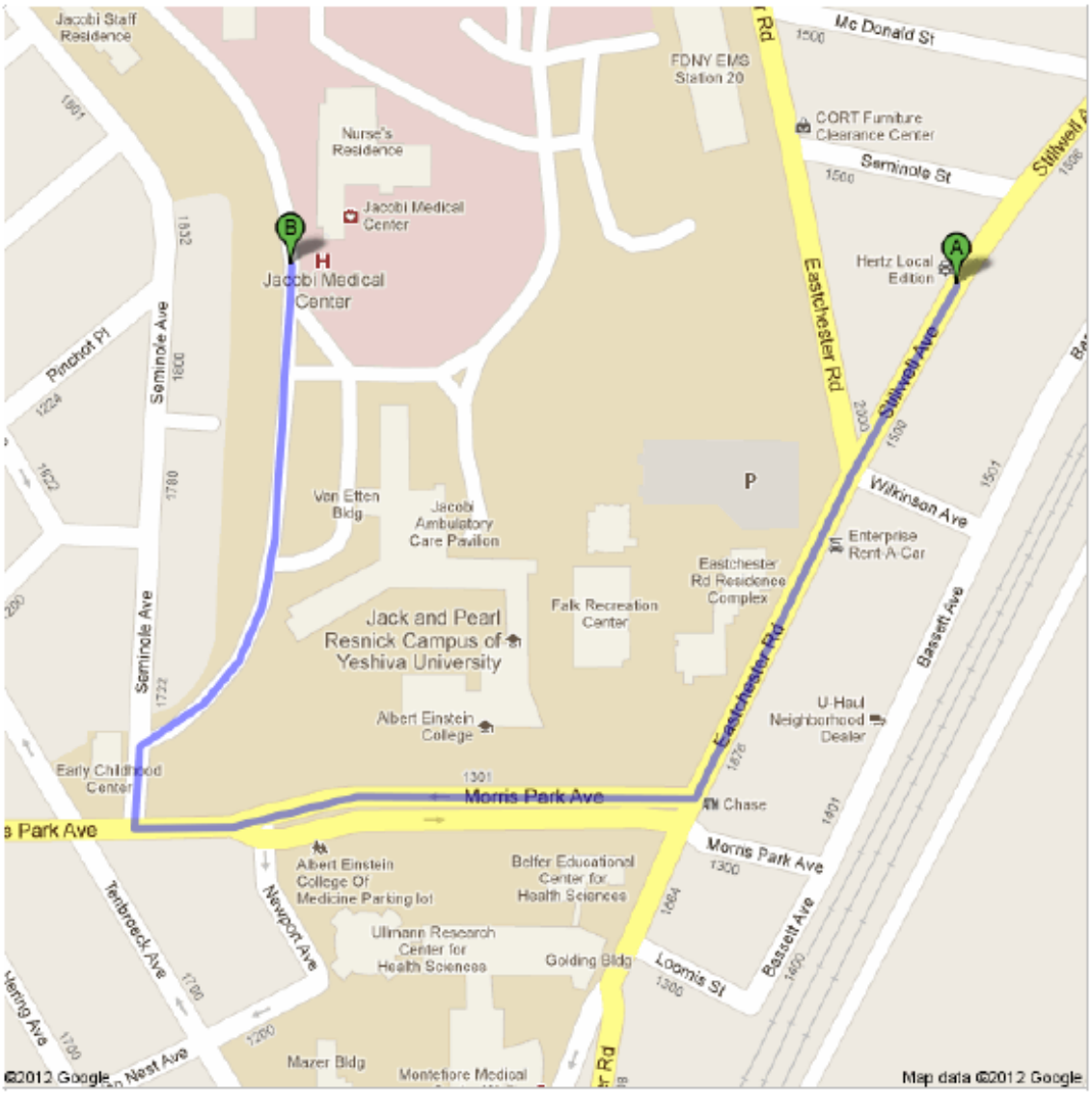
ATTACHMENT B
Emergency Notification Table and Map to Hospital

EMERGENCY NOTIFICATION TABLE
(Post On Site)

Agency	Contact	Phone Number
Police	Emergency	911
Fire	Emergency	911
EMS/Ambulance	Emergency	911
Hospital	Jacobi Medical Center 1400 Pelham Parkway South New York, NY 10461	(718) 918-5000
Whitestone Associates, Inc.	Christopher Seib Project Manager	(908) 668-7777 *Office* (908) 803-2825 *Mobile*
	Patrick Beesley Site Inspector/Safety Officer	(908) 668-7777 *Office* (908) 285-2489 *Mobile*
Client Representatives (Stillwell Storage, LLC)	Donald J. Engels	(973) 292-9595 *Office* (973) 615-6851 *Mobile*
Owner Representative (Amsterdam Color Works)	Stephen Offerman	(718) 828-8000 *Office*
Spill Hotline	NYCDEP NYSDEC	(718) 595-4646 (800) 457-7362
NYC Office of Env. Remediation	Hannah Moore, Project Manager	(212) 442-6372
USEPA	Emergency Response Center	(800) 425-8500
	Regional Office	(800) 438-2474
Chemical Emergency Advice	CHEMTREC	(800) 424-9300
Poison Control Center	Hotline	(800) 962-1258
Utility Locating Service	New York City One-Call	(800) 272-4480 or 811
DIRECTIONS TO HOSPITAL (See Attached Map)	Jacobi Medical Center is located 0.6 mile (approximately 2 minutes) from the site at 1400 Pelham Parkway South. FROM SITE: Head southwest on Stillwell Avenue toward Wilkinson Avenue. Continue onto Eastchester Road. Turn right onto Morris Park Avenue. Take the 1st right onto Seminole Avenue. Turn right into medical center and follow signs to emergency room.	

MAP TO HOSPITAL

Directions to Jacobi Medical Center
1400 Pelham Parkway South, New York, NY 10461 - (718) 918-5000
0.6 mi – about 2 mins



A 1538 Stillwell Ave, Bronx, NY 10461

	1. Head **southwest** on **Stillwell Ave** toward **Wilkinson Ave**	go 413 ft total 413 ft
	2. Continue onto **Eastchester Rd**	go 0.1 mi total 0.2 mi
↱	3. Turn right onto **Morris Park Ave**	go 0.2 mi total 0.4 mi
↱	4. Take the 1st right onto **Seminole Ave**	go 157 ft total 0.4 mi
↱	5. Turn right Destination will be on the right	go 0.2 mi total 0.6 mi

B **Jacobi Medical Center**
1400 Pelham Parkway South, New York, NY 10461 - (718) 918-5000

ATTACHMENT C
Spill Prevention and Contingency Plan

ATTACHMENT C
Spill Prevention and Contingency Plan

This Spill Prevention and Contingency Plan (SPCP) has been prepared for activities associated with the remedial site investigation to be conducted at the existing commercial building and storage lots (proposed self-storage facility) located at 1538 and 1546 Stillwell Avenue and Bassett Avenue in Bronx, Bronx County, New York . Copies of this plan will be maintained by the SHSO on site. This plan will be reviewed with field personnel prior to project start-up and thereafter as necessary during regular safety meetings and daily briefings.

1.0 SPILL EMERGENCY NUMBERS

The names and phone numbers of emergency services and offices to be contacted in the event of a spill or other on-site emergency is provided in Attachment B of the HASP. This table will be posted by the SHSO in prominent position(s) throughout the site.

2.0 DEFINITION

For the purposes of this plan, a spill is defined as any material accidentally or intentionally leaked, pumped, poured, dumped, or emitted onto the ground, surface water, groundwater, or air. All spilled material will be considered hazardous; cleaned up following established spill response procedures; and reported as described in Section 4.0 of this plan.

Spills will be categorized in one of two ways: Priority 1 or Priority 2.

- ***Priority 1 spills*** result in a significant release of contamination into the air or onto the ground outside the exclusion zone.
- ***Priority 2 spills*** result in minor spillage (less than five [5] gallons) which can be cleaned up easily.

3.0 POTENTIAL SOURCES AND PREVENTATIVE MEASURES

The contracted work has one potential spill source.

Potential Spill Source	Preventative Measure(s)
Refueling on-site equipment	The amount of fuel kept on site should be limited to only that required for daily equipment usage. An easily accessible spill response station will be set up in the immediate vicinity of the equipment fueling area. The spill response station should contain absorbent pillows, floor dry, shovels, and/or brushes to be used in the event of a spillage.

4.0 SPILL RESPONSE PROCEDURES

The following procedures will be utilized in the event of a spill or release at the project site.

4.1 Initial Containment and Response

In the event of a spill, the following initial containment and response procedures must be implemented immediately.

1. ***Administer first aid to injured/contaminated persons.*** Any employee observing a spill will act immediately to remove and/or protect injured/contaminated persons from any life-threatening situation. First aid and/or decontamination procedures (see HASP, Section 11.12) will be implemented as appropriate.

2. ***Warn unsuspecting persons/vehicles of the hazard.*** Personnel will act to prevent any unsuspecting persons from coming in contact with spilled materials by alerting other nearby persons and by obtaining assistance of other project personnel who are familiar with spill control and cleanup techniques.

3. ***Stop the spill at the source, if possible.*** Without taking unnecessary risks, personnel will attempt to stop the spill at the source. This may involve activities such as uprighting a drum, closing a valve, or temporarily sealing a hole with a plug. Contractor personnel will not expend more than a brief effort prior to notifying the SHSO.

4. ***Notify the SHSO.*** Utilizing available on-site communication systems or other rapid communication procedures, the SHSO will be notified of the spill, including information on material spilled, quantity, personnel injuries, and immediate life-threatening hazards.

NOTE: If a flammable liquid is involved in the spill, remove all ignition sources and monitor for explosive conditions with an explosimeter during the clean-up. Also, remove any surrounding materials that might chemically react with the spill materials.

4.2 Spill Containment

The SHSO will make a rapid assessment of any spill occurring at the project site; apply the appropriate safety considerations to the use of protective clothing and equipment in the spill release zone; and direct primary containment measures.

Depending upon the nature of the spill, primary containment measures may include, but are not limited to:

- Constructing a temporary containment berm to control the horizontal flow of the spill using absorbent pads, booms, sandbags, sand, and/or other inert materials;

- Placing drums under the leak to collect the spilling material before it flows onto the ground;

- Digging a sump, installing a polyethylene liner, and diverting the spilled material to the sump; and/or
- Transferring the material from its original container to another container.

The SHSO will notify the Project Manager about the spill and steps taken to institute primary containment.

4.3 Spill Clean-Up

The SHSO and project manager will develop an incident-specific spill clean-up plan which takes into consideration associated hazards, quantity of spilled material, disposal methods, and costs. The incident-specific spill clean-up plan will be reviewed for acceptance by the Environmental Engineer and/or other involved federal, state, or local regulatory personnel.

Once approved, the spill clean-up plan will be implemented under the direct supervision of the SHSO.

Generally, all visually detectable spills, leaks, or releases of fuel oil will be collected and cleaned up using absorbent pads, booms, sandbags, sand, and/or other inert materials as practicable using the response procedures outlined below.

Spill Type	Response
Waste Oil on Ground	Contain spill and excavate visually contaminated soil. Containerize, sample for classification purposes, and dispose off site.
Building/Paved Surfaces	Contain spill. Power wash contaminated area. Collect and containerize resultant washwater. Sample for classification purposes and dispose off site.
Vehicle	Power wash in CRZ. Collect, handle, and dispose of decon fluids.

4.4 Inspection

A representative of the Environmental Engineer, the SHSO, and the Project Manager will jointly inspect the spill site to determine that the spill has been cleaned up to the satisfaction of involved regulatory agencies.

4.5 Spill Reporting

In the event of an incident, the SHSO will:

1. Immediately contact the Project Manager.
2. Initiate the emergency procedure steps provided in Sections 4.1 and 4.2 of this Plan, and
3. Complete a Spill Report Form (attached) for submittal to the Project Manager.

Priority 1 spills will be reported immediately following the incident. A written report will be submitted not more than seven days after the telephone call reporting the occurrence. The written report will include the

item spilled, quantity, identification and manifest numbers, whether the amount spilled is USEPA/State/District reportable, exact location, containment procedures used, anticipated clean-up and disposal procedures, and disposal of spill residue.

5.0 EQUIPMENT

The following spill control equipment will be utilized as needed:

- Spill (absorbent) pads;
- Floor dry;
- Shovels and brushes;
- Salvage drums;
- Polyethylene sheeting;
- Sandbags;
- Pneumatic foam;
- Emergency eye wash station;
- Emergency decontamination equipment;
- Fire extinguishers, 10 A-20BC rated; and
- Modified Level D PPE.

SPILL REPORT FORM

Project Name: Proposed Commercial Facility Remedial Investigation
Project Location: Stillwell & Bassett Avenues; Bronx, NY

TYPE OF SPILL:

1. ❑ Priority 1 (Significant) ❑ Priority 2 (< 5 Gallons)

2. Date of Spill: _____/_____/_____

3. Time: _____ ❑ A.M. ❑ P.M.

4. Estimated Amount of Spill: _____

5. Type of Material: _____

6. Location: _____

7. Identify Potential Impacts: _____

8. Cause of Spill: _____

_____

9. Method of Containment and Cleanup Measures Taken (Describe): _____

_____

_____

_____

10. Contacts Made (If Priority 1):

State: _____
Fire: _____
Police: _____
Other: _____

11. Other Preventative Measures Taken: _____

REPORT PREPARED BY:

_____ _____
Printed Name, Title Signature

_____ _____
Company Name Date

APPENDIX 3
Boring/Monitoring Well Logs

WHITESTONE ASSOCIATES, INC.

RECORD OF SUBSURFACE EXPLORATION

Boring No.: B - 1/TW-1

Project:	Proposed Self-Storage Facility	WAI Project No.:	EJ1111829.000
Location:	1538 Stillwell Avenue and 1540 Bassett Avenue, Bronx, Bronx County, New York	Client:	Stillwell Self Storage, LLC

				Water Depths / Elevations (feet / feet-msl)		
Surface Elevation:	**Not Surveyed**	Date Started:	**10-19-11**			
Termination Depth:	**13.0 feet bgs**	Date Completed:	**10-19-11**			
Drilling Method:	**Geoprobe**	Logged By:	**P. Beesley**	While Drilling:	**8.0**	▽
Test Method:	**Macro-Core**	Contractor:	**Hawk Drilling, Inc.**	At Completion:	**8.0**	▽
		Machine:	**Dingo**	24 Hours:	**NA**	▼

Depth (feet)	Strata	DESCRIPTION OF MATERIALS (Classification)	PID Readings (ppm)	Rec. (in.)	Depth (feet)
0.0	A	0.0 - 0.3 Asphalt	0.0		0.0
	FILL	0.3 - 3.0 Brown Coarse to Fine Sand, Little Silt, Trace Gravel and Debris (Wood, Coal)	0.0		
			0.0		
		3.0 - 12.0 Black Coarse to Fine Sand, Some Silt, Trace Gravel and Debris (Wood, Coal)	0.0		
			0.0	30	
5.0			0.0		5.0
			0.0		
			0.0		
▼ ▽			0.0	8	
			0.0		
10.0			0.0		10.0
			0.0	6	
		12.0 - 13.0 Black Coarse to Fine Sand and Silt, Trace Gravel	0.0	6	
		Boring B-1/TW-1 Terminated at a Depth of 13.0 Feet Below Ground Surface (fbgs) Due to Refusal Soil Sample B-1 Collected From 2.5 fbgs to 3.0 fbgs at 9:30 Groundwater Sample TW-1 Collected at 10:00			
15.0					15.0
20.0					20.0
25.0					25.0

NOTES: NE = Not Encountered, NA = Not Applicable, PID=Photoionization Detector

WHITESTONE ASSOCIATES, INC.

RECORD OF SUBSURFACE EXPLORATION

Boring No.: B - 2

Project:	Proposed Self-Storage Facility	WAI Project No.:	EJ1111829.000
Location:	1538 Stillwell Avenue and 1540 Bassett Avenue, Bronx, Bronx County, New York	Client:	Stillwell Self Storage, LLC

				Water Depths / Elevations (feet / feet-msl)	
Surface Elevation:	**Not Surveyed**	Date Started:	**10-19-11**		
Termination Depth:	**12.5 feet bgs**	Date Completed:	**10-19-11**		
Drilling Method:	**Geoprobe**	Logged By:	**P. Beesley**	While Drilling:	**NE**
Test Method:	**Macro-Core**	Contractor:	**Hawk Drilling, Inc.**	At Completion:	**NE**
		Machine:	**Dingo**	24 Hours:	**NA**

Depth (feet)	Strata	DESCRIPTION OF MATERIALS (Classification)	PID Readings (ppm)	Rec. (in.)	Depth (feet)
0.0	C	0.0 - 0.4 Concrete	0.0		0.0
	FILL	0.4 - 12.5 Gray to Black Coarse to Fine Sand, Little Silt, Trace Gravel and Debris (Concrete)	0.0		
			9.7		
			11.2	15	
			32.5		
5.0			727		5.0
			690		
			1,157	12	
			210		
			50.0		
10.0			0.0		10.0
			0.0		
			0.0	12	
		Boring B-2 Terminated at a Depth of 12.5 Feet Below Ground Surface (fbgs) Due to Refusal Soil Sample B-2 Collected From 7.5 fbgs to 8.0 fbgs at 10:50			
15.0					15.0
20.0					20.0
25.0					25.0

NOTES: NE = Not Encountered, NA = Not Applicable, PID=Photoionization Detector

WHITESTONE ASSOCIATES, INC.

RECORD OF SUBSURFACE EXPLORATION

Boring No.: B - 3

Project:	Proposed Self-Storage Facility	WAI Project No.:	EJ1111829.000
Location:	1538 Stillwell Avenue and 1540 Bassett Avenue, Bronx, Bronx County, New York	Client:	Stillwell Self Storage, LLC

				Water Depths / Elevations (feet / feet-msl)	
Surface Elevation:	**Not Surveyed**	Date Started:	**10-19-11**		
Termination Depth:	**9.5 feet bgs**	Date Completed:	**10-19-11**		
Drilling Method:	**Geoprobe**	Logged By:	**P. Beesley**	While Drilling:	**NE**
Test Method:	**Macro-Core**	Contractor:	**Hawk Drilling, Inc.**	At Completion:	**NE**
		Machine:	**Dingo**	24 Hours:	**NA**

Depth (feet)	Strata	DESCRIPTION OF MATERIALS (Classification)	PID Readings (ppm)	Rec. (in.)	Depth (feet)
0.0	C	0.0 - 0.2 Concrete	0.0		0.0
	FILL	0.2 - 7.0 Brown Coarse to Fine Sand, Little Silt, Trace Gravel and Debris (Wood, Coal)	0.0		
			0.0		
			0.0		
			0.0	30	
5.0			321		5.0
			1,007		
		7.0 - 9.5 Gray to Black Coarse to Fine Sand, Some Silt, Trace Gravel and Mica Flakes	790	39	
			980		
			1,220	16	
10.0		Boring B-3 Terminated at a Depth of 9.5 Feet Below Ground Surface (fbgs) Due to Refusal Soil Sample B-3 Collected From 8.5 fbgs to 9.0 fbgs at 11:25			10.0
15.0					15.0
20.0					20.0
25.0					25.0

NOTES: NE = Not Encountered, NA = Not Applicable, PID=Photoionization Detector

WHITESTONE ASSOCIATES, INC.

RECORD OF SUBSURFACE EXPLORATION

Boring No.: B - 4

Project:	Proposed Self-Storage Facility	WAI Project No.:	EJ1111829.000
Location:	1538 Stillwell Avenue and 1540 Bassett Avenue, Bronx, Bronx County, New York	Client:	Stillwell Self Storage, LLC

				Water Depths / Elevations (feet / feet-msl)	
Surface Elevation:	**Not Surveyed**	Date Started:	**10-19-11**		
Termination Depth:	**11.0 feet bgs**	Date Completed:	**10-19-11**		
Drilling Method:	**Geoprobe**	Logged By:	**P. Beesley**	While Drilling:	**NE**
Test Method:	**Macro-Core**	Contractor:	**Hawk Drilling, Inc.**	At Completion:	**NE**
		Machine:	**Dingo**	24 Hours:	**NA**

Depth (feet)	Strata	DESCRIPTION OF MATERIALS (Classification)	PID Readings (ppm)	Rec. (in.)	Depth (feet)
0.0	A	0.0 - 0.4 Asphalt	0.0		0.0
	FILL	0.4 - 4.0 Dark Brown to Gray Coarse to Fine Sand, Little Silt, Some Gravel and Mica Flakes	21.1		
			349		
			33.0	37	
		4.0 - 5.5 Reddish-Brown Silt, Some Coarse to Fine Sand, Trace Gravel	7.3		
5.0			2.6		5.0
	SAND	5.5 - 8.0 Brown Coarse to Fine Sand and Silt, Little Gravel	18.2		
			3.2	21	
		8.0 - 11.0 Brown Coarse to Fine Sand and Silt	2.0		
			0.0		
10.0			0.0	12	10.0
		Boring B-4 Terminated at a Depth of 11.0 Feet Below Ground Surface (fbgs) Due to Refusal Soil Sample B-4 Collected From 2.5 fbgs to 3.0 fbgs at 12:30			
15.0					15.0
20.0					20.0
25.0					25.0

NOTES: NE = Not Encountered, NA = Not Applicable, PID=Photoionization Detector

WHITESTONE ASSOCIATES, INC.

RECORD OF SUBSURFACE EXPLORATION

Boring No.: B - 5/TW-2

Project:	Proposed Self-Storage Facility	WAI Project No.:	EJ1111829.000
Location:	1538 Stillwell Avenue and 1540 Bassett Avenue, Bronx, Bronx County, New York	Client:	Stillwell Self Storage, LLC

				Water Depths / Elevations (feet / feet-msl)	
Surface Elevation:	**Not Surveyed**	Date Started:	**10-19-11**		
Termination Depth:	**12.5 feet bgs**	Date Completed:	**10-19-11**		
Drilling Method:	**Geoprobe**	Logged By:	**P. Beesley**	While Drilling:	**9.0**
Test Method:	**Macro-Core**	Contractor:	**Hawk Drilling, Inc.**	At Completion:	**9.0**
		Machine:	**Dingo**	24 Hours:	**NA**

Depth (feet)	Strata	DESCRIPTION OF MATERIALS (Classification)	PID Readings (ppm)	Rec. (in.)	Depth (feet)
0.0	C	0.0 - 0.4 Concrete	32.0		0.0
	FILL	0.4 - 6.5 Dark Brown Coarse to Fine Sand, Some Silt, Little Gravel and Debris (Concrete)	14.0		
			12.0		
			12.0	32	
			12.0		
5.0			14.0		5.0
			37.0		
		6.5 - 7.0 Concrete			
	SAND	7.0 - 12.5 Dark Brown Coarse to Fine Sand, Little Silt, Trace Gravel	22.0	36	
			690		
			720		
10.0			1,220		10.0
			710		
			7.0	28	
		Boring B-5/TW-2 Terminated at a Depth of 12.5 Feet Below Ground Surface (fbgs) Due to Refusal Soil Sample B-5A Collected From 3.0 fbgs to 3.5 fbgs at 13:50 Soil Sample B-5B Collected From 10.0 fbgs to 10.5 fbgs at 13:50 Groundwater Sample TW-2 Collected at 15:15			
15.0					15.0
20.0					20.0
25.0					25.0

NOTES: NE = Not Encountered, NA = Not Applicable, PID=Photoionization Detector

WHITESTONE ASSOCIATES, INC.

RECORD OF SUBSURFACE EXPLORATION

Boring No.: B - 6

Project:	Proposed Self-Storage Facility	WAI Project No.:	EJ1111829.000
Location:	1538 Stillwell Avenue and 1540 Bassett Avenue, Bronx, Bronx County, New York	Client:	Stillwell Self Storage, LLC

				Water Depths / Elevations (feet / feet-msl)	
Surface Elevation:	**Not Surveyed**	Date Started:	**10-19-11**		
Termination Depth:	**12.5 feet bgs**	Date Completed:	**10-19-11**		
Drilling Method:	**Geoprobe**	Logged By:	**P. Beesley**	While Drilling:	**NE**
Test Method:	**Macro-Core**	Contractor:	**Hawk Drilling, Inc.**	At Completion:	**NE**
		Machine:	**Dingo**	24 Hours:	**NA**

Depth (feet)	Strata	DESCRIPTION OF MATERIALS (Classification)	PID Readings (ppm)	Rec. (in.)	Depth (feet)
0.0	C	0.0 - 0.4 Concrete	0.0		0.0
	FILL	0.4 - 7.0 Brown Coarse to Fine Sand, Some Silt, Little Gravel and Mica Flakes	0.0		
			0.0		
			0.0		
			0.0	32	
			0.0		
5.0			0.0		5.0
			0.0		
		7.0 - 7.5 Crushed Stone	0.0		
	SAND	7.5 - 12.5 Brown Coarse to Fine Sand, Some Silt, Little Gravel and Mica Flakes		22	
			0.0		
			0.0		
10.0			0.0		10.0
			0.0		
			0.0	18	
		Boring B-6 Terminated at a Depth of 12.5 Feet Below Ground Surface (fbgs) Due to Refusal No Soil Sample Collected			
15.0					15.0
20.0					20.0
25.0					25.0

NOTES: NE = Not Encountered, NA = Not Applicable, PID=Photoionization Detector

WHITESTONE ASSOCIATES, INC.

RECORD OF SUBSURFACE EXPLORATION

Boring No.: B - 7

Project:	Proposed Self-Storage Facility	WAI Project No.:	EJ1111829.000
Location:	1538 Stillwell Avenue and 1540 Bassett Avenue, Bronx, Bronx County, New York	Client:	Stillwell Self Storage, LLC

				Water Depths / Elevations (feet / feet-msl)	
Surface Elevation:	**Not Surveyed**	Date Started:	**10-19-11**		
Termination Depth:	**9.0 feet bgs**	Date Completed:	**10-19-11**		
Drilling Method:	**Geoprobe**	Logged By:	**P. Beesley**	While Drilling:	**NE**
Test Method:	**Macro-Core**	Contractor:	**Hawk Drilling, Inc.**	At Completion:	**NE**
		Machine:	**Dingo**	24 Hours:	**NA**

Depth (feet)	Strata	DESCRIPTION OF MATERIALS (Classification)	PID Readings (ppm)	Rec. (in.)	Depth (feet)
0.0	C	0.0 - 0.2 Concrete	0.0		0.0
	FILL	0.2 - 2.5 Dark Brown to Brown Coarse to Fine Sand and Silt, Trace Gravel and Mica Flakes	0.0		
			0.0		
	SAND	2.5 - 8.5 Brown Coarse to Fine Sand, Trace Silt, Little Gravel	0.0		
			0.0	30	
			0.0		
5.0			0.0		5.0
			0.0		
			0.0		
		8.5 - 9.0 Brown Coarse to Fine Sand and Rock Fragments	0.0	26	
		Boring B-7 Terminated at a Depth of 9.0 Feet Below Ground Surface (fbgs) Due to Refusal No Soil Sample Collected			
10.0					10.0
15.0					15.0
20.0					20.0
25.0					25.0

NOTES: NE = Not Encountered, NA = Not Applicable, PID=Photoionization Detector

WHITESTONE ASSOCIATES, INC.

RECORD OF SUBSURFACE EXPLORATION

Boring No.: RI - B1

Project:	Proposed Self-Storage Facility	WAI Project No.:	EJ1111829.000
Location:	1538 Stillwell Avenue and 1540 Bassett Avenue, Bronx, Bronx County, New York	Client:	Stillwell Self Storage, LLC

				Water Depths / Elevations (feet / feet-msl)	
Surface Elevation:	**Not Surveyed**	Date Started:	**6-28-12**		
Termination Depth:	**7.0 feet bgs**	Date Completed:	**6-28-12**		
Drilling Method:	**Geoprobe**	Logged By:	**P. Beesley**	While Drilling:	**NE**
Test Method:	**Macro-Core**	Contractor:	**Tri-State Drilling, Inc.**	At Completion:	**NE**
		Machine:	**Geoprobe 54LT**	24 Hours:	**NA**

Depth (feet)	Strata	DESCRIPTION OF MATERIALS (Classification)	PID Readings (ppm)	Rec. (in.)	Depth (feet)
0.0	C	6" Concrete, No Apparent Subbase	0.0		0.0
	FILL	Brown Sandy Silt, Some Gravel, Mica Flakes, and Debris (Brick, Concrete, Wood)	0.0		
			0.0	22	
			0.0		
			0.0	20	
			0.0		
5.0	SILT	Brown Silt with Sand, Trace Gravel and Mica Flakes	0.0		5.0
			0.0	20	
			0.0	10	
		Boring RI-B1 Terminated at a Depth of 7.0 Feet Below Ground Surface (fbgs) Due to Refusal Soil Sample RI-B1-A Collected From 1.0 fbgs to 1.5 fbgs at 13:10 Soil Sample RI-B1-B Collected From 4.5 fbgs to 5.0 fbgs at 13:30			
10.0					10.0
15.0					15.0
20.0					20.0
25.0					25.0

NOTES: NE = Not Encountered, NA = Not Applicable, PID=Photoionization Detector

WHITESTONE ASSOCIATES, INC.

RECORD OF SUBSURFACE EXPLORATION

Boring No.: RI - B2

Project:	Proposed Self-Storage Facility	WAI Project No.:	EJ1111829.000
Location:	1538 Stillwell Avenue and 1540 Bassett Avenue, Bronx, Bronx County, New York	Client:	Stillwell Self Storage, LLC

				Water Depths / Elevations (feet / feet-msl)		
Surface Elevation:	**Not Surveyed**	Date Started:	**6-28-12**			
Termination Depth:	**11.0 feet bgs**	Date Completed:	**6-28-12**			
Drilling Method:	**Geoprobe**	Logged By:	**P. Beesley**	While Drilling:	**NE**	▽
Test Method:	**Macro-Core**	Contractor:	**Tri-State Drilling, Inc.**	At Completion:	**NE**	▽
		Machine:	**Geoprobe 54LT**	24 Hours:	**NA**	▼

Depth (feet)	Strata	DESCRIPTION OF MATERIALS (Classification)	PID Readings (ppm)	Rec. (in.)	Depth (feet)
0.0	C	6" Concrete, No Apparent Subbase	0.0		0.0
	FILL	Brown Sandy Silt, Some Gravel, Trace Mica Flakes and Debris (Concrete, Brick)	0.0		
			0.0		
			0.0		
			0.0	34	
	SILT	Dark Brown to Gray Silt with Sand, Trace Gravel and Mica Flakes	0.0		
5.0			0.0		5.0
			0.0		
			0.0	36	
		Solvent Odor From 8.0 fbgs to 10.0 fbgs	0.0		
			0.0		
10.0			0.0		10.0
		Brown Silt, Some Sand and Mica Flakes		30	
		Boring RI-B2 Terminated at a Depth of 11.0 Feet Below Ground Surface (fbgs) Due to Refusal			
		Soil Sample RI-B2-A Collected From 1.0 fbgs to 1.5 fbgs at 11:55			
		Soil Sample RI-B2-B Collected From 4.5 fbgs to 5.0 fbgs at 12:15			
		Soil Sample RI-B2-C Collected From 8.5 fbgs to 9.0 fbgs at 12:20			
15.0					15.0
20.0					20.0
25.0					25.0

NOTES: NE = Not Encountered, NA = Not Applicable, PID=Photoionization Detector

WHITESTONE ASSOCIATES, INC.

RECORD OF SUBSURFACE EXPLORATION

Boring No.: RI - B3

Project:	Proposed Self-Storage Facility	WAI Project No.:	EJ1111829.000
Location:	1538 Stillwell Avenue and 1540 Bassett Avenue, Bronx, Bronx County, New York	Client:	Stillwell Self Storage, LLC

				Water Depths / Elevations (feet / feet-msl)	
Surface Elevation:	**Not Surveyed**	Date Started:	**6-28-12**		
Termination Depth:	**8.0 feet bgs**	Date Completed:	**6-28-12**		
Drilling Method:	**Geoprobe**	Logged By:	**P. Beesley**	While Drilling:	**NE**
Test Method:	**Macro-Core**	Contractor:	**Tri-State Drilling, Inc.**	At Completion:	**NE**
		Machine:	**Geoprobe 54LT**	24 Hours:	**NA**

Depth (feet)	Strata	DESCRIPTION OF MATERIALS (Classification)	PID Readings (ppm)	Rec. (in.)	Depth (feet)
0.0	A	4" Asphalt and Gravel Subbase	0.0		0.0
	FILL	Brown Sand with Silt, Some Gravel, Mica Flakes, and Debris (Concrete, Brick, Wood)	0.0		
			0.0		
			0.0		
			0.0	38	
5.0			0.0		5.0
			0.0		
			0.0		
			0.0		
	SILT	Dark Brown to Gray Silt, Some Sand (Moist)		32	
		Boring RI-B3 Terminated at a Depth of 8.0 Feet Below Ground Surface (fbgs) Due to Refusal Soil Sample RI-B3-A Collected From 1.5 fbgs to 2.0 fbgs at 13:15 Soil Sample RI-B3-B Collected From 7.0 fbgs to 7.5 fbgs at 13:35			
10.0					10.0
15.0					15.0
20.0					20.0
25.0					25.0

NOTES: NE = Not Encountered, NA = Not Applicable, PID=Photoionization Detector

RECORD OF SUBSURFACE EXPLORATION

WHITESTONE ASSOCIATES, INC.

Boring No.: S - 1

Project:	Proposed Self-Storage Facility	WAI Project No.:	EJ1111829.000
Location:	1538 Stillwell Avenue and 1540 Bassett Avenue, Bronx, Bronx County, New York	Client:	Stillwell Self Storage, LLC

				Water Depths / Elevations (feet / feet-msl)	
Surface Elevation:	**Not Surveyed**	Date Started:	**11-5-12**		
Termination Depth:	**8.0 feet bgs**	Date Completed:	**11-5-12**		
Drilling Method:	**Geoprobe**	Logged By:	**P. Beesley**	While Drilling:	**NE**
Test Method:	**Macro-Core**	Contractor:	**Tri-State Drilling, Inc.**	At Completion:	**NE**
		Machine:	**Geoprobe**	24 Hours:	**NA**

Depth (feet)	Strata	DESCRIPTION OF MATERIALS (Classification)	PID Readings (ppm)	Rec. (in.)	Depth (feet)
0.0	A	2" Asphalt, No Apparent Subbase	0.0		0.0
	FILL	Brown Silty Sand, Some Gravel and Debris (Asphalt, Concrete)	0.0		
			0.0		
			0.0		
			0.0	48	
	SILT	Dark Brown Sandy Silt, Some Gravel	0.0		
5.0			0.0		5.0
			0.0		
			0.0	18	
		Boring S-1 Terminated at a Depth of 8.0 Feet Below Ground Surface (fbgs) Due to Refusal Soil Sample S-1 Collected From 4.5 fbgs to 5.0 fbgs at 8:15			
10.0					10.0
15.0					15.0
20.0					20.0
25.0					25.0

NOTES: NE = Not Encountered, NA = Not Applicable, PID=Photoionization Detector

WHITESTONE ASSOCIATES, INC.

RECORD OF SUBSURFACE EXPLORATION

Boring No.: S - 2

Project:	Proposed Self-Storage Facility	WAI Project No.:	EJ1111829.000
Location:	1538 Stillwell Avenue and 1540 Bassett Avenue, Bronx, Bronx County, New York	Client:	Stillwell Self Storage, LLC

				Water Depths / Elevations (feet / feet-msl)	
Surface Elevation:	**Not Surveyed**	Date Started:	**11-5-12**		
Termination Depth:	**8.5 feet bgs**	Date Completed:	**11-5-12**		
Drilling Method:	**Geoprobe**	Logged By:	**P. Beesley**	While Drilling:	**NE**
Test Method:	**Macro-Core**	Contractor:	**Tri-State Drilling, Inc.**	At Completion:	**NE**
		Machine:	**Geoprobe**	24 Hours:	**NA**

Depth (feet)	Strata	DESCRIPTION OF MATERIALS (Classification)	PID Readings (ppm)	Rec. (in.)	Depth (feet)
0.0	A	2" Asphalt	0.0		0.0
	G	Gravel with Sand			
	FILL	Brown Silty Sand, Some Gravel and Debris (Asphalt, Concrete)	0.0		
			0.0		
			0.0	38	
			0.0		
5.0			0.0		5.0
	C	Concrete	0.0		
	SILT	Dark Brown Sandy Silt, Some Gravel	0.0	30	
			0.0	2	
		Boring S-2 Terminated at a Depth of 8.5 Feet Below Ground Surface (fbgs) Due to Refusal Soil Sample S-2 Collected From 4.5 fbgs to 5.0 fbgs at 8:30			
10.0					10.0
15.0					15.0
20.0					20.0
25.0					25.0

NOTES: NE = Not Encountered, NA = Not Applicable, PID=Photoionization Detector

RECORD OF SUBSURFACE EXPLORATION

WHITESTONE ASSOCIATES, INC.

Boring No.: S - 3

Project:	Proposed Self-Storage Facility	WAI Project No.:	EJ1111829.000
Location:	1538 Stillwell Avenue and 1540 Bassett Avenue, Bronx, Bronx County, New York	Client:	Stillwell Self Storage, LLC

				Water Depths / Elevations (feet / feet-msl)		
Surface Elevation:	**Not Surveyed**	Date Started:	**11-5-12**			
Termination Depth:	**9.0 feet bgs**	Date Completed:	**11-5-12**			
Drilling Method:	**Geoprobe**	Logged By:	**P. Beesley**	While Drilling:	**NE**	▽
Test Method:	**Macro-Core**	Contractor:	**Tri-State Drilling, Inc.**	At Completion:	**NE**	▽
		Machine:	**Geoprobe**	24 Hours:	**NA**	▼

Depth (feet)	Strata	DESCRIPTION OF MATERIALS (Classification)	PID Readings (ppm)	Rec. (in.)	Depth (feet)
0.0	A	2" Asphalt, No Apparent Subbase	0.0		0.0
	FILL	Brown Silty Sand, Some Gravel and Debris (Asphalt, Concrete, Wood, Cinders, Rock Fragments)	0.0		
			0.0		
			0.0		
			0.0	36	
			0.0		
5.0			0.0		5.0
			0.0		
			0.0	30	
			0.0	10	
		Boring S-3 Terminated at a Depth of 9.0 Feet Below Ground Surface (fbgs) Due to Refusal Soil Sample S-3 Collected From 4.5 fbgs to 5.0 fbgs at 8:45			
10.0					10.0
15.0					15.0
20.0					20.0
25.0					25.0

NOTES: NE = Not Encountered, NA = Not Applicable, PID=Photoionization Detector

RECORD OF SUBSURFACE EXPLORATION

WHITESTONE ASSOCIATES, INC.

Boring No.: S - 4

Project:	Proposed Self-Storage Facility	WAI Project No.:	EJ1111829.000
Location:	1538 Stillwell Avenue and 1540 Bassett Avenue, Bronx, Bronx County, New York	Client:	Stillwell Self Storage, LLC

				Water Depths / Elevations (feet / feet-msl)		
Surface Elevation:	**Not Surveyed**	Date Started:	**11-5-12**			
Termination Depth:	**7.0 feet bgs**	Date Completed:	**11-5-12**			
Drilling Method:	**Geoprobe**	Logged By:	**P. Beesley**	While Drilling:	**NE**	▽
Test Method:	**Macro-Core**	Contractor:	**Tri-State Drilling, Inc.**	At Completion:	**NE**	▽
		Machine:	**Geoprobe**	24 Hours:	**NA**	▼

Depth (feet)	Strata	DESCRIPTION OF MATERIALS (Classification)	PID Readings (ppm)	Rec. (in.)	Depth (feet)
0.0	A	2" Asphalt, No Apparent Subbase	0.0		0.0
	FILL	Brown Silty Sand, Some Gravel and Debris (Asphalt, Concrete)	0.0		
			0.0		
			0.0		
			0.0	40	
5.0			0.0		5.0
			0.0		
			0.0	13	
		Boring S-4 Terminated at a Depth of 7.0 Feet Below Ground Surface (fbgs) Due to Refusal Soil Sample S-4 Collected From 4.5 fbgs to 5.0 fbgs at 9:00			
10.0					10.0
15.0					15.0
20.0					20.0
25.0					25.0

NOTES: NE = Not Encountered, NA = Not Applicable, PID=Photoionization Detector

RECORD OF SUBSURFACE EXPLORATION

WHITESTONE ASSOCIATES, INC.

Boring No.: S - 5

Project:	Proposed Self-Storage Facility	WAI Project No.:	EJ1111829.000
Location:	1538 Stillwell Avenue and 1540 Bassett Avenue, Bronx, Bronx County, New York	Client:	Stillwell Self Storage, LLC

				Water Depths / Elevations (feet / feet-msl)	
Surface Elevation:	**Not Surveyed**	Date Started:	**11-5-12**		
Termination Depth:	**8.0 feet bgs**	Date Completed:	**11-5-12**		
Drilling Method:	**Geoprobe**	Logged By:	**P. Beesley**	While Drilling:	**NE**
Test Method:	**Macro-Core**	Contractor:	**Tri-State Drilling, Inc.**	At Completion:	**NE**
		Machine:	**Geoprobe**	24 Hours:	**NA**

Depth (feet)	Strata	DESCRIPTION OF MATERIALS (Classification)	PID Readings (ppm)	Rec. (in.)	Depth (feet)
0.0	A	2" Asphalt, No Apparent Subbase	0.0		0.0
	FILL	Brown Silty Sand, Some Gravel and Debris (Asphalt, Concrete, Rope, Wood)	0.0		
			0.0		
			0.0		
			0.0	24	
5.0			0.0		5.0
			0.0		
			0.0		
	SILT	Dark Brown Sandy Silt, Some Gravel	0.0	32	
		Boring S-5 Terminated at a Depth of 8.0 Feet Below Ground Surface (fbgs) Due to Refusal Soil Sample S-5 Collected From 4.5 fbgs to 5.0 fbgs at 9:15			
10.0					10.0
15.0					15.0
20.0					20.0
25.0					25.0

NOTES: NE = Not Encountered, NA = Not Applicable, PID=Photoionization Detector

RECORD OF SUBSURFACE EXPLORATION

WHITESTONE ASSOCIATES, INC.

Boring No.: S - 6

Project:	Proposed Self-Storage Facility	WAI Project No.:	EJ1111829.000
Location:	1538 Stillwell Avenue and 1540 Bassett Avenue, Bronx, Bronx County, New York	Client:	Stillwell Self Storage, LLC

				Water Depths / Elevations (feet / feet-msl)	
Surface Elevation:	**Not Surveyed**	Date Started:	**11-5-12**		
Termination Depth:	**7.5 feet bgs**	Date Completed:	**11-5-12**		
Drilling Method:	**Geoprobe**	Logged By:	**P. Beesley**	While Drilling:	**NE**
Test Method:	**Macro-Core**	Contractor:	**Tri-State Drilling, Inc.**	At Completion:	**NE**
		Machine:	**Geoprobe**	24 Hours:	**NA**

Depth (feet)	Strata	DESCRIPTION OF MATERIALS (Classification)	PID Readings (ppm)	Rec. (in.)	Depth (feet)
0.0	A	2" Asphalt, No Apparent Subbase	0.0		0.0
	FILL	Brown Silty Sand, Some Gravel and Debris (Asphalt, Concrete)	0.0		
			0.0		
			0.0		
			0.0	30	
5.0			0.0		5.0
	SILT	Dark Brown Sandy Silt, Some Gravel	0.0		
			0.0	32	
		Boring S-6 Terminated at a Depth of 7.5 Feet Below Ground Surface (fbgs) Due to Refusal Soil Sample S-6 Collected From 4.5 fbgs to 5.0 fbgs at 9:30			
10.0					10.0
15.0					15.0
20.0					20.0
25.0					25.0

NOTES: NE = Not Encountered, NA = Not Applicable, PID=Photoionization Detector

RECORD OF SUBSURFACE EXPLORATION

WHITESTONE ASSOCIATES, INC.

Boring No.: S - 7

Project:	Proposed Self-Storage Facility	WAI Project No.:	EJ1111829.000
Location:	1538 Stillwell Avenue and 1540 Bassett Avenue, Bronx, Bronx County, New York	Client:	Stillwell Self Storage, LLC

				Water Depths / Elevations (feet / feet-msl)	
Surface Elevation:	**Not Surveyed**	Date Started:	**11-5-12**		
Termination Depth:	**8.0 feet bgs**	Date Completed:	**11-5-12**		
Drilling Method:	**Geoprobe**	Logged By:	**P. Beesley**	While Drilling:	**NE**
Test Method:	**Macro-Core**	Contractor:	**Tri-State Drilling, Inc.**	At Completion:	**NE**
		Machine:	**Geoprobe**	24 Hours:	**NA**

Depth (feet)	Strata	DESCRIPTION OF MATERIALS (Classification)	PID Readings (ppm)	Rec. (in.)	Depth (feet)
0.0	A	2" Asphalt, No Apparent Subbase	0.0		0.0
	FILL	Brown Silty Sand, Some Gravel and Debris (Asphalt, Concrete, Wood, Cinders)	0.0		
			0.0		
			0.0		
			0.0	27	
			0.0		
5.0			0.0		5.0
			0.0		
			0.0	32	
		Boring S-7 Terminated at a Depth of 8.0 Feet Below Ground Surface (fbgs) Due to Refusal Soil Sample S-7 Collected From 4.5 fbgs to 5.0 fbgs at 9:45			
10.0					10.0
15.0					15.0
20.0					20.0
25.0					25.0

NOTES: NE = Not Encountered, NA = Not Applicable, PID=Photoionization Detector

RECORD OF SUBSURFACE EXPLORATION

WHITESTONE ASSOCIATES, INC.

Boring No.: S - 8

Project:	Proposed Self-Storage Facility	WAI Project No.:	EJ1111829.000
Location:	1538 Stillwell Avenue and 1540 Bassett Avenue, Bronx, Bronx County, New York	Client:	Stillwell Self Storage, LLC

				Water Depths / Elevations (feet / feet-msl)	
Surface Elevation:	**Not Surveyed**	Date Started:	**11-5-12**		
Termination Depth:	**7.5 feet bgs**	Date Completed:	**11-5-12**		
Drilling Method:	**Geoprobe**	Logged By:	**P. Beesley**	While Drilling:	**NE**
Test Method:	**Macro-Core**	Contractor:	**Tri-State Drilling, Inc.**	At Completion:	**NE**
		Machine:	**Geoprobe**	24 Hours:	**NA**

Depth (feet)	Strata	DESCRIPTION OF MATERIALS (Classification)	PID Readings (ppm)	Rec. (in.)	Depth (feet)
0.0	A	2" Asphalt, No Apparent Subbase	0.0		0.0
	FILL	Brown Silty Sand, Some Gravel and Debris (Asphalt, Concrete)	0.0		
			0.0		
			0.0		
			0.0	36	
5.0			0.0		5.0
			0.0		
			0.0		
	SILT	Dark Brown Sandy Silt, Some Gravel	0.0	24	
		Boring S-8 Terminated at a Depth of 7.5 Feet Below Ground Surface (fbgs) Due to Refusal Soil Sample S-8 Collected From 4.5 fbgs to 5.0 fbgs at 10:00			
10.0					10.0
15.0					15.0
20.0					20.0
25.0					25.0

NOTES: NE = Not Encountered, NA = Not Applicable, PID=Photoionization Detector

RECORD OF SUBSURFACE EXPLORATION

WHITESTONE ASSOCIATES, INC.

Boring No.: B-1

Project:	**Proposed Self-Storage Facility**	WAI Project No.:	**GJ1211997.000**
Location:	**1538 & 1546 Stillwell Avenue and 1547 & 1549 Bassett Avenue Bronx, Bronx County, NY**	Client:	**Stillwell Storage, LLC c/o The Hampshire Company**

Surface Elevation:	**±22.0 feet above BBHD**	Date Started:	**03/05/2012**	**Water Depths/Elevations (feet / feet BBHD)**		**Cave-in Depths/Elevations (feet / feet BBHD)**	
Termination Depth:	**14.5 feet bgs**	Date Completed:	**03/05/2012**				
Proposed Location:	**Western Building**	Logged By:	**J. Capozzolo**	While Drilling:	**NE**		
Drilling/Test Method:	**HSA / SPT / NX Rock Core**	Contractor:	**Earthcore**	At Completion:	**NE**	At Completion:	**5.6 (Dry)**
		Equipment:	**ICE**	24 Hours:	---	24 Hours:	**5.6 (Dry)**

Sample Information: Depth (feet)	Number	Type	Blows Per 6" / Recovery*	N**	Depth (feet)	Strata	DESCRIPTION OF MATERIALS (Classification)	REMARKS
					0.0	C	4.5" Concrete Slab with No Apparent Subbase	
					0.4	FILL		
1.0 - 3.0	S-1	X	6-7-9-11 (19 in.)	16			Strong Brown Silty Micaceous Sand, Trace Fine Gravel, Moist (FILL) (NYC Class 7)	PID = 11 ppm
3.0 - 5.0	S-2	X	10-7-16-16 (20 in.)	23	5.0		As Above (FILL) (NYC Class 7)	PID = 7.5 ppm
5.0 - 7.0	S-3	X	10-20-18-18 (13 in.)	38		Residual	Strong Brown to Gray Sandy Micaceous Silt, Moist (ML) (NYC Class 5a)	PID = 131 ppm Environmental Sample
7.0 - 9.0	S-4	X	20-14-20-18 (2 in.)	34	9.0		As Above (ML) (NYC Class 5a)	PID = 125 ppm
9.0 - 9.1	S-5	X	50/1" (1 in.)	50/1"	9.5	WR	Very Highly Weathered Rock (WR) (NYC Class 1a)	PID = 4.0 ppm Auger Refusal @ 9.5 fbgs
9.5 - 14.5	R1	NQ	11.5/11.5	REC 50" 83.3%	10.0	ROCK	Gray Very Closely Jointed, Medium Hard, Highly Weathered Schist (NYC Class 1d)	
			8.0/19.5					
			10.0/21.5		12.5			
			8.5/38.0	RQD 16.8" 28%				
			2.0/40.0		14.5			
					15.0		Boring B-1 Terminated at a Depth of 14.5 Feet Below Ground Surface	
					20.0			
					25.0			

NOTES: NE = Not Encountered, NR = No Recovery
*Column States Total Elapsed Cut Time/Cut Time Per Foot During Core Runs, **Column States REC ("/%)/RQD ("/%) During Core Runs

RECORD OF SUBSURFACE EXPLORATION

WHITESTONE ASSOCIATES, INC.

Boring No.: B-2

Project:	**Proposed Self-Storage Facility**	WAI Project No.:	**GJ1211997.000**
Location:	**1538 & 1546 Stillwell Avenue and 1547 & 1549 Bassett Avenue Bronx, Bronx County, NY**	Client:	**Stillwell Storage, LLC c/o The Hampshire Company**

Surface Elevation:	**±21.0 feet above BBHD**	Date Started:	**03/07/2012**	**Water Depths/Elevations (feet / feet BBHD)**		**Cave-in Depths/Elevations (feet / feet BBHD)**	
Termination Depth:	**15.3 feet bgs**	Date Completed:	**03/07/2012**				
Proposed Location:	**Western Building**	Logged By:	**J. Capozzolo**	While Drilling:	**NE**		
Drilling/Test Method:	**HSA / SPT / NX Rock Core**	Contractor:	**Earthcore**	At Completion:	**NE**	At Completion:	**DNC**
		Equipment:	**ICE**	24 Hours:	---	24 Hours:	---

Sample Information: Depth (feet)	Number	Type	Blows Per 6" / Recovery*	N**	Depth (feet)	Strata	DESCRIPTION OF MATERIALS (Classification)	REMARKS
					0.0	C	3.1" Concrete Slab with No Apparent Subbase	
					0.2	FILL	Dark Gray Silty Sand with Gravel, ±25% Coal Debris, Moist (FILL) (NYC Class 7)	
1.0 - 3.0	S-1	X	11-23-27-18 (13 in.)	50	2.0	Residual	Strong Brown Silty Micaceous Sand with Fine Gravel, Moist, Very Dense (SM) (NYC Class 3a)	PID = 32 ppm
3.0 - 4.3	S-2	X	14-29-50/3" (12 in.)	79/9"	4.0		As Above (SM) (NYC Class 3a)	PID = 43 ppm
5.0 - 5.3	S-3	X	50/4" (NR)	50/4"	5.0	WR	Very Highly Weathered Rock (WR) (NYC Class 1d) As Above (WR) (NYC Class 1d)	Moderate Auger Grinding from 2.5 fbgs to 4.5 fbgs
5.3 - 10.3	R1	NX	5.0/5.0 5.75/10.75 8.25/19.0 7.75/26.75 9.0/35.75	REC 6" 10% REC 0" 0%	10.0		As Above, Very Highly Weathered Schist (WR) (NYC Class 1d)	
10.3 - 15.3	R2	NX	3.5/3.5 4.25/7.75 6.0/13.75 8.5/22.25 7.5/29.75	REC 49" 81.7% REC 31.2" 52%	10.3 12.5 15.0	ROCK	Gray and White Very Closely Jointed, Medium Hard, Highly Weathered Schist with Quartz (NYC Class 1a)	
					15.3 20.0 25.0		Boring B-2 Terminated at a Depth of 15.3 Feet Below Ground Surface	

NOTES: DNC = Did Not Cave, NE = Not Encountered, NR = No Recovery
*Column States Total Elapsed Cut Time/Cut Time Per Foot During Core Runs, **Column States REC ("/%)/RQD ("/%) During Core Runs

RECORD OF SUBSURFACE EXPLORATION

WHITESTONE ASSOCIATES, INC.

Boring No.: B-3

Project:	**Proposed Self-Storage Facility**	WAI Project No.:	**GJ1211997.000**
Location:	**1538 & 1546 Stillwell Avenue and 1547 & 1549 Bassett Avenue Bronx, Bronx County, NY**	Client:	**Stillwell Storage, LLC c/o The Hampshire Company**

Surface Elevation:	**±22.0 feet above BBHD**	Date Started:	**03/06/2012**	**Water Depths/Elevations (feet / feet BBHD)**		**Cave-in Depths/Elevations (feet / feet BBHD)**	
Termination Depth:	**10.1 feet bgs**	Date Completed:	**03/06/2012**				
Proposed Location:	**Western Building**	Logged By:	**J. Capozzolo**	While Drilling:	**NE**		
Drilling/Test Method:	**HSA / SPT / NX Rock Core**	Contractor:	**Earthcore**	At Completion:	**NE**	At Completion:	**DNC**
		Equipment:	**ICE**	24 Hours:	**7.1/13.9**	24 Hours:	---

Sample Information: Depth (feet)	Number	Type	Blows Per 6" / Recovery*	N**	Depth (feet)	Strata	DESCRIPTION OF MATERIALS (Classification)	REMARKS
					0.0	C	4.5" Concrete Slab with No Apparent Subbase	
					0.4	Residual		
1.0 - 3.0	S-1	X	3-6-18-22 (10 in.)	24			Brown Silty Micaceous Sand, Moist, Medium Dense (SM) (NYC Class 3b)	PID = 14.7 ppm
3.0 - 5.0	S-2	X	43-30-25-35 (12 in.)	55			As Above, Very Dense (SM) (NYC Class 3a)	PID = 7.3 ppm Heavy Auger Grinding from 2.5 fbgs to 4.5 fbgs
5.0 - 5.1	S-3	X	50/0.5" (NR)	50/.5"	5.0	WR	Very Highly Weathered Rock (WR) (NYC Class 1d)	Auger Refusal @ 5.0 fbgs
5.1 - 10.1	R1	NX	7.0/7.0	REC 12" 20%				
			5.5/12.5		7.0			
			4.5/17.0				As Above, Highly Weathered Schist (WR) (NYC Class 1d)	
			5.5/22.5	REC 0" 0%	9.0			Water in borehole after 24-hours from water used to core
			9.0/31.5		10.0			
					10.1		Boring B-3 Terminated at a Depth of 10.1 Feet Below Ground Surface	
					15.0			
					20.0			
					25.0			

NOTES: DNC = Did Not Cave, NE = Not Encountered, NR = No Recovery
*Column States Total Elapsed Cut Time/Cut Time Per Foot During Core Runs, **Column States REC ("/%)/RQD ("/%) During Core Runs

RECORD OF SUBSURFACE EXPLORATION

WHITESTONE ASSOCIATES, INC.

Boring No.: B-4

Project:	**Proposed Self-Storage Facility**	WAI Project No.:	**GJ1211997.000**
Location:	**1538 & 1546 Stillwell Avenue and 1547 & 1549 Bassett Avenue Bronx, Bronx County, NY**	Client:	**Stillwell Storage, LLC c/o The Hampshire Company**

Surface Elevation:	**±23.0 feet above BBHD**	Date Started:	**03/08/2012**	**Water Depths/Elevations (feet / feet BBHD)**		**Cave-in Depths/Elevations (feet / feet BBHD)**	
Termination Depth:	**9.5 feet bgs**	Date Completed:	**03/08/2012**				
Proposed Location:	**Eastern Building**	Logged By:	**J. Capozzolo**	While Drilling:	**NE**		
Drilling/Test Method:	**HSA / SPT**	Contractor:	**Tri-State**	At Completion:	**NE**	At Completion:	**4.5 (Dry)**
		Equipment:	**Geoprobe 7822 DT**	24 Hours:	---	24 Hours:	---

Sample Information: Depth (feet)	Number	Type	Blows Per 6" / Recovery	N	Depth (feet)	Strata	DESCRIPTION OF MATERIALS (Classification)	REMARKS
					0.0	P	1.5" Asphaltic Concrete Pavement, 1" Gravel Subbase	
0.0 - 2.0	S-1	X	12-17-9-8 (11 in.)	26	0.3	FILL	Brown to Gray Silty Micaceous Sand with Gravel, Moist (FILL) (NYC Class 7)	
3.0 - 5.0	S-2	X	1-2-2-1 (NR)	4	5.0		No Recovery, Presumed As Above (FILL) (NYC Class 7)	
5.0 - 7.0	S-3	X	3-2-3-2 (6 in.)	5	7.0		Brown Silty Micaceous Sand, Trace Asphalt Fragments, Moist (FILL) (NYC Class 7)	
7.0 - 9.0	S-4	X	7-9-11-9 (8 in.)	20		Residual	Brown to Dark Gray Silty Micaceous Sand with Gravel, Moist, Medium Dense (SM) (NYC Class 3b)	
9.0 - 9.5	S-5	X	13-50/0" (3 in.)	50/0"	9.5		As Above, Very Dense (SM) (NYC Class 3a)	
						WR	Boring B-4 Terminated at a Depth of 9.5 Feet Below Ground Surface Due to Spoon and Auger Refusal on Possible Weathered Rock/Bedrock	
					15.0			
					20.0			
					25.0			

NOTES: NE = Not Encountered, NR = No Recovery

RECORD OF SUBSURFACE EXPLORATION

WHITESTONE ASSOCIATES, INC.

Boring No.: B-5

Project:	**Proposed Self-Storage Facility**	WAI Project No.:	**GJ1211997.000**
Location:	**1538 & 1546 Stillwell Avenue and 1547 & 1549 Bassett Avenue Bronx, Bronx County, NY**	Client:	**Stillwell Storage, LLC c/o The Hampshire Company**

Surface Elevation:	**±20.5 feet above BBHD**	Date Started:	**03/08/2012**	**Water Depths/Elevations (feet / feet BBHD)**		**Cave-in Depths/Elevations (feet / feet BBHD)**	
Termination Depth:	**13.5 feet bgs**	Date Completed:	**03/08/2012**				
Proposed Location:	**Eastern Building**	Logged By:	**J. Capozzolo**	While Drilling:	**10.0**		
Drilling/Test Method:	**HSA / SPT**	Contractor:	**Tri-State**	At Completion:	**NE**	At Completion:	**DNC**
		Equipment:	**Geoprobe 7822 DT**	24 Hours:	---	24 Hours:	---

Sample Information: Depth (feet)	Number	Type	Blows Per 6" / Recovery	N	Depth (feet)	Strata	DESCRIPTION OF MATERIALS (Classification)	REMARKS
					0.0	P	4" Gravel Pavement	
0.0 - 2.0	S-1	X	8-5-5-14 (17 in.)	10	0.3 / 2.0	FILL	Brown and Dark Gray Silty Sand with Gravel, Moist (FILL) (NYC Class 7)	PID = 20 ppm
2.0 - 4.0	S-2	X	23-16-8-8 (8 in.)	24	4.0		Gray Poorly Graded Sand with Silt and Gravel, Slightly Moist (FILL) (NYC Class 7)	PID = 6 ppm
4.0 - 6.0	S-3	X	6-5-3-3 (12 in.)	8	5.0	Residual	Grayish-Brown Silty Micaceous Sand, Trace Fine Gravel, Moist, Loose (SM) (NYC Class 3b)	
6.0 - 8.0	S-4	X	4-4-5-5 (1 in.)	9			As Above (SM) (NYC Class 3b)	
8.0 - 10.0	S-5	X	3-2-4-3 (3 in.)	6	10.0		As Above (SM) (NYC Class 3b)	
10.0 - 12.0	S-6	X	5-4-5-4 (2 in.)	9			As Above (SM) (NYC Class 3b)	
13.5 - 13.5	S-7	X	50/0"	50/0"	13.5	WR	Boring B-5 Terminated at a Depth of 13.5 Feet Below Ground Surface Due to Spoon and Auger Refusal on Possible Weathered Rock/Bedrock	
					15.0			
					20.0			
					25.0			

NOTES: DNC = Did Not Cave, NE = Not Encountered, NR = No Recovery

RECORD OF SUBSURFACE EXPLORATION

WHITESTONE ASSOCIATES, INC.

Boring No.: B-6

Project:	**Proposed Self-Storage Facility**	WAI Project No.:	**GJ1211997.000**
Location:	**1538 & 1546 Stillwell Avenue and 1547 & 1549 Bassett Avenue Bronx, Bronx County, NY**	Client:	**Stillwell Storage, LLC c/o The Hampshire Company**

Surface Elevation:	**±19.0 feet above BBHD**	Date Started:	**03/08/2012**	**Water Depths/Elevations (feet / feet BBHD)**		**Cave-in Depths/Elevations (feet / feet BBHD)**	
Termination Depth:	**10.5 feet bgs**	Date Completed:	**03/08/2012**				
Proposed Location:	**Eastern Building**	Logged By:	**J. Capozzolo**	While Drilling:	**NE**		
Drilling/Test Method:	**HSA / SPT**	Contractor:	**Tri-State**	At Completion:	**NE**	At Completion:	**DNC**
		Equipment:	**Geoprobe 7822 DT**	24 Hours:	---	24 Hours:	---

Sample Information					Depth (feet)	Strata	DESCRIPTION OF MATERIALS (Classification)	REMARKS
Depth (feet)	Number	Type	Blows Per 6" / Recovery	N				
					0.0	P	3" Gravel Pavement	
0.0 - 2.0	S-1	X	13-15-9-8 (10 in.)	24	0.3	FILL	Brown to Gray Silty Sand with Gravel, Moist to Slightly Moist (FILL) (NYC Class 7)	
2.0 - 4.0	S-2	X	8-7-2-3 (NR)	9	4.0		No Recovery, Presumed As Above (FILL) (NYC Class 7)	
4.0 - 6.0	S-3	X	5-6-6-4 (7 in.)	12	5.0	Residual	Very Dark Grayish-Brown Silty Micaceous Sand with Gravel, Moist, Medium Dense (SM) (NYC Class 3b)	
6.0 - 8.0	S-4	X	7-9-10-6 (11 in.)	19			As Above (SM) (NYC Class 3b)	
8.0 - 10.0	S-5	X	7-11-10-11 (12 in.)	21	10.0		As Above (SM) (NYC Class 3b)	
10.0 - 10.5	S-6	X	25-50/0" (2 in.)	50/0"	10.5		As Above, Very Dense (SM) (NYC Class 3a)	
						WR	Boring B-6 Terminated at a Depth of 10.5 Feet Below Ground Surface Due to Spoon and Auger Refusal on Possible Weathered Rock/Bedrock	
					15.0			
					20.0			
					25.0			

NOTES: DNC = Did Not Cave, NE = Not Encountered, NR = No Recovery

RECORD OF SUBSURFACE EXPLORATION

WHITESTONE ASSOCIATES, INC.

Boring No.: B-7

Project:	**Proposed Self-Storage Facility**	WAI Project No.:	**GJ1211997.000**
Location:	**1538 & 1546 Stillwell Avenue and 1547 & 1549 Bassett Avenue Bronx, Bronx County, NY**	Client:	**Stillwell Storage, LLC c/o The Hampshire Company**

Surface Elevation:	**±17.0 feet above BBHD**	Date Started:	**03/08/2012**	**Water Depths/Elevations (feet / feet BBHD)**		**Cave-in Depths/Elevations (feet / feet BBHD)**	
Termination Depth:	**4.5 feet bgs**	Date Completed:	**03/08/2012**				
Proposed Location:	**Eastern Building**	Logged By:	**J. Capozzolo**	While Drilling:	**NE**		
Drilling/Test Method:	**HSA / SPT**	Contractor:	**Tri-State**	At Completion:	**NE**	At Completion:	**DNC**
		Equipment:	**Geoprobe 7822 DT**	24 Hours:	---	24 Hours:	---

Sample Information					Depth (feet)	Strata	DESCRIPTION OF MATERIALS (Classification)	REMARKS
Depth (feet)	Number	Type	Blows Per 6" / Recovery	N				
					0.0	P	2" Asphaltic Concrete, No Apparent Subbase	
0.0 - 2.0	S-1	X	19-15-12-14 (19 in.)	27	0.2	Residual	Grayish-Brown Silty Micaceous Sand with Gravel, Moist, Medium Dense (SM) (NYC Class 3b)	
2.0 - 4.0	S-2	X	16-13-10-8 (6 in.)	23	2.0		As Above (SM) (NYC Class 3b)	
4.0 - 4.5	S-3	X	30-50/0" (6 in.)	50/0"	4.5		As Above, Brown to Gray, Dense (SM) (NYC Class 3a)	
						WR	Boring B-7 Terminated at a Depth of 4.5 Feet Below Ground Surface Due to Spoon and Auger Refusal on Possible Weathered Rock/Bedrock	
					10.0			
					15.0			
					20.0			
					25.0			

NOTES: DNC = Did Not Cave, NE = Not Encountered, NR = No Recovery

Whitestone Associates, Inc.
35 Technology Drive, Warren, NJ 07059
Phone: (908) 668-7777 Fax:(908) 754-5936

Job #: EJ1111829.002
Well #: MW-1
Start Date: 07/16/12

Site: 1538 Stillwell Avenue
1540 Bassett Avenue, Bronx, NY

Well Permit #: NA
Completion Date: 07/17/12
Geologist: Patrick Beesley
Drilling Co.: Associated Environmental Services, Ltd.
Driller/Helper: John S.
Drill Rig: AMS Power Probe
Drilling Method: Hollow-Stem Auger/Air-Rotary
Type of Bit: Auger/Air
Sampler Type: Split-Spoon
G.W. Encountered: 26'
G.W. Stabilized: 7.2'
Well Depth: 38.0'
Depth to Rim:
Borehole Diameter: 4.0"
Well Diameter: 2.0"

WELL LOCATION SKETCH (N.T.S)

Solid Riser/Casing: 0.0' - 14.0'
Screen Interval/Screen Type: 14.0' - 38.0'
Grout: 0.0' - 12.0'
Sand Pack/Open Borehole: 12.0' - 38.0'

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OUA (METER UNITS)	BLOWS/6.0	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION
					A	Asphalt and Gravel Subbase
1		0.0			FILL	Brown Silty Sand, Trace Gravel
2		0.0		14		
3		0.0				
4		0.0		18		
5		0.0			SAND	Brown to Gray Silty Sand
6		0.0		20		
7		0.0				
8		0.0		18		
9		0.0				
10		0.0		12		
11						
12						
13						
14					ROCK	Schist
15						
16						
17						
18						
19						
20						
21						
22						
23						
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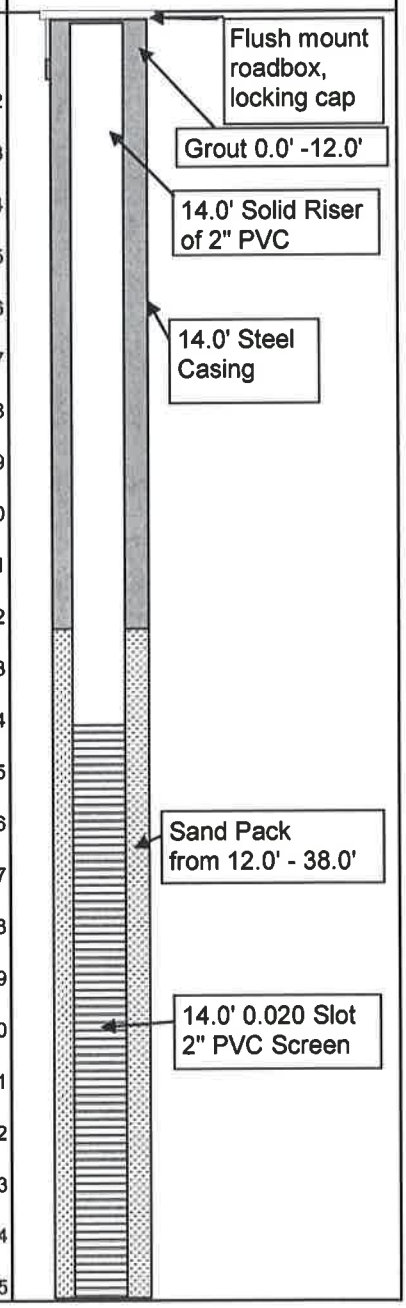
WELL CONSTRUCTION DIAGRAM (N.T.S)



Whitestone Associates, Inc.
35 Technology Drive, Warren, NJ 07059
Phone: (908) 668-7777 Fax:(908) 754-5936

Job #: EJ1111829.002
Well #: MW-1
Start Date: 07/16/12

Site: 1538 Stillwell Avenue
1540 Bassett Avenue, Bronx, NY

Well Permit #: NA
Completion Date: 07/17/12
Geologist: Patrick Beesley
Drilling Co.: Associated Environmental Services, Ltd.
Driller/Helper: John S.
Drill Rig: AMS Power Probe
Drilling Method: Hollow-Stem Auger/Air-Rotary
Type of Bit: Auger/Air
Sampler Type: Split-Spoon
G.W. Encountered: 26'
G.W. Stabilized: 7.2'
Well Depth: 38.0'
Depth to Rim:
Borehole Diameter: 4.0"
Well Diameter: 2.0"

WELL LOCATION SKETCH (N.T.S)

Solid Riser/Casing: 0.0' - 14.0'
Screen Interval/Screen Type: 14.0' - 38.0'
Grout: 0.0' - 12.0'
Sand Pack/Open Borehole: 12.0' - 38.0'

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OUA (METER UNITS)	BLOWS/6.0	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION
26					ROCK	Schist
27						
28						
29						
30						
31						
32						
33						
34						
35						
36						
37						
38						
39						Monitor Well MW-1 Completed to 38.0 Feet Below Ground Surface (fbgs)
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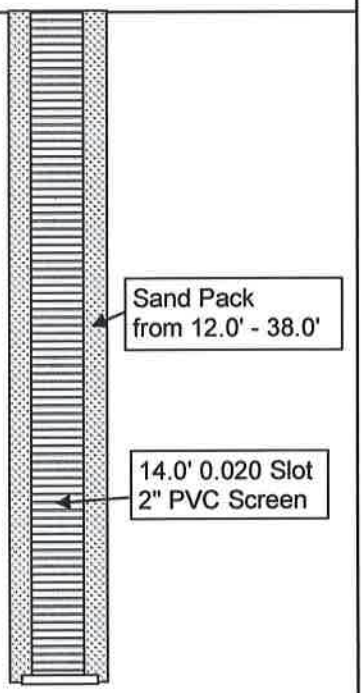
WELL CONSTRUCTION DIAGRAM (N.T.S)



Whitestone Associates, Inc.
35 Technology Drive, Warren, NJ 07059
Phone: (908) 668-7777 Fax:(908) 754-5936

Job #: EJ1111829.002
Well #: MW-2
Start Date: 07/16/12

Site: 1538 Stillwell Avenue
1540 Bassett Avenue, Bronx, NY

Well Permit #: NA
Completion Date: 07/18/12
Geologist: Patrick Beesley
Drilling Co.: Associated Environmental Services, Ltd.
Driller/Helper: John S.
Drill Rig: AMS Power Probe
Drilling Method: Hollow-Stem Auger/Air-Rotary
Type of Bit: Auger/Air
Sampler Type: Split-Spoon
G.W. Encountered: 31'
G.W. Stabilized: 9.35'
Well Depth: 41.0'
Depth to Rim:
Borehole Diameter: 4.0"
Well Diameter: 2.0"

WELL LOCATION SKETCH (N.T.S)

Solid Riser/Casing: 0.0' - 16.0'
Screen Interval/Screen Type: 16.0' - 41.0'
Grout: 0.0' - 14.0'
Sand Pack/Open Borehole: 14.0' - 41.0'

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OUA (METER UNITS)	BLOWS/6.0	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION
					A	Asphalt and Gravel Subbase
1		0.0			FILL	Brown Coarse to Fine Sand, Some Silt, Trace Debris (Concrete, Gravel)
2		0.0		12		
3		0.0				
4		0.0		12		Black to Dark Brown Coarse to Fine Sand, Some Silt, Trace Debris (Wood, Concrete, Gravel)
5		0.0				
6		0.0		14		
7		0.0				
8		0.0		15		
9		0.0				
10		0.0		13		
11						
12						
13						
14						
15						
16						
17					ROCK	Schist
18						
19						
20						
21						
22						
23						
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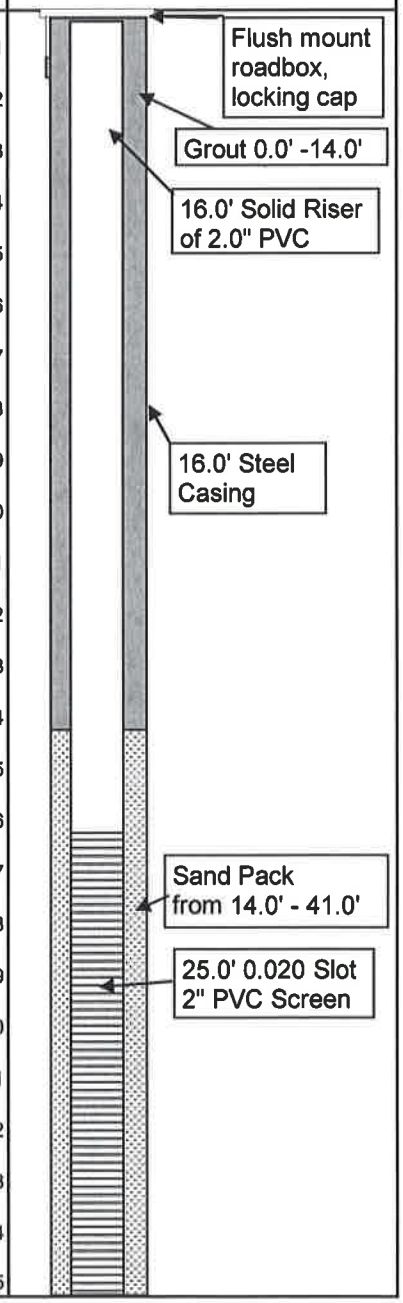
WELL CONSTRUCTION DIAGRAM (N.T.S)



Whitestone Associates, Inc.
35 Technology Drive, Warren, NJ 07059
Phone: (908) 668-7777 Fax:(908) 754-5936

Job #: EJ1111829.002
Well #: MW-2
Start Date: 07/16/12

Site: 1538 Stillwell Avenue
1540 Bassett Avenue, Bronx, NY

Well Permit #: NA
Completion Date: 07/18/12
Geologist: Patrick Beesley
Drilling Co.: Associated Environmental Services, Ltd.
Driller/Helper: John S.
Drill Rig: AMS Power Probe
Drilling Method: Hollow-Stem Auger/Air-Rotary
Type of Bit: Auger/Air
Sampler Type: Split-Spoon
G.W. Encountered: 31'
G.W. Stabilized: 9.35'
Well Depth: 41.0'
Depth to Rim:
Borehole Diameter: 4.0"
Well Diameter: 2.0"

WELL LOCATION SKETCH (N.T.S)

Solid Riser/Casing: 0.0' - 16.0'
Screen Interval/Screen Type: 16.0' - 41.0'
Grout: 0.0' - 14.0'
Sand Pack/Open Borehole: 14.0' - 41.0'

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OUA (METER UNITS)	BLOWS/6.0	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION
26					ROCK	Schist
27						
28						
29						
30						
31						
32						
33						
34						
35						
36						
37						
38						
39						
40						
41						
42						Monitor Well MW-2 Completed to 41.0 Feet Below Ground Surface (fbgs)
43						
44						
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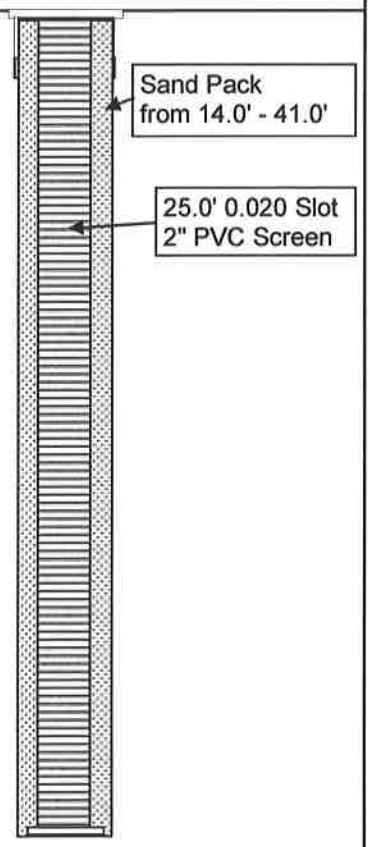
WELL CONSTRUCTION DIAGRAM (N.T.S)



Whitestone Associates, Inc.
35 Technology Drive, Warren, NJ 07059
Phone: (908) 668-7777 Fax:(908) 754-5936

Job #: EJ1111829.002
Well #: MW-3
Start Date: 07/17/12

Site: 1538 Stillwell Avenue
1540 Bassett Avenue, Bronx, NY

Well Permit #: NA
Completion Date: 07/18/12
Geologist: Patrick Beesley
Drilling Co.: Associated Environmental Services, Ltd.
Driller/Helper: John S.
Drill Rig: AMS Limited-Access Rig
Drilling Method: Hollow-Stem Auger/Air-Rotary
Type of Bit: Auger/Air
Sampler Type: Split-Spoon
G.W. Encountered: 18'
G.W. Stabilized: 9.75'
Well Depth: 28.0'
Depth to Rim:
Borehole Diameter: 4.0"
Well Diameter: 2.0"

WELL LOCATION SKETCH (N.T.S)

Solid Riser/Casing: 0.0' - 11.0'
Screen Interval/Screen Type: 11.0' - 28.0'
Grout: 0.0' - 9.0'
Sand Pack/Open Borehole: 9.0' - 28.0'

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OUA (METER UNITS)	BLOWS/6.0	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION
					C	Concrete and Gravel Subbase
1		0.0			FILL	Dark Brown to Gray Coarse to Fine Sand, Little Silt, Some Gravel and Mica Flakes
2		0.0		18		
3		0.0				
4		0.0		20		
						Reddish-Brown Silt, Some Coarse to Fine Sand, Trace Gravel
5		0.0				
6		0.0		16		
					SAND	Brown Coarse to Fine Sand and Silt, Trace Gravel
7		0.0				
8		0.0		16		
9		0.0				
10		0.0		16		
11						
					ROCK	Schist
12						
13						
14						
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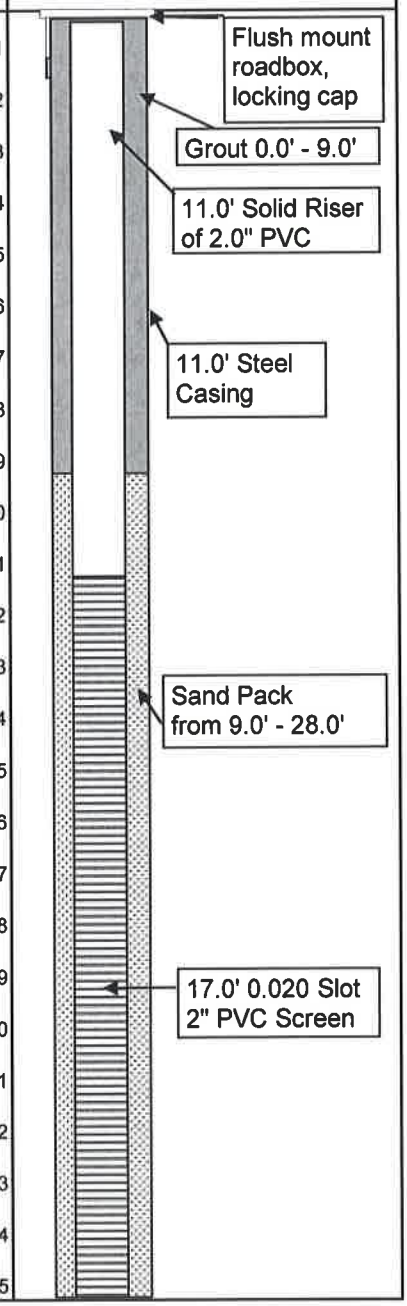
WELL CONSTRUCTION DIAGRAM (N.T.S)



Whitestone Associates, Inc.
35 Technology Drive, Warren, NJ 07059
Phone: (908) 668-7777 Fax:(908) 754-5936

Job #: EJ1111829.002
Well #: MW-3
Start Date: 07/17/12

Site: 1538 Stillwell Avenue
1540 Bassett Avenue, Bronx, NY

Well Permit #: NA
Completion Date: 07/18/12
Geologist: Patrick Beesley
Drilling Co.: Associated Environmental Services, Ltd.
Driller/Helper: John S.
Drill Rig: AMS Limited-Access Rig
Drilling Method: Hollow-Stem Auger/Air-Rotary
Type of Bit: Auger/Air
Sampler Type: Split-Spoon
G.W. Encountered: 18'
G.W. Stabilized: 9.75'
Well Depth: 28.0'
Depth to Rim:
Borehole Diameter: 4.0"
Well Diameter: 2.0"

WELL LOCATION SKETCH (N.T.S)

Solid Riser/Casing: 0.0' - 11.0'
Screen Interval/Screen Type: 11.0' - 28.0'
Grout: 0.0' - 9.0'
Sand Pack/Open Borehole: 9.0' - 28.0'

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OUA (METER UNITS)	BLOWS/6.0	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION
26					ROCK	Schist
27						
28						
29						Monitor Well MW-3 Completed to 28.0 Feet Below Ground Surface (fbgs)
30						
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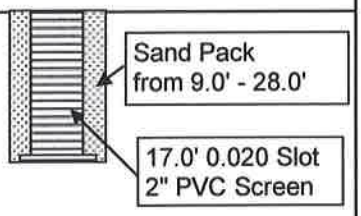
WELL CONSTRUCTION DIAGRAM (N.T.S)



Whitestone Associates, Inc.
35 Technology Drive, Warren, NJ 07059
Phone: (908) 668-7777 Fax:(908) 754-5936

Job #: EJ1111829.002
Well #: MW-4
Start Date: 07/17/12

Site: 1538 Stillwell Avenue 1540 Bassett Avenue, Bronx, NY	**Well Permit #:** NA **Completion Date:** 07/17/12
Geologist: Patrick Beesley	**Drilling Co.:** Associated Environmental Services, Ltd.
Driller/Helper: John S.	**Drill Rig:** AMS Limited-Access Rig
Drilling Method: Hollow-Stem Auger/Air-Rotary	**Type of Bit:** Auger/Air
Sampler Type: Split-Spoon	

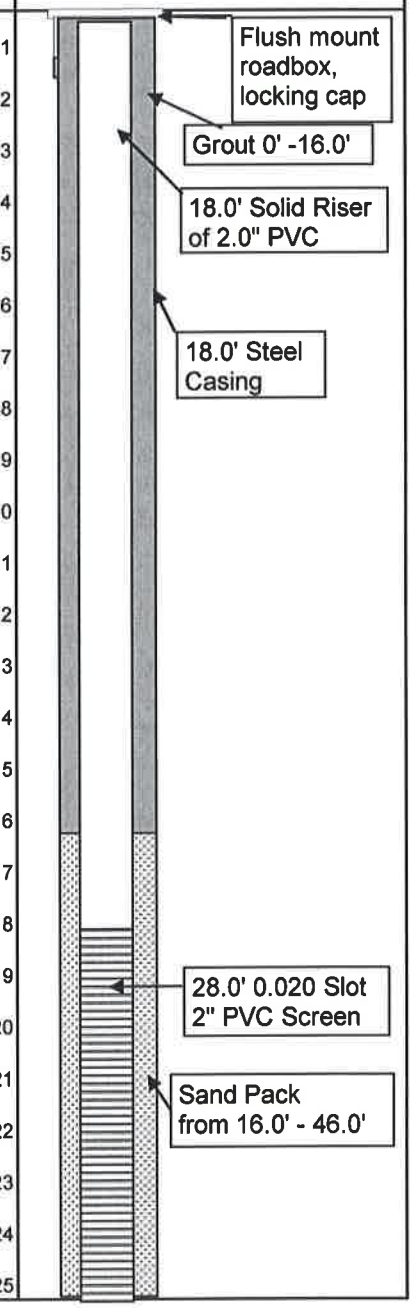
G.W. Encountered: 36'	**G.W. Stabilized:** 13.5'	**Well Depth:** 46.0'	
Depth to Rim:	**Borehole Diameter:** 4.0"	**Well Diameter:** 2.0"	

WELL LOCATION SKETCH (N.T.S)

Solid Riser/Casing: 0.0' - 18.0'	
Screen Interval/Screen Type: 18.0' - 46.0'	
Grout: 0.0' - 16.0'	**Sand Pack/Open Borehole:** 16.0' - 46.0'

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OUA (METER UNITS)	BLOWS/6.0	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION
					C	Concrete and Gravel Subbase
1		0.0			FILL	Brown Silty Sand, Trace Gravel, Some Debris (Concrete, Brick)
2		0.0		12		
3		0.0				
4		0.0		10		
5		0.0			SAND	Brown to Reddish-Brown Silty Sand, Some Gravel
6		0.0		24		
7		0.0				
8		0.0		22		
9		0.0				
10		0.0		12		
11						
12						
13						
14						
15						
16						
17						
18						
19					ROCK	Schist
20						
21						
22						
23						
24						
25						

WELL CONSTRUCTION DIAGRAM (N.T.S)



Whitestone Associates, Inc.
35 Technology Drive, Warren, NJ 07059
Phone: (908) 668-7777 Fax:(908) 754-5936

Job #:	EJ1111829.002
Well #:	MW-4
Start Date:	07/17/12

Site:	1538 Stillwell Avenue 1540 Bassett Avenue, Bronx, NY	**Well Permit #:**	NA
		Completion Date:	07/17/12
Geologist:	Patrick Beesley	**Drilling Co.:**	Associated Environmental Services, Ltd.
Driller/Helper:	John S.	**Drill Rig:**	AMS Limited-Access Rig
Drilling Method:	Hollow-Stem Auger/Air-Rotary	**Type of Bit:**	Auger/Air
Sampler Type:	Split-Spoon		

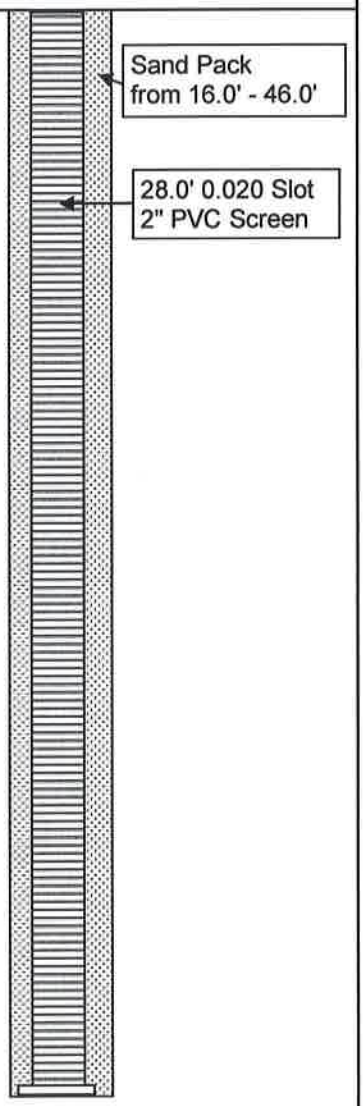
G.W. Encountered:	36'	**G.W. Stabilized:**	13.5'	**Well Depth:**	46.0'
Depth to Rim:		**Borehole Diameter:**	4.0"	**Well Diameter:**	2.0"

WELL LOCATION SKETCH (N.T.S)

Solid Riser/Casing:	0.0' - 18.0'		
Screen Interval/Screen Type:	18.0' - 46.0'		
Grout:	0.0' - 16.0'	**Sand Pack/Open Borehole:**	16.0' - 46.0'

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OUA (METER UNITS)	BLOWS/6.0	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION
26					ROCK	Schist
27						
28						
29						
30						
31						
32						
33						
34						
35						
36						
37						
38						
39						
40						
41						
42						
43						
44						
45						
46						
47						Monitor Well MW-4 Completed to 46.0 Feet Below Ground Surface (fbgs)
48						
49						
50						

WELL CONSTRUCTION DIAGRAM (N.T.S)



Whitestone Associates, Inc.
35 Technology Drive, Warren, NJ 07059
Phone: (908) 668-7777 Fax:(908) 754-5936

Job #:	EJ1111829.002
Well #:	MW-5
Start Date:	11/05/12

Site:	1538 Stillwell Avenue 1540 Bassett Avenue, Bronx, NY	**Well Permit #:**	NA
		Completion Date:	11/05/12
Geologist:	Patrick Beesley	**Drilling Co.:**	Associated Environmental Services, Ltd.
Driller/Helper:	John S.	**Drill Rig:**	AMS Power Probe
Drilling Method:	Hollow-Stem Auger/Air-Rotary	**Type of Bit:**	Auger/Air
Sampler Type:	Split-Spoon		

G.W. Encountered:	17.0'	**G.W. Stabilized:**	12.02'	**Well Depth:**	27.0'
Depth to Rim:		**Borehole Diameter:**	4.0"	**Well Diameter:**	2.0"

WELL LOCATION SKETCH (N.T.S)

Solid Riser/Casing:	0.0' - 8.0'		
Screen Interval/Screen Type:	8.0' - 27.0'		
Grout:	0.0' - 6.0'	**Sand Pack/Open Borehole:**	6.0' - 27.0'

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OUA (METER UNITS)	BLOWS/6.0	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION
					A	Asphalt and Gravel Subbase
1		0.0			FILL	Brown Silty Sand, Trace Gravel
2		0.0				
3		0.0				
4		0.0				
5		0.0			SAND	Brown to Gray Silty Sand
6		0.0				
7		0.0			ROCK	Schist
8						
9						
10						
11						
12						
13						
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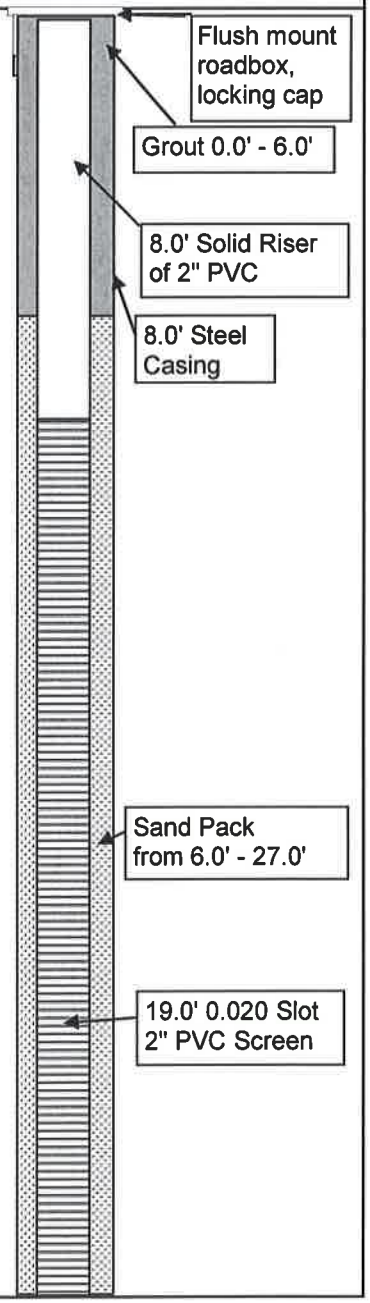
WELL CONSTRUCTION DIAGRAM (N.T.S)



Whitestone Associates, Inc.
35 Technology Drive, Warren, NJ 07059
Phone: (908) 668-7777 Fax:(908) 754-5936

Job #: EJ1111829.002
Well #: MW-5
Start Date: 11/05/12

Site: 1538 Stillwell Avenue
1540 Bassett Avenue, Bronx, NY

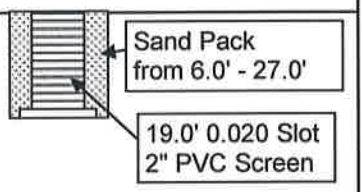
Well Permit #: NA
Completion Date: 11/05/12
Geologist: Patrick Beesley
Drilling Co.: Associated Environmental Services, Ltd.
Driller/Helper: John S.
Drill Rig: AMS Power Probe
Drilling Method: Hollow-Stem Auger/Air-Rotary
Type of Bit: Auger/Air
Sampler Type: Split-Spoon
G.W. Encountered: 17'
G.W. Stabilized: 12.02'
Well Depth: 27.0'
Depth to Rim:
Borehole Diameter: 4.0"
Well Diameter: 2.0"

WELL LOCATION SKETCH (N.T.S)

Solid Riser/Casing: 0.0' - 8.0'
Screen Interval/Screen Type: 8.0' - 27.0'
Grout: 0.0' - 6.0'
Sand Pack/Open Borehole: 6.0' - 27.0'

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OUA (METER UNITS)	BLOWS/6.0	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION	DEPTH (FT.)
26					ROCK	Schist	26
27							27
28						Monitor Well MW-5 Completed to 27.0 Feet Below Ground Surface (fbgs)	28
29							29
30							30
31							31
32							32
33							33
34							34
35							35
36							36
37							37
38							38
39							39
40							40
41							41
42							42
43							43
44							44
45							45
46							46
47							47
48							48
49							49
50							50

WELL CONSTRUCTION DIAGRAM (N.T.S)



Whitestone Associates, Inc.
35 Technology Drive, Warren, NJ 07059
Phone: (908) 668-7777 Fax:(908) 754-5936

Job #: EJ1111829.002
Well #: MW-6
Start Date: 11/05/12

Site: 1538 Stillwell Avenue
1540 Bassett Avenue, Bronx, NY

Well Permit #: NA
Completion Date: 11/06/12
Geologist: Patrick Beesley
Drilling Co.: Associated Environmental Services, Ltd.
Driller/Helper: John S.
Drill Rig: AMS Power Probe
Drilling Method: Hollow-Stem Auger/Air-Rotary
Type of Bit: Auger/Air
Sampler Type: Split-Spoon
G.W. Encountered: 22.0'
G.W. Stabilized: 11.35'
Well Depth: 32.0'
Depth to Rim:
Borehole Diameter: 4.0"
Well Diameter: 2.0"

WELL LOCATION SKETCH (N.T.S)

Solid Riser/Casing: 0.0' - 17.0'
Screen Interval/Screen Type: 17.0' - 32.0'
Grout: 0.0' - 14.0'
Sand Pack/Open Borehole: 14.0' - 32.0'

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OUA (METER UNITS)	BLOWS/6.0	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION
					A	Asphalt and Gravel Subbase
1		0.0			FILL	Brown Coarse to Fine Sand, Some Silt, Trace Gravel and Debris (Concrete)
2		0.0				
3		0.0				
4		0.0				Black to Dark Brown Coarse to Fine Sand, Some Silt, Trace Gravel and Debris (Wood, Concrete)
5		0.0				
6		0.0				
7		0.0				
8		0.0				
9		0.0				
10		0.0				
11		0.0				
12		0.0				
13		0.0				
14		0.0				
15		0.0				
16		0.0				
17					ROCK	Schist
18						
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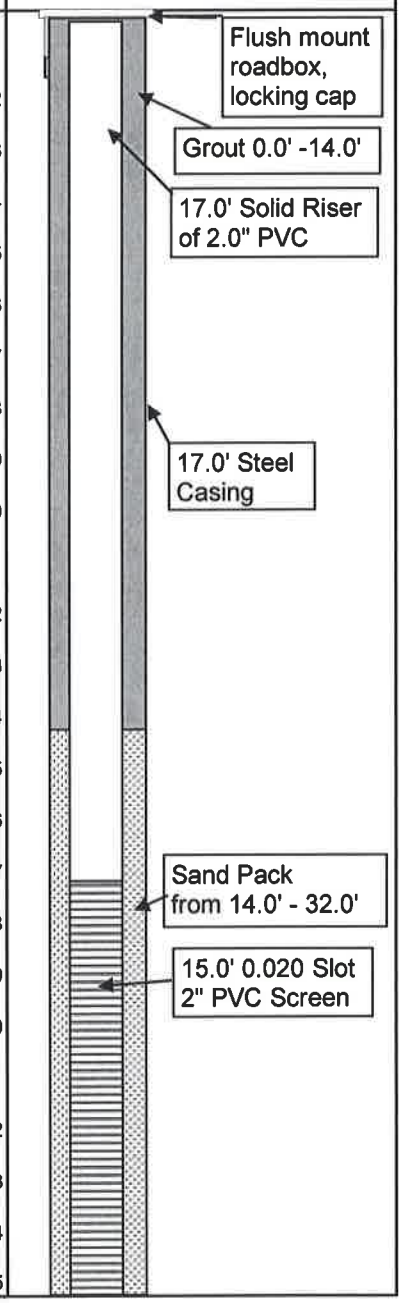
WELL CONSTRUCTION DIAGRAM (N.T.S)



Whitestone Associates, Inc.
35 Technology Drive, Warren, NJ 07059
Phone: (908) 668-7777 Fax:(908) 754-5936

Job #: EJ1111829.002
Well #: MW-6
Start Date: 11/05/12

Site: 1538 Stillwell Avenue 1540 Bassett Avenue, Bronx, NY	**Well Permit #:** NA **Completion Date:** 11/06/12
Geologist: Patrick Beesley	**Drilling Co.:** Associated Environmental Services, Ltd.
Driller/Helper: John S.	**Drill Rig:** AMS Power Probe
Drilling Method: Hollow-Stem Auger/Air-Rotary	**Type of Bit:** Auger/Air
Sampler Type: Split-Spoon	
G.W. Encountered: 22'	**G.W. Stabilized:** 11.35' **Well Depth:** 32.0'
Depth to Rim:	**Borehole Diameter:** 4.0" **Well Diameter:** 2.0"

WELL LOCATION SKETCH (N.T.S)

Solid Riser/Casing: 0.0' - 17.0'
Screen Interval/Screen Type: 17.0' - 32.0'
Grout: 0.0' - 14.0' **Sand Pack/Open Borehole:** 14.0' - 32.0'

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OUA (METER UNITS)	BLOWS/6.0	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION
26					ROCK	Schist
27						
28						
29						
30						
31						
32						
33						Monitor Well MW-6 Completed to 32.0 Feet Below Ground Surface (fbgs)
34						
35						
36						
37						
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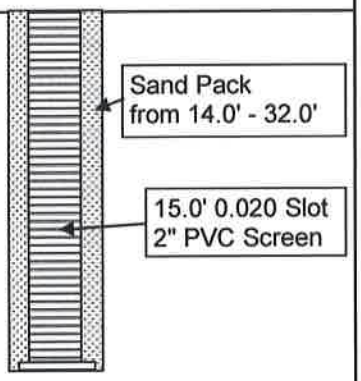
WELL CONSTRUCTION DIAGRAM (N.T.S)



Whitestone Associates, Inc.
35 Technology Drive, Warren, NJ 07059
Phone: (908) 668-7777 Fax:(908) 754-5936

Job #: EJ1111829.002
Well #: MW-7
Start Date: 11/05/12

Site: 1538 Stillwell Avenue
1540 Bassett Avenue, Bronx, NY

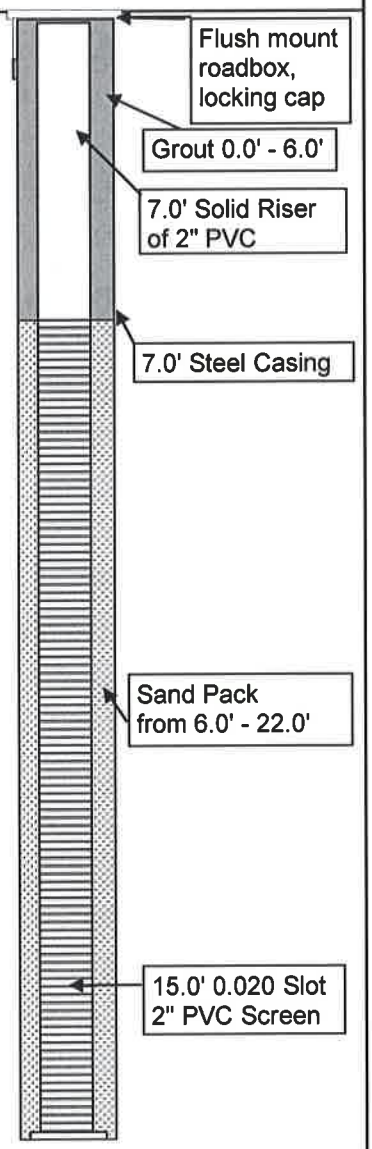
Well Permit #: NA
Completion Date: 11/06/12
Geologist: Patrick Beesley
Drilling Co.: Associated Environmental Services, Ltd.
Driller/Helper: John S.
Drill Rig: AMS Limited-Access Rig
Drilling Method: Hollow-Stem Auger/Air-Rotary
Type of Bit: Auger/Air
Sampler Type: Split-Spoon
G.W. Encountered: 12.0'
G.W. Stabilized: 9.60'
Well Depth: 22.0'
Depth to Rim:
Borehole Diameter: 4.0"
Well Diameter: 2.0"

WELL LOCATION SKETCH (N.T.S)

Solid Riser/Casing: 0.0' - 7.0'
Screen Interval/Screen Type: 7.0' - 22.0'
Grout: 0.0' - 6.0'
Sand Pack/Open Borehole: 6.0' - 22.0'

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OUA (METER UNITS)	BLOWS/6.0	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION
					C	Concrete and Gravel Subbase
1		0.0			FILL	Dark Brown to Gray Coarse to Fine Sand, Some Silt, Little Gravel and Mica Flakes
2		0.0				
3		0.0				
4		0.0				
						Reddish-Brown Silt, Some Coarse to Fine Sand, Trace Gravel
5		0.0				
6		0.0				
7		0.0				
					ROCK	Schist
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
						Monitor Well MW-7 Completed to 22.0 Feet Below Ground Surface (fbgs)
23						
24						
25						

WELL CONSTRUCTION DIAGRAM (N.T.S)



APPENDIX 4
Groundwater Field Sampling Data Summaries

GROUNDWATER FIELD SAMPLING DATA SUMMARY - JULY 24, 2012
PROPOSED SELF-STORAGE FACILITY
1538 STILLWELL AVENUE AND
1540 BASSETT AVENUE
BRONX, BRONX COUNTY, NEW YORK

PARAMETER	MW-1	MW-2	MW-3	MW-4
PRE-PURGE*				
Depth to Water (feet)	7.00	9.26	9.30	13.21
Well Depth (feet)	32.0	46.0	29.0	41.0
Length of Water Column (feet)	25.0	36.74	19.7	27.79
Total Gallons of Water	4.0	6.0	3.20	4.5
Total Gallons Purged	8.0	10.0	7.0	9.0
Temperature (ºC)	20.88	25.26	18.52	23.84
pH	5.69	5.13	5.10	4.40
Conductivity (umhos/cm)	1.31	1.16	1.59	0.286
Turbidity	281	711	771	424
Dissolved Oxygen (ppm)	10.38	6.56	4.29	7.39
ORP (mV)	110	169	140	55
POST-PURGE*				
Depth to Water (feet)	11.13	9.45	9.72	17.31
Temperature (ºC)	20.84	19.06	18.52	21.68
pH	5.64	5.39	5.19	6.08
Conductivity (umhos/cm)	1.31	1.41	1.54	0.622
Turbidity	271	227	570	385
Dissolved Oxygen (ppm)	8.34	4.96	6.33	3.19
ORP (mV)	114	187	140	-56
Time Sampled	13:00	12:30	11:00	14:30
POST-SAMPLING*				
Depth to Water (feet)	11.15	9.47	9.74	17.33
Temperature (ºC)	20.84	19.06	18.52	21.68
pH	5.62	5.40	5.19	6.08
Conductivity (umhos/cm)	1.33	1.40	1.54	0.622
Turbidity	278	230	570	385
Dissolved Oxygen (ppm)	8.17	4.99	6.33	3.19
ORP (mV)	115	118	139	-57

NOTES:

*	Measurements from top of PVC casing
°C	Degrees Celsius
ppm	parts per million
mV	millivolts
umhos/cm	micromhos per centimeter

GROUNDWATER FIELD SAMPLING DATA SUMMARY - NOVEMBER 12, 2012
PROPOSED SELF-STORAGE FACILITY
1538 STILLWELL AVENUE AND
1540 BASSETT AVENUE
BRONX, BRONX COUNTY, NEW YORK

PARAMETER	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7
PRE-PURGE*							
Depth to Water (feet)	7.22	9.55	9.66	13.32	12.02	11.35	9.60
Well Depth (feet)	32.0	46.0	29.0	41.0	27.0	32.0	22.0
Length of Water Column (feet)	24.78	36.45	19.34	27.68	14.98	20.65	12.40
Total Gallons of Water	4.00	5.94	3.15	4.51	2.44	3.36	2.02
Total Gallons Purged	8.00	10.00	8.00	8.00	8.00	9.00	8.00
Temperature (ºC)	17.80	17.00	17.70	18.10	18.53	17.21	16.80
pH	6.78	6.47	6.34	7.31	6.80	6.44	6.73
Conductivity (umhos/cm)	0.974	1.46	1.46	0.421	0.209	1.14	1.88
Turbidity	3.3	2.2	92.8	0.0	664	42.1	447
Dissolved Oxygen (ppm)	3.27	7.12	2.81	4.38	1.92	3.33	4.26
ORP (mV)	-29	149	152	-85	111	97	126
POST-PURGE*							
Depth to Water (feet)	7.30	9.64	9.70	13.40	12.25	11.45	9.64
Temperature (ºC)	17.26	15.98	17.41	17.82	18.30	17.18	17.65
pH	6.79	6.27	6.22	7.17	7.21	6.30	6.76
Conductivity (umhos/cm)	1.04	1.47	1.42	0.407	0.261	1.22	1.94
Turbidity	0.0	0.0	0.0	0.0	336	0.0	8.6
Dissolved Oxygen (ppm)	0.59	3.16	1.55	3.30	2.06	1.85	1.14
ORP (mV)	-18	167	168	-83	83	89	10
Time Sampled	13:45	9:40	12:10	14:40	8:37	10:50	13:20
POST-SAMPLING*							
Depth to Water (feet)	7.32	9.72	9.74	13.52	12.34	11.57	9.66
Temperature (ºC)	17.19	15.84	17.39	17.76	18.12	17.14	17.71

GROUNDWATER FIELD SAMPLING DATA SUMMARY - NOVEMBER 12, 2012
PROPOSED SELF-STORAGE FACILITY
1538 STILLWELL AVENUE AND
1540 BASSETT AVENUE
BRONX, BRONX COUNTY, NEW YORK

PARAMETER	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7
pH	6.79	6.26	6.22	7.13	7.16	6.33	6.77
Conductivity (umhos/cm)	1.04	1.47	1.40	0.403	0.74	1.24	1.94
Turbidity	0.0	0.0	0.0	0.0	254	0.0	6.77
Dissolved Oxygen (ppm)	0.56	2.67	1.27	3.03	1.93	1.80	1.18
ORP (mV)	-16	169	162	-80	87	104	-20

NOTES:

*	Measurements from top of PVC casing
°C	Degrees Celsius
ppm	parts per million
mV	millivolts
umhos/cm	micromhos per centimeter

np L:\Job Folders\2011\1111829EJ\11829.002\Reports\11829-RIR\11829.002-RIR-Tables\11829-SamplingData(11-12-12).wpd

APPENDIX 5
Analytical Data

HC·V
HAMPTONCLARKE·VERITECH

175 ROUTE 46 WEST, UNIT D · FAIRFIELD, NJ 07004
2 MADISON ROAD, FAIRFIELD, NJ 07004
800-426-9992 · 973-244-9770
FAX: 973-244-9787

WWW.HCVLAB.COM

Project: EJ1111829.000

Client PO: Not Available

Report To: Whitestone Associates
35 Technology Drive
Warren, NJ 07059

Attn: C.Seib

Received Date: 10/21/2011

Report Date: 11/28/2011

Deliverables: NYDOH-R

Lab ID: AC62229

Lab Project No: 1102107

This report is a true report of results obtained from our tests of this material. The report relates only to those samples received and analyzed by the laboratory. All results meet the requirements of the NELAC Institute standards. Laboratory reports may not be reproduced, except in full, without the written approval of the laboratory.

In lieu of a formal contract document, the total aggregate liability of Veritech to all parties shall not exceed Veritech's total fee for analytical services rendered.

Robin Cousineau - Quality Assurance Director OR **Stanley Gilewicz - Laboratory Director**

NJ	(07071)	NY	(ELAP11408)	CT	(PH-0671)	USACE
PA	(68-00463)	KY	(90124)	WV	(353)	

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Sample Summary

Client: Whitestone Associates

Project: EJ1111829.000

HCV Project #: 1102107

Lab#	SampleID	Matrix	Collection Date	Receipt Date
AC62229-001	B-1	Soil	10/19/2011	10/21/2011
AC62229-002	B-2	Soil	10/19/2011	10/21/2011
AC62229-003	B-3	Soil	10/19/2011	10/21/2011
AC62229-004	B-4	Soil	10/19/2011	10/21/2011
AC62229-005	B-5A	Soil	10/19/2011	10/21/2011
AC62229-006	B-5B	Soil	10/19/2011	10/21/2011
AC62229-007	TW-1	Aqueous	10/19/2011	10/21/2011
AC62229-008	TW-2	Aqueous	10/19/2011	10/21/2011

HCV Case Narrative

Client: Whitestone Associates
Project: EJ1111829.000

HCV Project: 1102107

This case narrative is in the form of an exception report. Method specific and/or QA/QC anomalies related to this report only are detailed below.

Volatile Organic Analysis:

Acetone was recovered in samples AC62229-005 and --006, suggesting laboratory contamination.

Base Neutral/Acid Extractable Analysis:

The Matrix Spike Duplicate for batch SMB9108 had recoveries outside QC limits. However, since the associated Method Blank and Laboratory Control Sample were within control, no corrective action was necessary.

Metals Analysis:

The Matrix Spike Duplicate for batch 11490 had recoveries outside QC limits. However, since the associated Method Blank and Laboratory Control Sample were within control, no corrective action was necessary.

The RPD between the QC sample and the Method Replicate had recoveries outside QC limits in batch 11490. The RPD criteria were met between the LCS/LCS Method Replicate.

The serial dilution for batch 11490 is outside QC limits for one or more analytes, suggesting matrix interference.

Robin Cousineau
Robin Cousineau
Quality Assurance Director

Or

Stanley Gilewicz
Laboratory Director

11/28/11
Date

HCV Executive Summary

Client: Whitestone Associates **HCV Project #:** 1102107

Project: EJ1111829.000

Lab#: AC62229-001 **Sample ID: B-1**

Analyte	Units	RL	Result	Analytical Method
Aluminum	mg/kg	260	8700	EPA 6010B
Antimony	mg/kg	2.6	5.5	EPA 6010B
Arsenic	mg/kg	2.6	50	EPA 6010B
Barium	mg/kg	13	610	EPA 6010B
Cadmium	mg/kg	0.78	3.7	EPA 6010B
Calcium	mg/kg	1300	2800	EPA 6010B
Chromium	mg/kg	6.5	43	EPA 6010B
Cobalt	mg/kg	3.2	12	EPA 6010B
Copper	mg/kg	6.5	190	EPA 6010B
Iron	mg/kg	260	40000	EPA 6010B
Lead	mg/kg	6.5	4200	EPA 6010B
Magnesium	mg/kg	650	3900	EPA 6010B
Manganese	mg/kg	13	890	EPA 6010B
Nickel	mg/kg	6.5	29	EPA 6010B
Potassium	mg/kg	650	3400	EPA 6010B
Vanadium	mg/kg	13	43	EPA 6010B
Zinc	mg/kg	13	480	EPA 6010B
Mercury	mg/kg	0.11	0.55	EPA 7471A
Acenaphthylene	mg/kg	0.13	0.34	EPA 8270C
Anthracene	mg/kg	0.13	0.26	EPA 8270C
Benzo[a]anthracene	mg/kg	0.13	0.99	EPA 8270C
Benzo[a]pyrene	mg/kg	0.13	0.89	EPA 8270C
Benzo[b]fluoranthene	mg/kg	0.13	1.6	EPA 8270C
Benzo[g,h,i]perylene	mg/kg	0.13	0.83	EPA 8270C
Benzo[k]fluoranthene	mg/kg	0.13	0.49	EPA 8270C
bis(2-Ethylhexyl)phthalate	mg/kg	0.13	0.23	EPA 8270C
Carbazole	mg/kg	0.13	0.15	EPA 8270C
Chrysene	mg/kg	0.13	1.3	EPA 8270C
Dibenzo[a,h]anthracene	mg/kg	0.13	0.39	EPA 8270C
Fluoranthene	mg/kg	0.13	1.7	EPA 8270C
Indeno[1,2,3-cd]pyrene	mg/kg	0.13	0.93	EPA 8270C
Naphthalene	mg/kg	0.032	0.067	EPA 8270C
Phenanthrene	mg/kg	0.13	0.70	EPA 8270C
Pyrene	mg/kg	0.13	1.8	EPA 8270C

HCV Executive Summary

Client: Whitestone Associates **HCV Project #:** 1102107

Project: EJ1111829.000

Lab#: AC62229-002 **Sample ID: B-2**

Analyte	Units	RL	Result	Analytical Method
Aluminum	mg/kg	220	7900	EPA 6010B
Barium	mg/kg	11	87	EPA 6010B
Calcium	mg/kg	1100	5200	EPA 6010B
Chromium	mg/kg	5.4	25	EPA 6010B
Cobalt	mg/kg	2.7	8.1	EPA 6010B
Copper	mg/kg	5.4	23	EPA 6010B
Iron	mg/kg	220	15000	EPA 6010B
Lead	mg/kg	5.4	15	EPA 6010B
Magnesium	mg/kg	540	3400	EPA 6010B
Manganese	mg/kg	11	520	EPA 6010B
Nickel	mg/kg	5.4	15	EPA 6010B
Potassium	mg/kg	540	3100	EPA 6010B
Vanadium	mg/kg	11	26	EPA 6010B
Zinc	mg/kg	11	42	EPA 6010B
Mercury	mg/kg	0.091	0.16	EPA 7471A
Isopropylbenzene	mg/kg	1.1	4.1	EPA 8260B
n-Butylbenzene	mg/kg	1.1	13	EPA 8260B
n-Propylbenzene	mg/kg	1.1	13	EPA 8260B
sec-Butylbenzene	mg/kg	1.1	13	EPA 8260B
t-Butylbenzene	mg/kg	1.1	2.4	EPA 8260B
2-Methylnaphthalene	mg/kg	0.18	9.2	EPA 8270C
Phenanthrene	mg/kg	0.18	0.27	EPA 8270C

HCV Executive Summary

Client: Whitestone Associates **HCV Project #:** 1102107

Project: EJ1111829.000

Lab#: AC62229-003 **Sample ID: B-3**

Analyte	Units	RL	Result	Analytical Method
Aluminum	mg/kg	230	25000	EPA 6010B
Arsenic	mg/kg	2.3	3.3	EPA 6010B
Barium	mg/kg	11	530	EPA 6010B
Beryllium	mg/kg	0.68	1.4	EPA 6010B
Calcium	mg/kg	1100	6400	EPA 6010B
Chromium	mg/kg	5.7	470	EPA 6010B
Cobalt	mg/kg	2.8	24	EPA 6010B
Copper	mg/kg	5.7	75	EPA 6010B
Iron	mg/kg	230	34000	EPA 6010B
Lead	mg/kg	5.7	6.4	EPA 6010B
Magnesium	mg/kg	570	25000	EPA 6010B
Manganese	mg/kg	11	720	EPA 6010B
Nickel	mg/kg	5.7	140	EPA 6010B
Potassium	mg/kg	570	9500	EPA 6010B
Sodium	mg/kg	280	440	EPA 6010B
Vanadium	mg/kg	11	56	EPA 6010B
Zinc	mg/kg	11	75	EPA 6010B
Isopropylbenzene	mg/kg	1.1	4.7	EPA 8260B
n-Butylbenzene	mg/kg	1.1	25	EPA 8260B
n-Propylbenzene	mg/kg	1.1	13	EPA 8260B
sec-Butylbenzene	mg/kg	1.1	16	EPA 8260B
t-Butylbenzene	mg/kg	1.1	1.1	EPA 8260B
2,4-Dimethylphenol	mg/kg	0.038	0.44	EPA 8270C
2-Methylnaphthalene	mg/kg	0.038	0.68	EPA 8270C

HCV Executive Summary

Client: Whitestone Associates **HCV Project #:** 1102107

Project: EJ1111829.000

Lab#: AC62229-004 **Sample ID: B-4**

Analyte	Units	RL	Result	Analytical Method
Aluminum	mg/kg	220	14000	EPA 6010B
Barium	mg/kg	11	170	EPA 6010B
Calcium	mg/kg	1100	2100	EPA 6010B
Chromium	mg/kg	5.4	34	EPA 6010B
Cobalt	mg/kg	2.7	13	EPA 6010B
Copper	mg/kg	5.4	44	EPA 6010B
Iron	mg/kg	220	27000	EPA 6010B
Lead	mg/kg	5.4	41	EPA 6010B
Magnesium	mg/kg	540	6200	EPA 6010B
Manganese	mg/kg	11	760	EPA 6010B
Nickel	mg/kg	5.4	24	EPA 6010B
Potassium	mg/kg	540	6900	EPA 6010B
Vanadium	mg/kg	11	42	EPA 6010B
Zinc	mg/kg	11	79	EPA 6010B
Anthracene	mg/kg	0.036	0.041	EPA 8270C
Benzo[a]anthracene	mg/kg	0.036	0.14	EPA 8270C
Benzo[a]pyrene	mg/kg	0.036	0.12	EPA 8270C
Benzo[b]fluoranthene	mg/kg	0.036	0.17	EPA 8270C
Benzo[g,h,i]perylene	mg/kg	0.036	0.10	EPA 8270C
bis(2-Ethylhexyl)phthalate	mg/kg	0.036	0.056	EPA 8270C
Chrysene	mg/kg	0.036	0.15	EPA 8270C
Dibenzo[a,h]anthracene	mg/kg	0.036	0.044	EPA 8270C
Di-n-butylphthalate	mg/kg	0.018	0.019	EPA 8270C
Fluoranthene	mg/kg	0.036	0.23	EPA 8270C
Indeno[1,2,3-cd]pyrene	mg/kg	0.036	0.096	EPA 8270C
Naphthalene	mg/kg	0.0091	0.17	EPA 8270C
Phenanthrene	mg/kg	0.036	0.14	EPA 8270C
Pyrene	mg/kg	0.036	0.25	EPA 8270C

Lab#: AC62229-005 **Sample ID: B-5A**

Analyte	Units	RL	Result	Analytical Method
Aluminum	mg/kg	220	14000	EPA 6010B
Barium	mg/kg	11	120	EPA 6010B
Calcium	mg/kg	1100	1300	EPA 6010B
Chromium	mg/kg	5.5	39	EPA 6010B
Cobalt	mg/kg	2.7	13	EPA 6010B
Copper	mg/kg	5.5	26	EPA 6010B
Iron	mg/kg	220	20000	EPA 6010B
Magnesium	mg/kg	550	5000	EPA 6010B
Manganese	mg/kg	11	480	EPA 6010B
Nickel	mg/kg	5.5	26	EPA 6010B
Potassium	mg/kg	550	4700	EPA 6010B
Vanadium	mg/kg	11	41	EPA 6010B
Zinc	mg/kg	11	46	EPA 6010B
Acetone	mg/kg	0.011	0.056	EPA 8260B

HCV Executive Summary

Client: Whitestone Associates **HCV Project #:** 1102107

Project: EJ1111829.000

Lab#: AC62229-006 **Sample ID: B-5B**

Analyte	Units	RL	Result	Analytical Method
Aluminum	mg/kg	230	11000	EPA 6010B
Barium	mg/kg	11	150	EPA 6010B
Calcium	mg/kg	1100	1900	EPA 6010B
Chromium	mg/kg	5.7	48	EPA 6010B
Cobalt	mg/kg	2.9	12	EPA 6010B
Copper	mg/kg	5.7	29	EPA 6010B
Iron	mg/kg	230	19000	EPA 6010B
Magnesium	mg/kg	570	5600	EPA 6010B
Manganese	mg/kg	11	220	EPA 6010B
Nickel	mg/kg	5.7	26	EPA 6010B
Potassium	mg/kg	570	4500	EPA 6010B
Vanadium	mg/kg	11	38	EPA 6010B
Zinc	mg/kg	11	41	EPA 6010B
Acetone	mg/kg	0.011	0.022	EPA 8260B

Lab#: AC62229-007 **Sample ID: TW-1**

Analyte	Units	RL	Result	Analytical Method
cis-1,2-Dichloroethene	ug/l	1.0	110	EPA 8260B
Tetrachloroethene	ug/l	1.0	110	EPA 8260B
trans-1,2-Dichloroethene	ug/l	1.0	5.0	EPA 8260B
Trichloroethene	ug/l	1.0	290	EPA 8260B
Benzo[a]anthracene	ug/l	2.0	2.5	EPA 8270C
Benzo[a]pyrene	ug/l	2.0	2.6	EPA 8270C
Benzo[b]fluoranthene	ug/l	2.0	4.5	EPA 8270C
Chrysene	ug/l	2.0	2.8	EPA 8270C
Fluoranthene	ug/l	2.0	4.7	EPA 8270C
Pyrene	ug/l	2.0	4.6	EPA 8270C

Lab#: AC62229-008 **Sample ID: TW-2**

Analyte	Units	RL	Result	Analytical Method
1,2,4-Trimethylbenzene	ug/l	1.0	27	EPA 8260B
1,3,5-Trimethylbenzene	ug/l	1.0	24	EPA 8260B
4-Isopropyltoluene	ug/l	1.0	5.3	EPA 8260B
Isopropylbenzene	ug/l	1.0	4.2	EPA 8260B
n-Butylbenzene	ug/l	1.0	1.9	EPA 8260B
n-Propylbenzene	ug/l	1.0	1.8	EPA 8260B
sec-Butylbenzene	ug/l	1.0	19	EPA 8260B
t-Butylbenzene	ug/l	1.0	4.7	EPA 8260B
2,4-Dimethylphenol	ug/l	2.0	3.3	EPA 8270C
bis(2-Ethylhexyl)phthalate	ug/l	2.0	3.0	EPA 8270C
Naphthalene	ug/l	0.50	6.6	EPA 8270C

HCV Report Of Analysis

Client: Whitestone Associates
Project: EJ1111829.000

HCV Project #: 1102107

Sample ID: B-1
Lab#: AC62229-001
Matrix: Soil

Collection Date: 10/19/2011
Receipt Date: 10/21/2011

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		77

Mercury (Soil/Waste) 7471A

Analyte	DF	Units	RL	Result
Mercury	**1**	**mg/kg**	**0.11**	**0.55**

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,2-Diphenylhydrazine	3	mg/kg	0.13	ND
2,4,5-Trichlorophenol	3	mg/kg	0.13	ND
2,4,6-Trichlorophenol	3	mg/kg	0.13	ND
2,4-Dichlorophenol	3	mg/kg	0.032	ND
2,4-Dimethylphenol	3	mg/kg	0.13	ND
2,4-Dinitrophenol	3	mg/kg	0.65	ND
2,4-Dinitrotoluene	3	mg/kg	0.13	ND
2,6-Dinitrotoluene	3	mg/kg	0.13	ND
2-Chloronaphthalene	3	mg/kg	0.13	ND
2-Chlorophenol	3	mg/kg	0.13	ND
2-Methylnaphthalene	3	mg/kg	0.13	ND
2-Methylphenol	3	mg/kg	0.032	ND
2-Nitroaniline	3	mg/kg	0.13	ND
2-Nitrophenol	3	mg/kg	0.13	ND
3&4-Methylphenol	3	mg/kg	0.032	ND
3,3'-Dichlorobenzidine	3	mg/kg	0.13	ND
3-Nitroaniline	3	mg/kg	0.13	ND
4,6-Dinitro-2-methylphenol	3	mg/kg	0.65	ND
4-Bromophenyl-phenylether	3	mg/kg	0.13	ND
4-Chloro-3-methylphenol	3	mg/kg	0.13	ND
4-Chloroaniline	3	mg/kg	0.062	ND
4-Chlorophenyl-phenylether	3	mg/kg	0.13	ND
4-Nitroaniline	3	mg/kg	0.13	ND
4-Nitrophenol	3	mg/kg	0.13	ND
Acenaphthene	3	mg/kg	0.13	ND
Acenaphthylene	**3**	**mg/kg**	**0.13**	**0.34**
Aniline	3	mg/kg	0.053	ND
Anthracene	**3**	**mg/kg**	**0.13**	**0.26**
Benzidine	3	mg/kg	0.13	ND
Benzo[a]anthracene	**3**	**mg/kg**	**0.13**	**0.99**
Benzo[a]pyrene	**3**	**mg/kg**	**0.13**	**0.89**
Benzo[b]fluoranthene	**3**	**mg/kg**	**0.13**	**1.6**
Benzo[g,h,i]perylene	**3**	**mg/kg**	**0.13**	**0.83**
Benzo[k]fluoranthene	**3**	**mg/kg**	**0.13**	**0.49**
Benzoic acid	3	mg/kg	0.65	ND
bis(2-Chloroethoxy)methane	3	mg/kg	0.13	ND
bis(2-Chloroethyl)ether	3	mg/kg	0.032	ND
bis(2-Chloroisopropyl)ether	3	mg/kg	0.13	ND
bis(2-Ethylhexyl)phthalate	**3**	**mg/kg**	**0.13**	**0.23**
Butylbenzylphthalate	3	mg/kg	0.13	ND
Carbazole	**3**	**mg/kg**	**0.13**	**0.15**
Chrysene	**3**	**mg/kg**	**0.13**	**1.3**
Dibenzo[a,h]anthracene	**3**	**mg/kg**	**0.13**	**0.39**
Dibenzofuran	3	mg/kg	0.032	ND
Diethylphthalate	3	mg/kg	0.13	ND
Dimethylphthalate	3	mg/kg	0.13	ND
Di-n-butylphthalate	3	mg/kg	0.065	ND
Di-n-octylphthalate	3	mg/kg	0.13	ND
Fluoranthene	**3**	**mg/kg**	**0.13**	**1.7**
Fluorene	3	mg/kg	0.13	ND

Sample ID: B-1 **Collection Date: 10/19/2011**
Lab#: AC62229-001 **Receipt Date: 10/21/2011**
Matrix: Soil

Hexachlorobenzene	3	mg/kg	0.13	ND
Hexachlorobutadiene	3	mg/kg	0.13	ND
Hexachlorocyclopentadiene	3	mg/kg	0.13	ND
Hexachloroethane	3	mg/kg	0.13	ND
Indeno[1,2,3-cd]pyrene	**3**	**mg/kg**	**0.13**	**0.93**
Isophorone	3	mg/kg	0.13	ND
Naphthalene	**3**	**mg/kg**	**0.032**	**0.067**
Nitrobenzene	3	mg/kg	0.13	ND
N-Nitrosodimethylamine	3	mg/kg	0.13	ND
N-Nitroso-di-n-propylamine	3	mg/kg	0.032	ND
N-Nitrosodiphenylamine	3	mg/kg	0.13	ND
Pentachlorophenol	3	mg/kg	0.65	ND
Phenanthrene	**3**	**mg/kg**	**0.13**	**0.70**
Phenol	3	mg/kg	0.13	ND
Pyrene	**3**	**mg/kg**	**0.13**	**1.8**

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**260**	**8700**
Antimony	**1**	**mg/kg**	**2.6**	**5.5**
Arsenic	**1**	**mg/kg**	**2.6**	**50**
Barium	**1**	**mg/kg**	**13**	**610**
Beryllium	1	mg/kg	0.78	ND
Cadmium	**1**	**mg/kg**	**0.78**	**3.7**
Calcium	**1**	**mg/kg**	**1300**	**2800**
Chromium	**1**	**mg/kg**	**6.5**	**43**
Cobalt	**1**	**mg/kg**	**3.2**	**12**
Copper	**1**	**mg/kg**	**6.5**	**190**
Iron	**1**	**mg/kg**	**260**	**40000**
Lead	**1**	**mg/kg**	**6.5**	**4200**
Magnesium	**1**	**mg/kg**	**650**	**3900**
Manganese	**1**	**mg/kg**	**13**	**890**
Nickel	**1**	**mg/kg**	**6.5**	**29**
Potassium	**1**	**mg/kg**	**650**	**3400**
Selenium	1	mg/kg	2.3	ND
Silver	1	mg/kg	1.9	ND
Sodium	1	mg/kg	320	ND
Thallium	1	mg/kg	1.6	ND
Vanadium	**1**	**mg/kg**	**13**	**43**
Zinc	**1**	**mg/kg**	**13**	**480**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	mg/kg	0.0026	ND
1,1,2,2-Tetrachloroethane	1	mg/kg	0.0026	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	mg/kg	0.0026	ND
1,1,2-Trichloroethane	1	mg/kg	0.0026	ND
1,1-Dichloroethane	1	mg/kg	0.0026	ND
1,1-Dichloroethene	1	mg/kg	0.0026	ND
1,2,3-Trichloropropane	1	mg/kg	0.0026	ND
1,2,4-Trimethylbenzene	1	mg/kg	0.0013	ND
1,2-Dichlorobenzene	1	mg/kg	0.0026	ND
1,2-Dichloroethane	1	mg/kg	0.0026	ND
1,2-Dichloropropane	1	mg/kg	0.0026	ND
1,3,5-Trimethylbenzene	1	mg/kg	0.0013	ND
1,3-Dichlorobenzene	1	mg/kg	0.0026	ND
1,3-Dichloropropane	1	mg/kg	0.0026	ND
1,4-Dichlorobenzene	1	mg/kg	0.0026	ND
1,4-Dioxane	1	mg/kg	0.13	ND
2-Butanone	1	mg/kg	0.0026	ND
2-Chloroethylvinylether	1	mg/kg	0.0026	ND
2-Hexanone	1	mg/kg	0.0026	ND
4-Isopropyltoluene	1	mg/kg	0.0013	ND
4-Methyl-2-pentanone	1	mg/kg	0.0026	ND
Acetone	1	mg/kg	0.013	ND
Acrolein	1	mg/kg	0.013	ND
Acrylonitrile	1	mg/kg	0.0026	ND
Benzene	1	mg/kg	0.0013	ND
Bromodichloromethane	1	mg/kg	0.0026	ND

Sample ID: B-1
Lab#: AC62229-001
Matrix: Soil

Collection Date: 10/19/2011
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Bromoform	1	mg/kg	0.0026	ND
Bromomethane	1	mg/kg	0.0026	ND
Carbon disulfide	1	mg/kg	0.0026	ND
Carbon tetrachloride	1	mg/kg	0.0026	ND
Chlorobenzene	1	mg/kg	0.0026	ND
Chloroethane	1	mg/kg	0.0026	ND
Chloroform	1	mg/kg	0.0026	ND
Chloromethane	1	mg/kg	0.0026	ND
cis-1,2-Dichloroethene	1	mg/kg	0.0026	ND
cis-1,3-Dichloropropene	1	mg/kg	0.0026	ND
Dibromochloromethane	1	mg/kg	0.0026	ND
Dichlorodifluoromethane	1	mg/kg	0.0026	ND
Ethylbenzene	1	mg/kg	0.0013	ND
Isopropylbenzene	1	mg/kg	0.0013	ND
m&p-Xylenes	1	mg/kg	0.0013	ND
Methylene chloride	1	mg/kg	0.0026	ND
Methyl-t-butyl ether	1	mg/kg	0.0013	ND
n-Butylbenzene	1	mg/kg	0.0013	ND
n-Propylbenzene	1	mg/kg	0.0013	ND
o-Xylene	1	mg/kg	0.0013	ND
sec-Butylbenzene	1	mg/kg	0.0013	ND
Styrene	1	mg/kg	0.0026	ND
t-Butyl Alcohol	1	mg/kg	0.013	ND
t-Butylbenzene	1	mg/kg	0.0013	ND
Tetrachloroethene	1	mg/kg	0.0026	ND
Toluene	1	mg/kg	0.0013	ND
trans-1,2-Dichloroethene	1	mg/kg	0.0026	ND
trans-1,3-Dichloropropene	1	mg/kg	0.0026	ND
Trichloroethene	1	mg/kg	0.0026	ND
Trichlorofluoromethane	1	mg/kg	0.0026	ND
Vinyl chloride	1	mg/kg	0.0026	ND
Xylenes (Total)	1	mg/kg	0.0013	ND

Sample ID: B-2
Lab#: AC62229-002
Matrix: Soil

Collection Date: 10/19/2011
Receipt Date: 10/21/2011

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		92

Mercury (Soil/Waste) 7471A

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.091	0.16

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,2-Diphenylhydrazine	5	mg/kg	0.18	ND
2,4,5-Trichlorophenol	5	mg/kg	0.18	ND
2,4,6-Trichlorophenol	5	mg/kg	0.18	ND
2,4-Dichlorophenol	5	mg/kg	0.045	ND
2,4-Dimethylphenol	5	mg/kg	0.18	ND
2,4-Dinitrophenol	5	mg/kg	0.91	ND
2,4-Dinitrotoluene	5	mg/kg	0.18	ND
2,6-Dinitrotoluene	5	mg/kg	0.18	ND
2-Chloronaphthalene	5	mg/kg	0.18	ND
2-Chlorophenol	5	mg/kg	0.18	ND
2-Methylnaphthalene	**5**	**mg/kg**	**0.18**	**9.2**
2-Methylphenol	5	mg/kg	0.045	ND
2-Nitroaniline	5	mg/kg	0.18	ND
2-Nitrophenol	5	mg/kg	0.18	ND
3&4-Methylphenol	5	mg/kg	0.045	ND
3,3'-Dichlorobenzidine	5	mg/kg	0.18	ND
3-Nitroaniline	5	mg/kg	0.18	ND
4,6-Dinitro-2-methylphenol	5	mg/kg	0.91	ND
4-Bromophenyl-phenylether	5	mg/kg	0.18	ND
4-Chloro-3-methylphenol	5	mg/kg	0.18	ND
4-Chloroaniline	5	mg/kg	0.086	ND
4-Chlorophenyl-phenylether	5	mg/kg	0.18	ND
4-Nitroaniline	5	mg/kg	0.18	ND
4-Nitrophenol	5	mg/kg	0.18	ND
Acenaphthene	5	mg/kg	0.18	ND
Acenaphthylene	5	mg/kg	0.18	ND
Aniline	5	mg/kg	0.074	ND
Anthracene	5	mg/kg	0.18	ND
Benzidine	5	mg/kg	0.18	ND
Benzo[a]anthracene	5	mg/kg	0.18	ND
Benzo[a]pyrene	5	mg/kg	0.18	ND
Benzo[b]fluoranthene	5	mg/kg	0.18	ND
Benzo[g,h,i]perylene	5	mg/kg	0.18	ND
Benzo[k]fluoranthene	5	mg/kg	0.18	ND
Benzoic acid	5	mg/kg	0.91	ND
bis(2-Chloroethoxy)methane	5	mg/kg	0.18	ND
bis(2-Chloroethyl)ether	5	mg/kg	0.045	ND
bis(2-Chloroisopropyl)ether	5	mg/kg	0.18	ND
bis(2-Ethylhexyl)phthalate	5	mg/kg	0.18	ND
Butylbenzylphthalate	5	mg/kg	0.18	ND
Carbazole	5	mg/kg	0.18	ND
Chrysene	5	mg/kg	0.18	ND
Dibenzo[a,h]anthracene	5	mg/kg	0.18	ND
Dibenzofuran	5	mg/kg	0.045	ND
Diethylphthalate	5	mg/kg	0.18	ND
Dimethylphthalate	5	mg/kg	0.18	ND
Di-n-butylphthalate	5	mg/kg	0.091	ND
Di-n-octylphthalate	5	mg/kg	0.18	ND
Fluoranthene	5	mg/kg	0.18	ND
Fluorene	5	mg/kg	0.18	ND
Hexachlorobenzene	5	mg/kg	0.18	ND
Hexachlorobutadiene	5	mg/kg	0.18	ND
Hexachlorocyclopentadiene	5	mg/kg	0.18	ND
Hexachloroethane	5	mg/kg	0.18	ND
Indeno[1,2,3-cd]pyrene	5	mg/kg	0.18	ND
Isophorone	5	mg/kg	0.18	ND
Naphthalene	5	mg/kg	0.045	ND
Nitrobenzene	5	mg/kg	0.18	ND

Sample ID: B-2 **Collection Date: 10/19/2011**
Lab#: AC62229-002 **Receipt Date: 10/21/2011**
Matrix: Soil

N-Nitrosodimethylamine	5	mg/kg	0.18	ND
N-Nitroso-di-n-propylamine	5	mg/kg	0.045	ND
N-Nitrosodiphenylamine	5	mg/kg	0.18	ND
Pentachlorophenol	5	mg/kg	0.91	ND
Phenanthrene	**5**	**mg/kg**	**0.18**	**0.27**
Phenol	5	mg/kg	0.18	ND
Pyrene	5	mg/kg	0.18	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**220**	**7900**
Antimony	1	mg/kg	2.2	ND
Arsenic	1	mg/kg	2.2	ND
Barium	**1**	**mg/kg**	**11**	**87**
Beryllium	1	mg/kg	0.65	ND
Cadmium	1	mg/kg	0.65	ND
Calcium	**1**	**mg/kg**	**1100**	**5200**
Chromium	**1**	**mg/kg**	**5.4**	**25**
Cobalt	**1**	**mg/kg**	**2.7**	**8.1**
Copper	**1**	**mg/kg**	**5.4**	**23**
Iron	**1**	**mg/kg**	**220**	**15000**
Lead	**1**	**mg/kg**	**5.4**	**15**
Magnesium	**1**	**mg/kg**	**540**	**3400**
Manganese	**1**	**mg/kg**	**11**	**520**
Nickel	**1**	**mg/kg**	**5.4**	**15**
Potassium	**1**	**mg/kg**	**540**	**3100**
Selenium	1	mg/kg	2.0	ND
Silver	1	mg/kg	1.6	ND
Sodium	1	mg/kg	270	ND
Thallium	1	mg/kg	1.3	ND
Vanadium	**1**	**mg/kg**	**11**	**26**
Zinc	**1**	**mg/kg**	**11**	**42**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	975	mg/kg	1.1	ND
1,1,2,2-Tetrachloroethane	975	mg/kg	1.1	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	975	mg/kg	1.1	ND
1,1,2-Trichloroethane	975	mg/kg	1.1	ND
1,1-Dichloroethane	975	mg/kg	1.1	ND
1,1-Dichloroethene	975	mg/kg	1.1	ND
1,2,3-Trichloropropane	975	mg/kg	1.1	ND
1,2,4-Trimethylbenzene	975	mg/kg	1.1	ND
1,2-Dichlorobenzene	975	mg/kg	1.1	ND
1,2-Dichloroethane	975	mg/kg	0.53	ND
1,2-Dichloropropane	975	mg/kg	1.1	ND
1,3,5-Trimethylbenzene	975	mg/kg	1.1	ND
1,3-Dichlorobenzene	975	mg/kg	1.1	ND
1,3-Dichloropropane	975	mg/kg	1.1	ND
1,4-Dichlorobenzene	975	mg/kg	1.1	ND
1,4-Dioxane	975	mg/kg	53	ND
2-Butanone	975	mg/kg	1.1	ND
2-Chloroethylvinylether	975	mg/kg	1.1	ND
2-Hexanone	975	mg/kg	1.1	ND
4-Isopropyltoluene	975	mg/kg	1.1	ND
4-Methyl-2-pentanone	975	mg/kg	1.1	ND
Acetone	975	mg/kg	6.2	ND
Acrolein	975	mg/kg	5.3	ND
Acrylonitrile	975	mg/kg	1.2	ND
Benzene	975	mg/kg	0.53	ND
Bromodichloromethane	975	mg/kg	0.64	ND
Bromoform	975	mg/kg	1.1	ND
Bromomethane	975	mg/kg	1.1	ND
Carbon disulfide	975	mg/kg	1.1	ND
Carbon tetrachloride	975	mg/kg	1.1	ND
Chlorobenzene	975	mg/kg	1.1	ND
Chloroethane	975	mg/kg	1.1	ND
Chloroform	975	mg/kg	1.1	ND
Chloromethane	975	mg/kg	1.1	ND

Sample ID: B-2
Lab#: AC62229-002
Matrix: Soil

Collection Date: 10/19/2011
Receipt Date: 10/21/2011

cis-1,2-Dichloroethene	975	mg/kg	1.1	ND
cis-1,3-Dichloropropene	975	mg/kg	1.1	ND
Dibromochloromethane	975	mg/kg	1.1	ND
Dichlorodifluoromethane	975	mg/kg	1.1	ND
Ethylbenzene	975	mg/kg	1.1	ND
Isopropylbenzene	**975**	**mg/kg**	**1.1**	**4.1**
m&p-Xylenes	975	mg/kg	1.1	ND
Methylene chloride	975	mg/kg	1.1	ND
Methyl-t-butyl ether	975	mg/kg	0.53	ND
n-Butylbenzene	**975**	**mg/kg**	**1.1**	**13**
n-Propylbenzene	**975**	**mg/kg**	**1.1**	**13**
o-Xylene	975	mg/kg	1.1	ND
sec-Butylbenzene	**975**	**mg/kg**	**1.1**	**13**
Styrene	975	mg/kg	1.1	ND
t-Butyl Alcohol	975	mg/kg	5.3	ND
t-Butylbenzene	**975**	**mg/kg**	**1.1**	**2.4**
Tetrachloroethene	975	mg/kg	1.1	ND
Toluene	975	mg/kg	1.1	ND
trans-1,2-Dichloroethene	975	mg/kg	1.1	ND
trans-1,3-Dichloropropene	975	mg/kg	1.1	ND
Trichloroethene	975	mg/kg	1.1	ND
Trichlorofluoromethane	975	mg/kg	1.1	ND
Vinyl chloride	975	mg/kg	1.1	ND
Xylenes (Total)	975	mg/kg	1.1	ND

Sample ID: B-3 | **Collection Date: 10/19/2011**
Lab#: AC62229-003 | **Receipt Date: 10/21/2011**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**88**

Mercury (Soil/Waste) 7471A

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.095	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,2-Diphenylhydrazine	1	mg/kg	0.038	ND
2,4,5-Trichlorophenol	1	mg/kg	0.038	ND
2,4,6-Trichlorophenol	1	mg/kg	0.038	ND
2,4-Dichlorophenol	1	mg/kg	0.0095	ND
2,4-Dimethylphenol	**1**	**mg/kg**	**0.038**	**0.44**
2,4-Dinitrophenol	1	mg/kg	0.19	ND
2,4-Dinitrotoluene	1	mg/kg	0.038	ND
2,6-Dinitrotoluene	1	mg/kg	0.038	ND
2-Chloronaphthalene	1	mg/kg	0.038	ND
2-Chlorophenol	1	mg/kg	0.038	ND
2-Methylnaphthalene	**1**	**mg/kg**	**0.038**	**0.68**
2-Methylphenol	1	mg/kg	0.0095	ND
2-Nitroaniline	1	mg/kg	0.038	ND
2-Nitrophenol	1	mg/kg	0.038	ND
3&4-Methylphenol	1	mg/kg	0.0095	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.038	ND
3-Nitroaniline	1	mg/kg	0.038	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.19	ND
4-Bromophenyl-phenylether	1	mg/kg	0.038	ND
4-Chloro-3-methylphenol	1	mg/kg	0.038	ND
4-Chloroaniline	1	mg/kg	0.018	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.038	ND
4-Nitroaniline	1	mg/kg	0.038	ND
4-Nitrophenol	1	mg/kg	0.038	ND
Acenaphthene	1	mg/kg	0.038	ND
Acenaphthylene	1	mg/kg	0.038	ND
Aniline	1	mg/kg	0.015	ND
Anthracene	1	mg/kg	0.038	ND
Benzidine	1	mg/kg	0.038	ND
Benzo[a]anthracene	1	mg/kg	0.038	ND
Benzo[a]pyrene	1	mg/kg	0.038	ND
Benzo[b]fluoranthene	1	mg/kg	0.038	ND
Benzo[g,h,i]perylene	1	mg/kg	0.038	ND
Benzo[k]fluoranthene	1	mg/kg	0.038	ND
Benzoic acid	1	mg/kg	0.19	ND
bis(2-Chloroethoxy)methane	1	mg/kg	0.038	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.0095	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.038	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.038	ND
Butylbenzylphthalate	1	mg/kg	0.038	ND
Carbazole	1	mg/kg	0.038	ND
Chrysene	1	mg/kg	0.038	ND
Dibenzo[a,h]anthracene	1	mg/kg	0.038	ND
Dibenzofuran	1	mg/kg	0.0095	ND
Diethylphthalate	1	mg/kg	0.038	ND
Dimethylphthalate	1	mg/kg	0.038	ND
Di-n-butylphthalate	1	mg/kg	0.019	ND
Di-n-octylphthalate	1	mg/kg	0.038	ND
Fluoranthene	1	mg/kg	0.038	ND
Fluorene	1	mg/kg	0.038	ND
Hexachlorobenzene	1	mg/kg	0.038	ND
Hexachlorobutadiene	1	mg/kg	0.038	ND
Hexachlorocyclopentadiene	1	mg/kg	0.038	ND
Hexachloroethane	1	mg/kg	0.038	ND
Indeno[1,2,3-cd]pyrene	1	mg/kg	0.038	ND
Isophorone	1	mg/kg	0.038	ND
Naphthalene	1	mg/kg	0.0095	ND
Nitrobenzene	1	mg/kg	0.038	ND

Sample ID: B-3 **Collection Date: 10/19/2011**
Lab#: AC62229-003 **Receipt Date: 10/21/2011**
Matrix: Soil

N-Nitrosodimethylamine	1	mg/kg	0.038	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.0095	ND
N-Nitrosodiphenylamine	1	mg/kg	0.038	ND
Pentachlorophenol	1	mg/kg	0.19	ND
Phenanthrene	1	mg/kg	0.038	ND
Phenol	1	mg/kg	0.038	ND
Pyrene	1	mg/kg	0.038	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**230**	**25000**
Antimony	1	mg/kg	2.3	ND
Arsenic	**1**	**mg/kg**	**2.3**	**3.3**
Barium	**1**	**mg/kg**	**11**	**530**
Beryllium	**1**	**mg/kg**	**0.68**	**1.4**
Cadmium	1	mg/kg	0.68	ND
Calcium	**1**	**mg/kg**	**1100**	**6400**
Chromium	**1**	**mg/kg**	**5.7**	**470**
Cobalt	**1**	**mg/kg**	**2.8**	**24**
Copper	**1**	**mg/kg**	**5.7**	**75**
Iron	**1**	**mg/kg**	**230**	**34000**
Lead	**1**	**mg/kg**	**5.7**	**6.4**
Magnesium	**1**	**mg/kg**	**570**	**25000**
Manganese	**1**	**mg/kg**	**11**	**720**
Nickel	**1**	**mg/kg**	**5.7**	**140**
Potassium	**1**	**mg/kg**	**570**	**9500**
Selenium	1	mg/kg	2.0	ND
Silver	1	mg/kg	1.7	ND
Sodium	**1**	**mg/kg**	**280**	**440**
Thallium	1	mg/kg	1.4	ND
Vanadium	**1**	**mg/kg**	**11**	**56**
Zinc	**1**	**mg/kg**	**11**	**75**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	973	mg/kg	1.1	ND
1,1,2,2-Tetrachloroethane	973	mg/kg	1.1	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	973	mg/kg	1.1	ND
1,1,2-Trichloroethane	973	mg/kg	1.1	ND
1,1-Dichloroethane	973	mg/kg	1.1	ND
1,1-Dichloroethene	973	mg/kg	1.1	ND
1,2,3-Trichloropropane	973	mg/kg	1.1	ND
1,2,4-Trimethylbenzene	973	mg/kg	1.1	ND
1,2-Dichlorobenzene	973	mg/kg	1.1	ND
1,2-Dichloroethane	973	mg/kg	0.55	ND
1,2-Dichloropropane	973	mg/kg	1.1	ND
1,3,5-Trimethylbenzene	973	mg/kg	1.1	ND
1,3-Dichlorobenzene	973	mg/kg	1.1	ND
1,3-Dichloropropane	973	mg/kg	1.1	ND
1,4-Dichlorobenzene	973	mg/kg	1.1	ND
1,4-Dioxane	973	mg/kg	55	ND
2-Butanone	973	mg/kg	1.1	ND
2-Chloroethylvinylether	973	mg/kg	1.1	ND
2-Hexanone	973	mg/kg	1.1	ND
4-Isopropyltoluene	973	mg/kg	1.1	ND
4-Methyl-2-pentanone	973	mg/kg	1.1	ND
Acetone	973	mg/kg	6.5	ND
Acrolein	973	mg/kg	5.5	ND
Acrylonitrile	973	mg/kg	1.3	ND
Benzene	973	mg/kg	0.55	ND
Bromodichloromethane	973	mg/kg	0.67	ND
Bromoform	973	mg/kg	1.1	ND
Bromomethane	973	mg/kg	1.1	ND
Carbon disulfide	973	mg/kg	1.1	ND
Carbon tetrachloride	973	mg/kg	1.1	ND
Chlorobenzene	973	mg/kg	1.1	ND
Chloroethane	973	mg/kg	1.1	ND
Chloroform	973	mg/kg	1.1	ND
Chloromethane	973	mg/kg	1.1	ND

Sample ID: B-3 **Collection Date: 10/19/2011**
Lab#: AC62229-003 **Receipt Date: 10/21/2011**
Matrix: Soil

cis-1,2-Dichloroethene	973	mg/kg	1.1	ND
cis-1,3-Dichloropropene	973	mg/kg	1.1	ND
Dibromochloromethane	973	mg/kg	1.1	ND
Dichlorodifluoromethane	973	mg/kg	1.1	ND
Ethylbenzene	973	mg/kg	1.1	ND
Isopropylbenzene	**973**	**mg/kg**	**1.1**	**4.7**
m&p-Xylenes	973	mg/kg	1.1	ND
Methylene chloride	973	mg/kg	1.1	ND
Methyl-t-butyl ether	973	mg/kg	0.55	ND
n-Butylbenzene	**973**	**mg/kg**	**1.1**	**25**
n-Propylbenzene	**973**	**mg/kg**	**1.1**	**13**
o-Xylene	973	mg/kg	1.1	ND
sec-Butylbenzene	**973**	**mg/kg**	**1.1**	**16**
Styrene	973	mg/kg	1.1	ND
t-Butyl Alcohol	973	mg/kg	5.5	ND
t-Butylbenzene	**973**	**mg/kg**	**1.1**	**1.1**
Tetrachloroethene	973	mg/kg	1.1	ND
Toluene	973	mg/kg	1.1	ND
trans-1,2-Dichloroethene	973	mg/kg	1.1	ND
trans-1,3-Dichloropropene	973	mg/kg	1.1	ND
Trichloroethene	973	mg/kg	1.1	ND
Trichlorofluoromethane	973	mg/kg	1.1	ND
Vinyl chloride	973	mg/kg	1.1	ND
Xylenes (Total)	973	mg/kg	1.1	ND

Sample ID: B-4
Lab#: AC62229-004
Matrix: Soil

Collection Date: 10/19/2011
Receipt Date: 10/21/2011

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**92**

Mercury (Soil/Waste) 7471A

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.091	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,2-Diphenylhydrazine	1	mg/kg	0.036	ND
2,4,5-Trichlorophenol	1	mg/kg	0.036	ND
2,4,6-Trichlorophenol	1	mg/kg	0.036	ND
2,4-Dichlorophenol	1	mg/kg	0.0091	ND
2,4-Dimethylphenol	1	mg/kg	0.036	ND
2,4-Dinitrophenol	1	mg/kg	0.18	ND
2,4-Dinitrotoluene	1	mg/kg	0.036	ND
2,6-Dinitrotoluene	1	mg/kg	0.036	ND
2-Chloronaphthalene	1	mg/kg	0.036	ND
2-Chlorophenol	1	mg/kg	0.036	ND
2-Methylnaphthalene	1	mg/kg	0.036	ND
2-Methylphenol	1	mg/kg	0.0091	ND
2-Nitroaniline	1	mg/kg	0.036	ND
2-Nitrophenol	1	mg/kg	0.036	ND
3&4-Methylphenol	1	mg/kg	0.0091	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.036	ND
3-Nitroaniline	1	mg/kg	0.036	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.18	ND
4-Bromophenyl-phenylether	1	mg/kg	0.036	ND
4-Chloro-3-methylphenol	1	mg/kg	0.036	ND
4-Chloroaniline	1	mg/kg	0.017	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.036	ND
4-Nitroaniline	1	mg/kg	0.036	ND
4-Nitrophenol	1	mg/kg	0.036	ND
Acenaphthene	1	mg/kg	0.036	ND
Acenaphthylene	1	mg/kg	0.036	ND
Aniline	1	mg/kg	0.015	ND
Anthracene	**1**	**mg/kg**	**0.036**	**0.041**
Benzidine	1	mg/kg	0.036	ND
Benzo[a]anthracene	**1**	**mg/kg**	**0.036**	**0.14**
Benzo[a]pyrene	**1**	**mg/kg**	**0.036**	**0.12**
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.036**	**0.17**
Benzo[g,h,i]perylene	**1**	**mg/kg**	**0.036**	**0.10**
Benzo[k]fluoranthene	1	mg/kg	0.036	ND
Benzoic acid	1	mg/kg	0.18	ND
bis(2-Chloroethoxy)methane	1	mg/kg	0.036	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.0091	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.036	ND
bis(2-Ethylhexyl)phthalate	**1**	**mg/kg**	**0.036**	**0.056**
Butylbenzylphthalate	1	mg/kg	0.036	ND
Carbazole	1	mg/kg	0.036	ND
Chrysene	**1**	**mg/kg**	**0.036**	**0.15**
Dibenzo[a,h]anthracene	**1**	**mg/kg**	**0.036**	**0.044**
Dibenzofuran	1	mg/kg	0.0091	ND
Diethylphthalate	1	mg/kg	0.036	ND
Dimethylphthalate	1	mg/kg	0.036	ND
Di-n-butylphthalate	**1**	**mg/kg**	**0.018**	**0.019**
Di-n-octylphthalate	1	mg/kg	0.036	ND
Fluoranthene	**1**	**mg/kg**	**0.036**	**0.23**
Fluorene	1	mg/kg	0.036	ND
Hexachlorobenzene	1	mg/kg	0.036	ND
Hexachlorobutadiene	1	mg/kg	0.036	ND
Hexachlorocyclopentadiene	1	mg/kg	0.036	ND
Hexachloroethane	1	mg/kg	0.036	ND
Indeno[1,2,3-cd]pyrene	**1**	**mg/kg**	**0.036**	**0.096**
Isophorone	1	mg/kg	0.036	ND
Naphthalene	**1**	**mg/kg**	**0.0091**	**0.17**
Nitrobenzene	1	mg/kg	0.036	ND

Sample ID: B-4 **Collection Date: 10/19/2011**
Lab#: AC62229-004 **Receipt Date: 10/21/2011**
Matrix: Soil

N-Nitrosodimethylamine	1	mg/kg	0.036	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.0091	ND
N-Nitrosodiphenylamine	1	mg/kg	0.036	ND
Pentachlorophenol	1	mg/kg	0.18	ND
Phenanthrene	**1**	**mg/kg**	**0.036**	**0.14**
Phenol	1	mg/kg	0.036	ND
Pyrene	**1**	**mg/kg**	**0.036**	**0.25**

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**220**	**14000**
Antimony	1	mg/kg	2.2	ND
Arsenic	1	mg/kg	2.2	ND
Barium	**1**	**mg/kg**	**11**	**170**
Beryllium	1	mg/kg	0.65	ND
Cadmium	1	mg/kg	0.65	ND
Calcium	**1**	**mg/kg**	**1100**	**2100**
Chromium	**1**	**mg/kg**	**5.4**	**34**
Cobalt	**1**	**mg/kg**	**2.7**	**13**
Copper	**1**	**mg/kg**	**5.4**	**44**
Iron	**1**	**mg/kg**	**220**	**27000**
Lead	**1**	**mg/kg**	**5.4**	**41**
Magnesium	**1**	**mg/kg**	**540**	**6200**
Manganese	**1**	**mg/kg**	**11**	**760**
Nickel	**1**	**mg/kg**	**5.4**	**24**
Potassium	**1**	**mg/kg**	**540**	**6900**
Selenium	1	mg/kg	2.0	ND
Silver	1	mg/kg	1.6	ND
Sodium	1	mg/kg	270	ND
Thallium	1	mg/kg	1.3	ND
Vanadium	**1**	**mg/kg**	**11**	**42**
Zinc	**1**	**mg/kg**	**11**	**79**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.977	mg/kg	0.0021	ND
1,1,2,2-Tetrachloroethane	0.977	mg/kg	0.0021	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.977	mg/kg	0.0021	ND
1,1,2-Trichloroethane	0.977	mg/kg	0.0021	ND
1,1-Dichloroethane	0.977	mg/kg	0.0021	ND
1,1-Dichloroethene	0.977	mg/kg	0.0021	ND
1,2,3-Trichloropropane	0.977	mg/kg	0.0021	ND
1,2,4-Trimethylbenzene	0.977	mg/kg	0.0011	ND
1,2-Dichlorobenzene	0.977	mg/kg	0.0021	ND
1,2-Dichloroethane	0.977	mg/kg	0.0021	ND
1,2-Dichloropropane	0.977	mg/kg	0.0021	ND
1,3,5-Trimethylbenzene	0.977	mg/kg	0.0011	ND
1,3-Dichlorobenzene	0.977	mg/kg	0.0021	ND
1,3-Dichloropropane	0.977	mg/kg	0.0021	ND
1,4-Dichlorobenzene	0.977	mg/kg	0.0021	ND
1,4-Dioxane	0.977	mg/kg	0.11	ND
2-Butanone	0.977	mg/kg	0.0021	ND
2-Chloroethylvinylether	0.977	mg/kg	0.0021	ND
2-Hexanone	0.977	mg/kg	0.0021	ND
4-Isopropyltoluene	0.977	mg/kg	0.0011	ND
4-Methyl-2-pentanone	0.977	mg/kg	0.0021	ND
Acetone	0.977	mg/kg	0.011	ND
Acrolein	0.977	mg/kg	0.011	ND
Acrylonitrile	0.977	mg/kg	0.0021	ND
Benzene	0.977	mg/kg	0.0011	ND
Bromodichloromethane	0.977	mg/kg	0.0021	ND
Bromoform	0.977	mg/kg	0.0021	ND
Bromomethane	0.977	mg/kg	0.0021	ND
Carbon disulfide	0.977	mg/kg	0.0021	ND
Carbon tetrachloride	0.977	mg/kg	0.0021	ND
Chlorobenzene	0.977	mg/kg	0.0021	ND
Chloroethane	0.977	mg/kg	0.0021	ND
Chloroform	0.977	mg/kg	0.0021	ND
Chloromethane	0.977	mg/kg	0.0021	ND

Sample ID: B-4
Lab#: AC62229-004
Matrix: Soil

Collection Date: 10/19/2011
Receipt Date: 10/21/2011

cis-1,2-Dichloroethene	0.977	mg/kg	0.0021	ND
cis-1,3-Dichloropropene	0.977	mg/kg	0.0021	ND
Dibromochloromethane	0.977	mg/kg	0.0021	ND
Dichlorodifluoromethane	0.977	mg/kg	0.0021	ND
Ethylbenzene	0.977	mg/kg	0.0011	ND
Isopropylbenzene	0.977	mg/kg	0.0011	ND
m&p-Xylenes	0.977	mg/kg	0.0011	ND
Methylene chloride	0.977	mg/kg	0.0021	ND
Methyl-t-butyl ether	0.977	mg/kg	0.0011	ND
n-Butylbenzene	0.977	mg/kg	0.0011	ND
n-Propylbenzene	0.977	mg/kg	0.0011	ND
o-Xylene	0.977	mg/kg	0.0011	ND
sec-Butylbenzene	0.977	mg/kg	0.0011	ND
Styrene	0.977	mg/kg	0.0021	ND
t-Butyl Alcohol	0.977	mg/kg	0.011	ND
t-Butylbenzene	0.977	mg/kg	0.0011	ND
Tetrachloroethene	0.977	mg/kg	0.0021	ND
Toluene	0.977	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.977	mg/kg	0.0021	ND
trans-1,3-Dichloropropene	0.977	mg/kg	0.0021	ND
Trichloroethene	0.977	mg/kg	0.0021	ND
Trichlorofluoromethane	0.977	mg/kg	0.0021	ND
Vinyl chloride	0.977	mg/kg	0.0021	ND
Xylenes (Total)	0.977	mg/kg	0.0011	ND

Sample ID: B-5A | **Collection Date: 10/19/2011**
Lab#: AC62229-005 | **Receipt Date: 10/21/2011**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		91

Mercury (Soil/Waste) 7471A

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.092	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,2-Diphenylhydrazine	1	mg/kg	0.037	ND
2,4,5-Trichlorophenol	1	mg/kg	0.037	ND
2,4,6-Trichlorophenol	1	mg/kg	0.037	ND
2,4-Dichlorophenol	1	mg/kg	0.0092	ND
2,4-Dimethylphenol	1	mg/kg	0.037	ND
2,4-Dinitrophenol	1	mg/kg	0.18	ND
2,4-Dinitrotoluene	1	mg/kg	0.037	ND
2,6-Dinitrotoluene	1	mg/kg	0.037	ND
2-Chloronaphthalene	1	mg/kg	0.037	ND
2-Chlorophenol	1	mg/kg	0.037	ND
2-Methylnaphthalene	1	mg/kg	0.037	ND
2-Methylphenol	1	mg/kg	0.0092	ND
2-Nitroaniline	1	mg/kg	0.037	ND
2-Nitrophenol	1	mg/kg	0.037	ND
3&4-Methylphenol	1	mg/kg	0.0092	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.037	ND
3-Nitroaniline	1	mg/kg	0.037	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.18	ND
4-Bromophenyl-phenylether	1	mg/kg	0.037	ND
4-Chloro-3-methylphenol	1	mg/kg	0.037	ND
4-Chloroaniline	1	mg/kg	0.017	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.037	ND
4-Nitroaniline	1	mg/kg	0.037	ND
4-Nitrophenol	1	mg/kg	0.037	ND
Acenaphthene	1	mg/kg	0.037	ND
Acenaphthylene	1	mg/kg	0.037	ND
Aniline	1	mg/kg	0.015	ND
Anthracene	1	mg/kg	0.037	ND
Benzidine	1	mg/kg	0.037	ND
Benzo[a]anthracene	1	mg/kg	0.037	ND
Benzo[a]pyrene	1	mg/kg	0.037	ND
Benzo[b]fluoranthene	1	mg/kg	0.037	ND
Benzo[g,h,i]perylene	1	mg/kg	0.037	ND
Benzo[k]fluoranthene	1	mg/kg	0.037	ND
Benzoic acid	1	mg/kg	0.18	ND
bis(2-Chloroethoxy)methane	1	mg/kg	0.037	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.0092	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.037	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.037	ND
Butylbenzylphthalate	1	mg/kg	0.037	ND
Carbazole	1	mg/kg	0.037	ND
Chrysene	1	mg/kg	0.037	ND
Dibenzo[a,h]anthracene	1	mg/kg	0.037	ND
Dibenzofuran	1	mg/kg	0.0092	ND
Diethylphthalate	1	mg/kg	0.037	ND
Dimethylphthalate	1	mg/kg	0.037	ND
Di-n-butylphthalate	1	mg/kg	0.018	ND
Di-n-octylphthalate	1	mg/kg	0.037	ND
Fluoranthene	1	mg/kg	0.037	ND
Fluorene	1	mg/kg	0.037	ND
Hexachlorobenzene	1	mg/kg	0.037	ND
Hexachlorobutadiene	1	mg/kg	0.037	ND
Hexachlorocyclopentadiene	1	mg/kg	0.037	ND
Hexachloroethane	1	mg/kg	0.037	ND
Indeno[1,2,3-cd]pyrene	1	mg/kg	0.037	ND
Isophorone	1	mg/kg	0.037	ND
Naphthalene	1	mg/kg	0.0092	ND
Nitrobenzene	1	mg/kg	0.037	ND

Sample ID: B-5A **Collection Date: 10/19/2011**
Lab#: AC62229-005 **Receipt Date: 10/21/2011**
Matrix: Soil

N-Nitrosodimethylamine	1	mg/kg	0.037	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.0092	ND
N-Nitrosodiphenylamine	1	mg/kg	0.037	ND
Pentachlorophenol	1	mg/kg	0.18	ND
Phenanthrene	1	mg/kg	0.037	ND
Phenol	1	mg/kg	0.037	ND
Pyrene	1	mg/kg	0.037	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**220**	**14000**
Antimony	1	mg/kg	2.2	ND
Arsenic	1	mg/kg	2.2	ND
Barium	**1**	**mg/kg**	**11**	**120**
Beryllium	1	mg/kg	0.66	ND
Cadmium	1	mg/kg	0.66	ND
Calcium	**1**	**mg/kg**	**1100**	**1300**
Chromium	**1**	**mg/kg**	**5.5**	**39**
Cobalt	**1**	**mg/kg**	**2.7**	**13**
Copper	**1**	**mg/kg**	**5.5**	**26**
Iron	**1**	**mg/kg**	**220**	**20000**
Lead	1	mg/kg	5.5	ND
Magnesium	**1**	**mg/kg**	**550**	**5000**
Manganese	**1**	**mg/kg**	**11**	**480**
Nickel	**1**	**mg/kg**	**5.5**	**26**
Potassium	**1**	**mg/kg**	**550**	**4700**
Selenium	1	mg/kg	2.0	ND
Silver	1	mg/kg	1.6	ND
Sodium	1	mg/kg	270	ND
Thallium	1	mg/kg	1.3	ND
Vanadium	**1**	**mg/kg**	**11**	**41**
Zinc	**1**	**mg/kg**	**11**	**46**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.998	mg/kg	0.0022	ND
1,1,2,2-Tetrachloroethane	0.998	mg/kg	0.0022	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.998	mg/kg	0.0022	ND
1,1,2-Trichloroethane	0.998	mg/kg	0.0022	ND
1,1-Dichloroethane	0.998	mg/kg	0.0022	ND
1,1-Dichloroethene	0.998	mg/kg	0.0022	ND
1,2,3-Trichloropropane	0.998	mg/kg	0.0022	ND
1,2,4-Trimethylbenzene	0.998	mg/kg	0.0011	ND
1,2-Dichlorobenzene	0.998	mg/kg	0.0022	ND
1,2-Dichloroethane	0.998	mg/kg	0.0022	ND
1,2-Dichloropropane	0.998	mg/kg	0.0022	ND
1,3,5-Trimethylbenzene	0.998	mg/kg	0.0011	ND
1,3-Dichlorobenzene	0.998	mg/kg	0.0022	ND
1,3-Dichloropropane	0.998	mg/kg	0.0022	ND
1,4-Dichlorobenzene	0.998	mg/kg	0.0022	ND
1,4-Dioxane	0.998	mg/kg	0.11	ND
2-Butanone	0.998	mg/kg	0.0022	ND
2-Chloroethylvinylether	0.998	mg/kg	0.0022	ND
2-Hexanone	0.998	mg/kg	0.0022	ND
4-Isopropyltoluene	0.998	mg/kg	0.0011	ND
4-Methyl-2-pentanone	0.998	mg/kg	0.0022	ND
Acetone	**0.998**	**mg/kg**	**0.011**	**0.056**
Acrolein	0.998	mg/kg	0.011	ND
Acrylonitrile	0.998	mg/kg	0.0022	ND
Benzene	0.998	mg/kg	0.0011	ND
Bromodichloromethane	0.998	mg/kg	0.0022	ND
Bromoform	0.998	mg/kg	0.0022	ND
Bromomethane	0.998	mg/kg	0.0022	ND
Carbon disulfide	0.998	mg/kg	0.0022	ND
Carbon tetrachloride	0.998	mg/kg	0.0022	ND
Chlorobenzene	0.998	mg/kg	0.0022	ND
Chloroethane	0.998	mg/kg	0.0022	ND
Chloroform	0.998	mg/kg	0.0022	ND
Chloromethane	0.998	mg/kg	0.0022	ND

Sample ID: B-5A
Lab#: AC62229-005
Matrix: Soil

Collection Date: 10/19/2011
Receipt Date: 10/21/2011

cis-1,2-Dichloroethene	0.998	mg/kg	0.0022	ND
cis-1,3-Dichloropropene	0.998	mg/kg	0.0022	ND
Dibromochloromethane	0.998	mg/kg	0.0022	ND
Dichlorodifluoromethane	0.998	mg/kg	0.0022	ND
Ethylbenzene	0.998	mg/kg	0.0011	ND
Isopropylbenzene	0.998	mg/kg	0.0011	ND
m&p-Xylenes	0.998	mg/kg	0.0011	ND
Methylene chloride	0.998	mg/kg	0.0022	ND
Methyl-t-butyl ether	0.998	mg/kg	0.0011	ND
n-Butylbenzene	0.998	mg/kg	0.0011	ND
n-Propylbenzene	0.998	mg/kg	0.0011	ND
o-Xylene	0.998	mg/kg	0.0011	ND
sec-Butylbenzene	0.998	mg/kg	0.0011	ND
Styrene	0.998	mg/kg	0.0022	ND
t-Butyl Alcohol	0.998	mg/kg	0.011	ND
t-Butylbenzene	0.998	mg/kg	0.0011	ND
Tetrachloroethene	0.998	mg/kg	0.0022	ND
Toluene	0.998	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.998	mg/kg	0.0022	ND
trans-1,3-Dichloropropene	0.998	mg/kg	0.0022	ND
Trichloroethene	0.998	mg/kg	0.0022	ND
Trichlorofluoromethane	0.998	mg/kg	0.0022	ND
Vinyl chloride	0.998	mg/kg	0.0022	ND
Xylenes (Total)	0.998	mg/kg	0.0011	ND

Sample ID: B-5B | **Collection Date: 10/19/2011**
Lab#: AC62229-006 | **Receipt Date: 10/21/2011**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		87

Mercury (Soil/Waste) 7471A

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.096	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,2-Diphenylhydrazine	1	mg/kg	0.038	ND
2,4,5-Trichlorophenol	1	mg/kg	0.038	ND
2,4,6-Trichlorophenol	1	mg/kg	0.038	ND
2,4-Dichlorophenol	1	mg/kg	0.0096	ND
2,4-Dimethylphenol	1	mg/kg	0.038	ND
2,4-Dinitrophenol	1	mg/kg	0.19	ND
2,4-Dinitrotoluene	1	mg/kg	0.038	ND
2,6-Dinitrotoluene	1	mg/kg	0.038	ND
2-Chloronaphthalene	1	mg/kg	0.038	ND
2-Chlorophenol	1	mg/kg	0.038	ND
2-Methylnaphthalene	1	mg/kg	0.038	ND
2-Methylphenol	1	mg/kg	0.0096	ND
2-Nitroaniline	1	mg/kg	0.038	ND
2-Nitrophenol	1	mg/kg	0.038	ND
3&4-Methylphenol	1	mg/kg	0.0096	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.038	ND
3-Nitroaniline	1	mg/kg	0.038	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.19	ND
4-Bromophenyl-phenylether	1	mg/kg	0.038	ND
4-Chloro-3-methylphenol	1	mg/kg	0.038	ND
4-Chloroaniline	1	mg/kg	0.018	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.038	ND
4-Nitroaniline	1	mg/kg	0.038	ND
4-Nitrophenol	1	mg/kg	0.038	ND
Acenaphthene	1	mg/kg	0.038	ND
Acenaphthylene	1	mg/kg	0.038	ND
Aniline	1	mg/kg	0.016	ND
Anthracene	1	mg/kg	0.038	ND
Benzidine	1	mg/kg	0.038	ND
Benzo[a]anthracene	1	mg/kg	0.038	ND
Benzo[a]pyrene	1	mg/kg	0.038	ND
Benzo[b]fluoranthene	1	mg/kg	0.038	ND
Benzo[g,h,i]perylene	1	mg/kg	0.038	ND
Benzo[k]fluoranthene	1	mg/kg	0.038	ND
Benzoic acid	1	mg/kg	0.19	ND
bis(2-Chloroethoxy)methane	1	mg/kg	0.038	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.0096	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.038	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.038	ND
Butylbenzylphthalate	1	mg/kg	0.038	ND
Carbazole	1	mg/kg	0.038	ND
Chrysene	1	mg/kg	0.038	ND
Dibenzo[a,h]anthracene	1	mg/kg	0.038	ND
Dibenzofuran	1	mg/kg	0.0096	ND
Diethylphthalate	1	mg/kg	0.038	ND
Dimethylphthalate	1	mg/kg	0.038	ND
Di-n-butylphthalate	1	mg/kg	0.019	ND
Di-n-octylphthalate	1	mg/kg	0.038	ND
Fluoranthene	1	mg/kg	0.038	ND
Fluorene	1	mg/kg	0.038	ND
Hexachlorobenzene	1	mg/kg	0.038	ND
Hexachlorobutadiene	1	mg/kg	0.038	ND
Hexachlorocyclopentadiene	1	mg/kg	0.038	ND
Hexachloroethane	1	mg/kg	0.038	ND
Indeno[1,2,3-cd]pyrene	1	mg/kg	0.038	ND
Isophorone	1	mg/kg	0.038	ND
Naphthalene	1	mg/kg	0.0096	ND
Nitrobenzene	1	mg/kg	0.038	ND

Sample ID: B-5B **Collection Date: 10/19/2011**
Lab#: AC62229-006 **Receipt Date: 10/21/2011**
Matrix: Soil

N-Nitrosodimethylamine	1	mg/kg	0.038	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.0096	ND
N-Nitrosodiphenylamine	1	mg/kg	0.038	ND
Pentachlorophenol	1	mg/kg	0.19	ND
Phenanthrene	1	mg/kg	0.038	ND
Phenol	1	mg/kg	0.038	ND
Pyrene	1	mg/kg	0.038	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**230**	**11000**
Antimony	1	mg/kg	2.3	ND
Arsenic	1	mg/kg	2.3	ND
Barium	**1**	**mg/kg**	**11**	**150**
Beryllium	1	mg/kg	0.69	ND
Cadmium	1	mg/kg	0.69	ND
Calcium	**1**	**mg/kg**	**1100**	**1900**
Chromium	**1**	**mg/kg**	**5.7**	**48**
Cobalt	**1**	**mg/kg**	**2.9**	**12**
Copper	**1**	**mg/kg**	**5.7**	**29**
Iron	**1**	**mg/kg**	**230**	**19000**
Lead	1	mg/kg	5.7	ND
Magnesium	**1**	**mg/kg**	**570**	**5600**
Manganese	**1**	**mg/kg**	**11**	**220**
Nickel	**1**	**mg/kg**	**5.7**	**26**
Potassium	**1**	**mg/kg**	**570**	**4500**
Selenium	1	mg/kg	2.1	ND
Silver	1	mg/kg	1.7	ND
Sodium	1	mg/kg	290	ND
Thallium	1	mg/kg	1.4	ND
Vanadium	**1**	**mg/kg**	**11**	**38**
Zinc	**1**	**mg/kg**	**11**	**41**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.986	mg/kg	0.0023	ND
1,1,2,2-Tetrachloroethane	0.986	mg/kg	0.0023	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.986	mg/kg	0.0023	ND
1,1,2-Trichloroethane	0.986	mg/kg	0.0023	ND
1,1-Dichloroethane	0.986	mg/kg	0.0023	ND
1,1-Dichloroethene	0.986	mg/kg	0.0023	ND
1,2,3-Trichloropropane	0.986	mg/kg	0.0023	ND
1,2,4-Trimethylbenzene	0.986	mg/kg	0.0011	ND
1,2-Dichlorobenzene	0.986	mg/kg	0.0023	ND
1,2-Dichloroethane	0.986	mg/kg	0.0023	ND
1,2-Dichloropropane	0.986	mg/kg	0.0023	ND
1,3,5-Trimethylbenzene	0.986	mg/kg	0.0011	ND
1,3-Dichlorobenzene	0.986	mg/kg	0.0023	ND
1,3-Dichloropropane	0.986	mg/kg	0.0023	ND
1,4-Dichlorobenzene	0.986	mg/kg	0.0023	ND
1,4-Dioxane	0.986	mg/kg	0.11	ND
2-Butanone	0.986	mg/kg	0.0023	ND
2-Chloroethylvinylether	0.986	mg/kg	0.0023	ND
2-Hexanone	0.986	mg/kg	0.0023	ND
4-Isopropyltoluene	0.986	mg/kg	0.0011	ND
4-Methyl-2-pentanone	0.986	mg/kg	0.0023	ND
Acetone	**0.986**	**mg/kg**	**0.011**	**0.022**
Acrolein	0.986	mg/kg	0.011	ND
Acrylonitrile	0.986	mg/kg	0.0023	ND
Benzene	0.986	mg/kg	0.0011	ND
Bromodichloromethane	0.986	mg/kg	0.0023	ND
Bromoform	0.986	mg/kg	0.0023	ND
Bromomethane	0.986	mg/kg	0.0023	ND
Carbon disulfide	0.986	mg/kg	0.0023	ND
Carbon tetrachloride	0.986	mg/kg	0.0023	ND
Chlorobenzene	0.986	mg/kg	0.0023	ND
Chloroethane	0.986	mg/kg	0.0023	ND
Chloroform	0.986	mg/kg	0.0023	ND
Chloromethane	0.986	mg/kg	0.0023	ND

Sample ID: B-5B
Lab#: AC62229-006
Matrix: Soil

Collection Date: 10/19/2011
Receipt Date: 10/21/2011

cis-1,2-Dichloroethene	0.986	mg/kg	0.0023	ND
cis-1,3-Dichloropropene	0.986	mg/kg	0.0023	ND
Dibromochloromethane	0.986	mg/kg	0.0023	ND
Dichlorodifluoromethane	0.986	mg/kg	0.0023	ND
Ethylbenzene	0.986	mg/kg	0.0011	ND
Isopropylbenzene	0.986	mg/kg	0.0011	ND
m&p-Xylenes	0.986	mg/kg	0.0011	ND
Methylene chloride	0.986	mg/kg	0.0023	ND
Methyl-t-butyl ether	0.986	mg/kg	0.0011	ND
n-Butylbenzene	0.986	mg/kg	0.0011	ND
n-Propylbenzene	0.986	mg/kg	0.0011	ND
o-Xylene	0.986	mg/kg	0.0011	ND
sec-Butylbenzene	0.986	mg/kg	0.0011	ND
Styrene	0.986	mg/kg	0.0023	ND
t-Butyl Alcohol	0.986	mg/kg	0.011	ND
t-Butylbenzene	0.986	mg/kg	0.0011	ND
Tetrachloroethene	0.986	mg/kg	0.0023	ND
Toluene	0.986	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.986	mg/kg	0.0023	ND
trans-1,3-Dichloropropene	0.986	mg/kg	0.0023	ND
Trichloroethene	0.986	mg/kg	0.0023	ND
Trichlorofluoromethane	0.986	mg/kg	0.0023	ND
Vinyl chloride	0.986	mg/kg	0.0023	ND
Xylenes (Total)	0.986	mg/kg	0.0011	ND

Sample ID: TW-1 **Collection Date: 10/19/2011**
Lab#: AC62229-007 **Receipt Date: 10/21/2011**
Matrix: Aqueous

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,2-Diphenylhydrazine	1	ug/l	2.0	ND
2,4,5-Trichlorophenol	1	ug/l	2.0	ND
2,4,6-Trichlorophenol	1	ug/l	2.0	ND
2,4-Dichlorophenol	1	ug/l	2.0	ND
2,4-Dimethylphenol	1	ug/l	2.0	ND
2,4-Dinitrophenol	1	ug/l	10	ND
2,4-Dinitrotoluene	1	ug/l	2.0	ND
2,6-Dinitrotoluene	1	ug/l	2.0	ND
2-Chloronaphthalene	1	ug/l	2.0	ND
2-Chlorophenol	1	ug/l	2.0	ND
2-Methylnaphthalene	1	ug/l	2.0	ND
2-Methylphenol	1	ug/l	0.50	ND
2-Nitroaniline	1	ug/l	2.0	ND
2-Nitrophenol	1	ug/l	2.0	ND
3&4-Methylphenol	1	ug/l	0.50	ND
3,3'-Dichlorobenzidine	1	ug/l	2.0	ND
3-Nitroaniline	1	ug/l	2.0	ND
4,6-Dinitro-2-methylphenol	1	ug/l	10	ND
4-Bromophenyl-phenylether	1	ug/l	2.0	ND
4-Chloro-3-methylphenol	1	ug/l	2.0	ND
4-Chloroaniline	1	ug/l	0.50	ND
4-Chlorophenyl-phenylether	1	ug/l	2.0	ND
4-Nitroaniline	1	ug/l	2.0	ND
4-Nitrophenol	1	ug/l	2.0	ND
Acenaphthene	1	ug/l	2.0	ND
Acenaphthylene	1	ug/l	2.0	ND
Aniline	1	ug/l	2.0	ND
Anthracene	1	ug/l	2.0	ND
Benzidine	1	ug/l	10	ND
Benzo[a]anthracene	**1**	**ug/l**	**2.0**	**2.5**
Benzo[a]pyrene	**1**	**ug/l**	**2.0**	**2.6**
Benzo[b]fluoranthene	**1**	**ug/l**	**2.0**	**4.5**
Benzo[g,h,i]perylene	1	ug/l	2.0	ND
Benzo[k]fluoranthene	1	ug/l	2.0	ND
Benzoic acid	1	ug/l	10	ND
bis(2-Chloroethoxy)methane	1	ug/l	2.0	ND
bis(2-Chloroethyl)ether	1	ug/l	0.50	ND
bis(2-Chloroisopropyl)ether	1	ug/l	2.0	ND
bis(2-Ethylhexyl)phthalate	1	ug/l	2.0	ND
Butylbenzylphthalate	1	ug/l	2.0	ND
Carbazole	1	ug/l	2.0	ND
Chrysene	**1**	**ug/l**	**2.0**	**2.8**
Dibenzo[a,h]anthracene	1	ug/l	2.0	ND
Dibenzofuran	1	ug/l	0.50	ND
Diethylphthalate	1	ug/l	2.0	ND
Dimethylphthalate	1	ug/l	2.0	ND
Di-n-butylphthalate	1	ug/l	0.50	ND
Di-n-octylphthalate	1	ug/l	2.0	ND
Fluoranthene	**1**	**ug/l**	**2.0**	**4.7**
Fluorene	1	ug/l	2.0	ND
Hexachlorobenzene	1	ug/l	2.0	ND
Hexachlorobutadiene	1	ug/l	2.0	ND
Hexachlorocyclopentadiene	1	ug/l	2.0	ND
Hexachloroethane	1	ug/l	2.0	ND
Indeno[1,2,3-cd]pyrene	1	ug/l	2.0	ND
Isophorone	1	ug/l	2.0	ND
Naphthalene	1	ug/l	0.50	ND
Nitrobenzene	1	ug/l	2.0	ND
N-Nitrosodimethylamine	1	ug/l	2.0	ND
N-Nitroso-di-n-propylamine	1	ug/l	0.50	ND
N-Nitrosodiphenylamine	1	ug/l	2.0	ND
Pentachlorophenol	1	ug/l	10	ND
Phenanthrene	1	ug/l	2.0	ND
Phenol	1	ug/l	2.0	ND
Pyrene	**1**	**ug/l**	**2.0**	**4.6**

Sample ID: TW-1
Lab#: AC62229-007
Matrix: Aqueous

Collection Date: 10/19/2011
Receipt Date: 10/21/2011

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichloropropane	1	ug/l	1.0	ND
1,2,4-Trimethylbenzene	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3,5-Trimethylbenzene	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,3-Dichloropropane	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Chloroethylvinylether	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Isopropyltoluene	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.9	ND
Acrolein	1	ug/l	5.0	ND
Acrylonitrile	1	ug/l	1.1	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	0.61	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	**1**	**ug/l**	**1.0**	**110**
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
n-Butylbenzene	1	ug/l	1.0	ND
n-Propylbenzene	1	ug/l	1.0	ND
o-Xylene	1	ug/l	1.0	ND
sec-Butylbenzene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
t-Butyl Alcohol	1	ug/l	5.0	ND
t-Butylbenzene	1	ug/l	1.0	ND
Tetrachloroethene	**1**	**ug/l**	**1.0**	**110**
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	**1**	**ug/l**	**1.0**	**5.0**
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	**1**	**ug/l**	**1.0**	**290**
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: TW-2 **Collection Date: 10/19/2011**
Lab#: AC62229-008 **Receipt Date: 10/21/2011**
Matrix: Aqueous

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,2-Diphenylhydrazine	1	ug/l	2.0	ND
2,4,5-Trichlorophenol	1	ug/l	2.0	ND
2,4,6-Trichlorophenol	1	ug/l	2.0	ND
2,4-Dichlorophenol	1	ug/l	2.0	ND
2,4-Dimethylphenol	**1**	**ug/l**	**2.0**	**3.3**
2,4-Dinitrophenol	1	ug/l	10	ND
2,4-Dinitrotoluene	1	ug/l	2.0	ND
2,6-Dinitrotoluene	1	ug/l	2.0	ND
2-Chloronaphthalene	1	ug/l	2.0	ND
2-Chlorophenol	1	ug/l	2.0	ND
2-Methylnaphthalene	1	ug/l	2.0	ND
2-Methylphenol	1	ug/l	0.50	ND
2-Nitroaniline	1	ug/l	2.0	ND
2-Nitrophenol	1	ug/l	2.0	ND
3&4-Methylphenol	1	ug/l	0.50	ND
3,3'-Dichlorobenzidine	1	ug/l	2.0	ND
3-Nitroaniline	1	ug/l	2.0	ND
4,6-Dinitro-2-methylphenol	1	ug/l	10	ND
4-Bromophenyl-phenylether	1	ug/l	2.0	ND
4-Chloro-3-methylphenol	1	ug/l	2.0	ND
4-Chloroaniline	1	ug/l	0.50	ND
4-Chlorophenyl-phenylether	1	ug/l	2.0	ND
4-Nitroaniline	1	ug/l	2.0	ND
4-Nitrophenol	1	ug/l	2.0	ND
Acenaphthene	1	ug/l	2.0	ND
Acenaphthylene	1	ug/l	2.0	ND
Aniline	1	ug/l	2.0	ND
Anthracene	1	ug/l	2.0	ND
Benzidine	1	ug/l	10	ND
Benzo[a]anthracene	1	ug/l	2.0	ND
Benzo[a]pyrene	1	ug/l	2.0	ND
Benzo[b]fluoranthene	1	ug/l	2.0	ND
Benzo[g,h,i]perylene	1	ug/l	2.0	ND
Benzo[k]fluoranthene	1	ug/l	2.0	ND
Benzoic acid	1	ug/l	10	ND
bis(2-Chloroethoxy)methane	1	ug/l	2.0	ND
bis(2-Chloroethyl)ether	1	ug/l	0.50	ND
bis(2-Chloroisopropyl)ether	1	ug/l	2.0	ND
bis(2-Ethylhexyl)phthalate	**1**	**ug/l**	**2.0**	**3.0**
Butylbenzylphthalate	1	ug/l	2.0	ND
Carbazole	1	ug/l	2.0	ND
Chrysene	1	ug/l	2.0	ND
Dibenzo[a,h]anthracene	1	ug/l	2.0	ND
Dibenzofuran	1	ug/l	0.50	ND
Diethylphthalate	1	ug/l	2.0	ND
Dimethylphthalate	1	ug/l	2.0	ND
Di-n-butylphthalate	1	ug/l	0.50	ND
Di-n-octylphthalate	1	ug/l	2.0	ND
Fluoranthene	1	ug/l	2.0	ND
Fluorene	1	ug/l	2.0	ND
Hexachlorobenzene	1	ug/l	2.0	ND
Hexachlorobutadiene	1	ug/l	2.0	ND
Hexachlorocyclopentadiene	1	ug/l	2.0	ND
Hexachloroethane	1	ug/l	2.0	ND
Indeno[1,2,3-cd]pyrene	1	ug/l	2.0	ND
Isophorone	1	ug/l	2.0	ND
Naphthalene	**1**	**ug/l**	**0.50**	**6.6**
Nitrobenzene	1	ug/l	2.0	ND
N-Nitrosodimethylamine	1	ug/l	2.0	ND
N-Nitroso-di-n-propylamine	1	ug/l	0.50	ND
N-Nitrosodiphenylamine	1	ug/l	2.0	ND
Pentachlorophenol	1	ug/l	10	ND
Phenanthrene	1	ug/l	2.0	ND
Phenol	1	ug/l	2.0	ND
Pyrene	1	ug/l	2.0	ND

Sample ID: TW-2
Lab#: AC62229-008
Matrix: Aqueous

Collection Date: 10/19/2011
Receipt Date: 10/21/2011

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichloropropane	1	ug/l	1.0	ND
1,2,4-Trimethylbenzene	**1**	**ug/l**	**1.0**	**27**
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3,5-Trimethylbenzene	**1**	**ug/l**	**1.0**	**24**
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,3-Dichloropropane	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Chloroethylvinylether	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Isopropyltoluene	**1**	**ug/l**	**1.0**	**5.3**
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.9	ND
Acrolein	1	ug/l	5.0	ND
Acrylonitrile	1	ug/l	1.1	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	0.61	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	**1**	**ug/l**	**1.0**	**4.2**
m&p-Xylenes	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
n-Butylbenzene	**1**	**ug/l**	**1.0**	**1.9**
n-Propylbenzene	**1**	**ug/l**	**1.0**	**1.8**
o-Xylene	1	ug/l	1.0	ND
sec-Butylbenzene	**1**	**ug/l**	**1.0**	**19**
Styrene	1	ug/l	1.0	ND
t-Butyl Alcohol	1	ug/l	5.0	ND
t-Butylbenzene	**1**	**ug/l**	**1.0**	**4.7**
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

HCV Reporting Limit Definitions/Data Qualifiers

REPORTING DEFINITIONS

DF = Dilution Factor

MDL = Method Detection Limit

RL* = Reporting Limit

ND = Not Detected

RT = Retention Time

NA = Not Applicable

**Samples with elevated Reporting Limits (RLs) as a result of a dilution may not achieve client reporting limits in some cases. The elevated RLs are unavoidable consequences of sample dilution required to quantitate target analytes that exceed the calibration range of the instrument.*

DATA QUALIFIERS

B- Indicates analyte was present in the Method Blank and sample.

d- For Pesticide and PCB analysis, the concentration between primary and secondary columns is greater than 40%. The lower concentration is generally reported.

E- Indicates the concentration exceeded the upper calibration range of the instrument.

J- Indicates the value is estimated because it is either a Tentatively Identified Compound (TIC) or the reported concentration is greater than the MDL but less than the RL. For samples results between the MDL and RL there is a possibility of false positives or misidentification at the quantitation levels. Additionally, the acceptance criteria for QC samples may not be met.

Laboratory Chronicle

Client: Whitestone Associates

HCV Project #: 1102107

Project: EJ1111829.000

Lab#: AC62229-001 **Sample ID: B-1**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	10/24/11 00:00	simon
Mercury (Soil/Waste) 7471A	EPA 7471A	10/25/11	julijana	EPA 7471A	10/25/11 13:57	OA
Semivolatile Organics (no search) 8270	3510C/3550B	10/24/11	abdul	EPA 8270C	10/25/11 15:58	AHD
TAL Metals 6010	3005&10/3050	10/24/11	julijana	EPA 6010B	10/25/11 13:05	GK
TAL Metals 6010	3005&10/3050	10/24/11	julijana	EPA 6010B	10/25/11 18:40	GK
TAL Metals 6010	3005&10/3050	10/24/11	julijana	EPA 6010B	10/27/11 19:10	GK
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	10/24/11 12:20	WP

Lab#: AC62229-002 **Sample ID: B-2**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	10/24/11 00:00	simon
Mercury (Soil/Waste) 7471A	EPA 7471A	10/25/11	julijana	EPA 7471A	10/25/11 13:58	OA
Semivolatile Organics (no search) 8270	3510C/3550B	10/27/11	hj	EPA 8270C	10/26/11 17:34	AHD
TAL Metals 6010	3005&10/3050	10/24/11	julijana	EPA 6010B	10/25/11 13:10	GK
TAL Metals 6010	3005&10/3050	10/24/11	julijana	EPA 6010B	10/25/11 18:44	GK
TAL Metals 6010	3005&10/3050	10/24/11	julijana	EPA 6010B	10/27/11 19:15	GK
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	10/24/11 19:42	WP

Lab#: AC62229-003 **Sample ID: B-3**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	10/24/11 00:00	simon
Mercury (Soil/Waste) 7471A	EPA 7471A	10/25/11	julijana	EPA 7471A	10/25/11 14:00	OA
Semivolatile Organics (no search) 8270	3510C/3550B	10/24/11	abdul	EPA 8270C	10/25/11 10:12	AHD
TAL Metals 6010	3005&10/3050	10/24/11	julijana	EPA 6010B	10/25/11 13:13	GK
TAL Metals 6010	3005&10/3050	10/24/11	julijana	EPA 6010B	10/25/11 16:37	GK
TAL Metals 6010	3005&10/3050	10/24/11	julijana	EPA 6010B	10/25/11 18:46	GK
TAL Metals 6010	3005&10/3050	10/24/11	julijana	EPA 6010B	10/27/11 19:18	GK
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	10/24/11 20:16	WP

Laboratory Chronicle

Client: Whitestone Associates **HCV Project #:** 1102107

Project: EJ1111829.000

Lab#: AC62229-004 **Sample ID: B-4**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	10/24/11 00:00	simon
Mercury (Soil/Waste) 7471A	EPA 7471A	10/25/11	julijana	EPA 7471A	10/25/11 14:01	OA
Semivolatile Organics (no search) 8270	3510C/3550B	10/24/11	abdul	EPA 8270C	10/25/11 18:36	AHD
TAL Metals 6010	3005&10/3050	10/24/11	julijana	EPA 6010B	10/25/11 13:18	GK
TAL Metals 6010	3005&10/3050	10/24/11	julijana	EPA 6010B	10/25/11 18:50	GK
TAL Metals 6010	3005&10/3050	10/24/11	julijana	EPA 6010B	10/27/11 19:23	GK
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	10/24/11 12:36	WP

Lab#: AC62229-005 **Sample ID: B-5A**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	10/24/11 00:00	simon
Mercury (Soil/Waste) 7471A	EPA 7471A	10/25/11	julijana	EPA 7471A	10/25/11 14:02	OA
Semivolatile Organics (no search) 8270	3510C/3550B	10/24/11	abdul	EPA 8270C	10/25/11 10:34	AHD
TAL Metals 6010	3005&10/3050	10/24/11	julijana	EPA 6010B	10/27/11 19:27	GK
TAL Metals 6010	3005&10/3050	10/24/11	julijana	EPA 6010B	10/25/11 13:22	GK
TAL Metals 6010	3005&10/3050	10/24/11	julijana	EPA 6010B	10/25/11 18:54	GK
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	10/24/11 12:53	WP

Lab#: AC62229-006 **Sample ID: B-5B**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	10/24/11 00:00	simon
Mercury (Soil/Waste) 7471A	EPA 7471A	10/25/11	julijana	EPA 7471A	10/25/11 14:04	OA
Semivolatile Organics (no search) 8270	3510C/3550B	10/24/11	abdul	EPA 8270C	10/25/11 10:56	AHD
TAL Metals 6010	3005&10/3050	10/24/11	julijana	EPA 6010B	10/25/11 13:26	GK
TAL Metals 6010	3005&10/3050	10/24/11	julijana	EPA 6010B	10/25/11 18:56	GK
TAL Metals 6010	3005&10/3050	10/24/11	julijana	EPA 6010B	10/27/11 19:38	GK
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	10/24/11 16:21	WP

Lab#: AC62229-007 **Sample ID: TW-1**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Semivolatile Organics (no search) 8270	3510C/3550B	10/26/11	ABDUL	EPA 8270C	10/27/11 13:12	AHD
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	10/26/11 14:49	WP

Laboratory Chronicle

Client: Whitestone Associates

HCV Project #: 1102107

Project: EJ1111829.000

Lab#: AC62229-008 **Sample ID: TW-2**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Semivolatile Organics (no search) 8270	3510C/3550B	10/26/11	ABDUL	EPA 8270C	10/27/11 13:34	AHD
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	10/27/11 10:08	WP

Chain of Custody

0035

Veritech/Division of Hampton-Clarke
175 Route 46 West, Fairfield, New Jersey 07004
2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1458

HC-V HamptonClarke·Veritech

CHAIN OF CUSTODY RECORD

Project # (Lab Use Only): 1102107

Page 1 of 1

NELAC/NJ #07071 & 07069 | CT #PH-0671 | NY #11408 & 11939 | PA #68-00463 & 68-04409 | WV #353 | KY #90124

Customer Information

1a) Customer: Whitestone Assoc.
Address: 35 Technology Drive, Warren, NJ 07054
1b) Email/Cell/Fax/Ph: pbeesley@whitestoneassoc.com
1c) Send Invoice to: Whitestone
1d) Send Report to: Whitestone

Project Information

2a) Project: Stillwell ET1111829.0000
2b) Project Mgr: C. Seib
2c) Project Location (City/State): Bronx, NY
2d) Quote/PO # (If Applicable): —

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Deliv.
24 Hours (100%)	Data Summary	Hazsite/CSV
48 Hours (75%)	Waste	EQuIS 4-File
72 Hours (50%)	Red - NJ (NY) PA	EQuIS EZ
4 Days (35%; TPH)	CLP	Excel - NJCC
(1 Week (25%; EPH))	Full / Category B	(Excel - NY) AGM SCDs
10 Days (10%)	Category A	Excel - PA Act 2
2 Weeks	Other:	PDF
Other:		Other:

Expedited TAT Not Always Available (Please Check with Lab)!

FOR LAB USE ONLY

Batch # AC62229

Check If Contingent ===>

Matrix Codes
DW - Drinking Water, GW - Ground Water, WW - Waste Water, S - Soil, SL - Sludge, OL - Oil, A - Air, OT - Other

7) Analysis Request

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Composite (C)	Grab (G)	VOC	SVOC	TAL Metals						EPH Cat 1	EPH Cat 2 Screen/Total	EPH Cat 2 Fractionation	8) # of Bottles None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9a) Methanol Bottle Numbers (If Applicable) / 9b) Comments
-001	B-1	S	10/19/11	9:30		X	X	X	X									2								
-002	B-2	S	10/19/11	10:50		X	X	X	X									2								
-003	B-3	S	10/19/11	11:25		X	X	X	X									2								
-004	B-4	S	10/19/11	12:30		X	X	X	X									2								
-005	B-5A	S	10/19/11	13:50		X	X	X	X									2								
-006	B-5B	S	10/19/11	13:50		X	X	X	X									2								
-007	TW-1	GW	10/19/11	10:00		X	X	X										1				3				
-008	TW-2	GW	10/19/11	15:15		X	X	X										1				3				

10) Relinquished by:	Accepted by:	Date	Time
Patrick Beesley	[signature]	10/21/11	1015
[signature]	[signature]	10/21/11	1125

Comments, Notes, Special Requirements, HAZARDS

Note: Check if low-level groundwater methods required to meet current standards in NJ or PA:
- [ ] BN or BNA (8270C SIM)
- [ ] VOC (8260B SIM or 8011)
- [ ] Metals (ICP-MS 200.8 or 6020)

Note: Check if applicable:
- [ ] Project-Specific Reporting Limits
- [ ] High Contaminant Concentrations

Cooler Temperature: 2.1°C

11) Sampler (print name): Patrick Beesley Date: 10/21/11

Please circle required parameter list (refer to HC-V summary): i) NJ 2008 SRS; ii) Current TCL; iii) HC-V 2010 Merged; iv) PA; v) NY; vi) Project-Specific

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.

CONDITION UPON RECEIPT

Batch Number AC62229

Entered By: children
Date Entered 10/21/2011 12:26:00 PM

1	Yes	Is there a corresponding COC included with the samples?
2	Yes	Are the samples in a container such as a cooler or Ice chest?
3	Yes	Are the COC seals intact?
4	Yes	Please specify the Temperature inside the container (in degC) 2.1
5	Yes	Are the samples refrigerated (where required)/have they arrived on ice?
6	Yes	Are the samples within the holding times for the parameters listed on the COC? IF no, list parameters and samples:
7	Yes	Are all of the sample bottles intact? If no, specify sample numbers broken/leaking
8	Yes	Are all of the sample labels or numbers legible? If no specify:
9	Yes	Do the contents match the COC? If no, specify
10	NO	Is there enough sample sent for the analyses listed on the COC? If no, specify: TW-1,TW-2 (SVOC) limited volume
11	Yes	Are samples preserved correctly?
12	Yes	Was temperature blank present (Place comment below if not)? If not was temperature of samples verified?
13	NA	Other comments ...Specify
14	NA	Corrective actions (Specify item number and corrective action taken).

PRESERVATION DOCUMENT

Batch Number AC62229

Entered By: children
Date Entered 10/21/2011 12:27:00 PM

Lab#:	Container Siz	Container Typ	Paramete	Preservative	PH
AC62229-001	NA	NA	NA	NA	NA
AC62229-002	NA	NA	NA	NA	NA
AC62229-003	NA	NA	NA	NA	NA
AC62229-004	NA	NA	NA	NA	NA
AC62229-005	NA	NA	NA	NA	NA
AC62229-006	NA	NA	NA	NA	NA
AC62229-007	40ml	g	VO+10	HCL	1
AC62229-008	40ml	g	VO+10	HCL	1

Internal Chain of Custody

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis
AC62229-001	10/21/11 11:25	CHILD	0	M	Received
AC62229-001	10/21/11 12:26	CHILD	0	M	Login
AC62229-001	10/24/11 08:56	R30	1	A	NONE
AC62229-001	10/24/11 11:31	SG	1	A	VOA
AC62229-001	10/24/11 11:48	R30	1	A	NONE
AC62229-001	10/21/11 13:27	R12	2	A	NONE
AC62229-001	10/21/11 22:50	PA	2	A	mixing
AC62229-001	10/21/11 22:51	R12	2	A	NONE
AC62229-001	10/24/11 07:43	SDL	2	A	% SOLIDS
AC62229-001	10/24/11 10:28	JU	2	A	tdsi-hg
AC62229-001	10/24/11 12:14	ABM	2	A	BNA-SOIL
AC62229-001	10/24/11 17:59	R12	2	A	NONE
AC62229-001	10/25/11 10:39	JU	2	A	tdsi-hg
AC62229-001	10/25/11 12:11	JU	2	A	r12
AC62229-002	10/21/11 11:25	CHILD	0	M	Received
AC62229-002	10/21/11 12:26	CHILD	0	M	Login
AC62229-002	10/24/11 08:56	R30	1	A	NONE
AC62229-002	10/24/11 11:31	SG	1	A	VOA
AC62229-002	10/24/11 11:48	R30	1	A	NONE
AC62229-002	10/24/11 15:51	SG	1	A	VOA
AC62229-002	10/24/11 15:59	R30	1	A	NONE
AC62229-002	10/21/11 13:27	R12	2	A	NONE
AC62229-002	10/21/11 22:50	PA	2	A	mixing
AC62229-002	10/21/11 22:51	R12	2	A	NONE
AC62229-002	10/24/11 07:43	SDL	2	A	% SOLIDS
AC62229-002	10/24/11 10:28	JU	2	A	tdsi-hg
AC62229-002	10/24/11 12:14	ABM	2	A	BNA-SOIL
AC62229-002	10/24/11 17:59	R12	2	A	NONE
AC62229-002	10/25/11 10:39	JU	2	A	tdsi-hg
AC62229-002	10/25/11 12:11	JU	2	A	r12
AC62229-002	10/27/11 09:32	HJ	2	A	s-bn
AC62229-002	10/27/11 16:51	R12	2	A	NONE
AC62229-002	10/24/11 15:59	R30	4	A	NONE
AC62229-003	10/21/11 11:25	CHILD	0	M	Received
AC62229-003	10/21/11 12:26	CHILD	0	M	Login
AC62229-003	10/24/11 08:56	R30	1	A	NONE
AC62229-003	10/24/11 11:31	SG	1	A	VOA
AC62229-003	10/24/11 11:48	R30	1	A	NONE
AC62229-003	10/24/11 15:51	SG	1	A	VOA
AC62229-003	10/24/11 15:59	R30	1	A	NONE
AC62229-003	10/21/11 13:27	R12	2	A	NONE
AC62229-003	10/21/11 22:50	PA	2	A	mixing
AC62229-003	10/21/11 22:51	R12	2	A	NONE
AC62229-003	10/24/11 07:43	SDL	2	A	% SOLIDS
AC62229-003	10/24/11 10:28	JU	2	A	tdsi-hg
AC62229-003	10/24/11 12:14	ABM	2	A	BNA-SOIL
AC62229-003	10/24/11 17:59	R12	2	A	NONE
AC62229-003	10/25/11 10:39	JU	2	A	tdsi-hg
AC62229-003	10/25/11 12:11	JU	2	A	r12
AC62229-003	10/24/11 15:59	R30	4	A	NONE
AC62229-004	10/21/11 11:25	CHILD	0	M	Received
AC62229-004	10/21/11 12:26	CHILD	0	M	Login
AC62229-004	10/24/11 08:56	R30	1	A	NONE
AC62229-004	10/24/11 11:31	SG	1	A	VOA
AC62229-004	10/24/11 11:48	R30	1	A	NONE
AC62229-004	10/21/11 13:27	R12	2	A	NONE
AC62229-004	10/21/11 22:50	PA	2	A	mixing
AC62229-004	10/21/11 22:51	R12	2	A	NONE
AC62229-004	10/24/11 07:43	SDL	2	A	% SOLIDS
AC62229-004	10/24/11 10:28	JU	2	A	tdsi-hg
AC62229-004	10/24/11 12:14	ABM	2	A	BNA-SOIL
AC62229-004	10/24/11 17:59	R12	2	A	NONE
AC62229-004	10/25/11 10:39	JU	2	A	tdsi-hg
AC62229-004	10/25/11 12:11	JU	2	A	r12
AC62229-005	10/21/11 11:25	CHILD	0	M	Received
AC62229-005	10/21/11 12:26	CHILD	0	M	Login
AC62229-005	10/24/11 08:56	R30	1	A	NONE
AC62229-005	10/24/11 11:31	SG	1	A	VOA
AC62229-005	10/24/11 11:48	R30	1	A	NONE
AC62229-005	10/21/11 13:27	R12	2	A	NONE
AC62229-005	10/21/11 22:50	PA	2	A	mixing
AC62229-005	10/21/11 22:51	R12	2	A	NONE
AC62229-005	10/24/11 07:43	SDL	2	A	% SOLIDS
AC62229-005	10/24/11 10:28	JU	2	A	tdsi-hg
AC62229-005	10/24/11 12:14	ABM	2	A	BNA-SOIL

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis
AC62229-005	10/24/11 17:59	R12	2	A	NONE
AC62229-005	10/25/11 10:39	JU	2	A	tdsi-hg
AC62229-005	10/25/11 12:11	JU	2	A	r12
AC62229-006	10/21/11 11:25	CHILD	0	M	Received
AC62229-006	10/21/11 12:26	CHILD	0	M	Login
AC62229-006	10/24/11 08:56	R30	1	A	NONE
AC62229-006	10/24/11 11:31	SG	1	A	VOA
AC62229-006	10/24/11 11:48	R30	1	A	NONE
AC62229-006	10/24/11 15:51	SG	1	A	VOA
AC62229-006	10/24/11 15:59	R30	1	A	NONE
AC62229-006	10/21/11 13:27	R12	2	A	NONE
AC62229-006	10/21/11 22:50	PA	2	A	mixing
AC62229-006	10/21/11 22:51	R12	2	A	NONE
AC62229-006	10/24/11 07:43	SDL	2	A	% SOLIDS
AC62229-006	10/24/11 10:28	JU	2	A	tdsi-hg
AC62229-006	10/24/11 12:14	ABM	2	A	BNA-SOIL
AC62229-006	10/24/11 17:59	R12	2	A	NONE
AC62229-006	10/25/11 10:39	JU	2	A	tdsi-hg
AC62229-006	10/25/11 12:11	JU	2	A	r12
AC62229-007	10/21/11 11:25	CHILD	0	M	Received
AC62229-007	10/21/11 12:26	CHILD	0	M	Login
AC62229-007	10/24/11 09:02	R22	1	A	NONE
AC62229-007	10/24/11 09:02	R22	2	A	NONE
AC62229-007	10/26/11 11:58	WP	2	A	VOA
AC62229-007	10/24/11 09:02	R22	3	A	NONE
AC62229-007	10/25/11 13:36	WP	3	A	VOA
AC62229-007	10/21/11 13:27	R12	4	A	NONE
AC62229-007	10/26/11 12:13	ABM	4	A	BNA-AQ
AC62229-007	10/26/11 16:15	R12	4	A	NONE
AC62229-008	10/21/11 11:25	CHILD	0	M	Received
AC62229-008	10/21/11 12:26	CHILD	0	M	Login
AC62229-008	10/24/11 09:02	R22	1	A	NONE
AC62229-008	10/24/11 09:02	R22	2	A	NONE
AC62229-008	10/26/11 11:58	WP	2	A	VOA
AC62229-008	10/26/11 15:07	R22	2	A	NONE
AC62229-008	10/27/11 09:51	WP	2	A	voa
AC62229-008	10/24/11 09:02	R22	3	A	NONE
AC62229-008	10/25/11 13:36	WP	3	A	VOA
AC62229-008	10/21/11 13:27	R12	4	A	NONE
AC62229-008	10/26/11 12:13	ABM	4	A	BNA-AQ
AC62229-008	10/26/11 16:15	R12	4	A	NONE

Samples marked as received are stored in coolers or refrigerator R12, or R24 at 4 deg C until Login

Volatile Data

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC62229-001
Client Id: B-1
Data File: 1M74886.D
Analysis Date: 10/24/11 12:20
Date Rec/Extracted: 10/21/11-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5g
Final Vol: NA
Dilution: 1.00
Solids: 77

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0026	U	56-23-5	Carbon Tetrachloride	0.0026	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0026	U	108-90-7	Chlorobenzene	0.0026	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0026	U	75-00-3	Chloroethane	0.0026	U
79-00-5	1,1,2-Trichloroethane	0.0026	U	67-66-3	Chloroform	0.0026	U
75-34-3	1,1-Dichloroethane	0.0026	U	74-87-3	Chloromethane	0.0026	U
75-35-4	1,1-Dichloroethene	0.0026	U	156-59-2	cis-1,2-Dichloroethene	0.0026	U
96-18-4	1,2,3-Trichloropropane	0.0026	U	10061-01-5	cis-1,3-Dichloropropene	0.0026	U
95-63-6	1,2,4-Trimethylbenzene	0.0013	U	124-48-1	Dibromochloromethane	0.0026	U
95-50-1	1,2-Dichlorobenzene	0.0026	U	75-71-8	Dichlorodifluoromethane	0.0026	U
107-06-2	1,2-Dichloroethane	0.0026	U	100-41-4	Ethylbenzene	0.0013	U
78-87-5	1,2-Dichloropropane	0.0026	U	98-82-8	Isopropylbenzene	0.0013	U
108-67-8	1,3,5-Trimethylbenzene	0.0013	U	136777612	m&p-Xylenes	0.0013	U
541-73-1	1,3-Dichlorobenzene	0.0026	U	75-09-2	Methylene Chloride	0.0026	U
142-28-9	1,3-Dichloropropane	0.0026	U	1634-04-4	Methyl-t-butyl ether	0.0013	U
106-46-7	1,4-Dichlorobenzene	0.0026	U	104-51-8	n-Butylbenzene	0.0013	U
123-91-1	1,4-Dioxane	0.13	U	103-65-1	n-Propylbenzene	0.0013	U
78-93-3	2-Butanone	0.0026	U	95-47-6	o-Xylene	0.0013	U
110-75-8	2-Chloroethylvinylether	0.0026	U	135-98-8	sec-Butylbenzene	0.0013	U
591-78-6	2-Hexanone	0.0026	U	100-42-5	Styrene	0.0026	U
99-87-6	4-Isopropyltoluene	0.0013	U	75-65-0	t-Butyl Alcohol	0.013	U
108-10-1	4-Methyl-2-Pentanone	0.0026	U	98-06-6	t-Butylbenzene	0.0013	U
67-64-1	Acetone	0.013	U	127-18-4	Tetrachloroethene	0.0026	U
107-02-8	Acrolein	0.013	U	108-88-3	Toluene	0.0013	U
107-13-1	Acrylonitrile	0.0026	U	156-60-5	trans-1,2-Dichloroethene	0.0026	U
71-43-2	Benzene	0.0013	U	10061-02-6	trans-1,3-Dichloropropene	0.0026	U
75-27-4	Bromodichloromethane	0.0026	U	79-01-6	Trichloroethene	0.0026	U
75-25-2	Bromoform	0.0026	U	75-69-4	Trichlorofluoromethane	0.0026	U
74-83-9	Bromomethane	0.0026	U	75-01-4	Vinyl Chloride	0.0026	U
75-15-0	Carbon Disulfide	0.0026	U	1330-20-7	Xylenes (Total)	0.0013	U

Worksheet #: 208057

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

Quantitation Report (QT Reviewed)

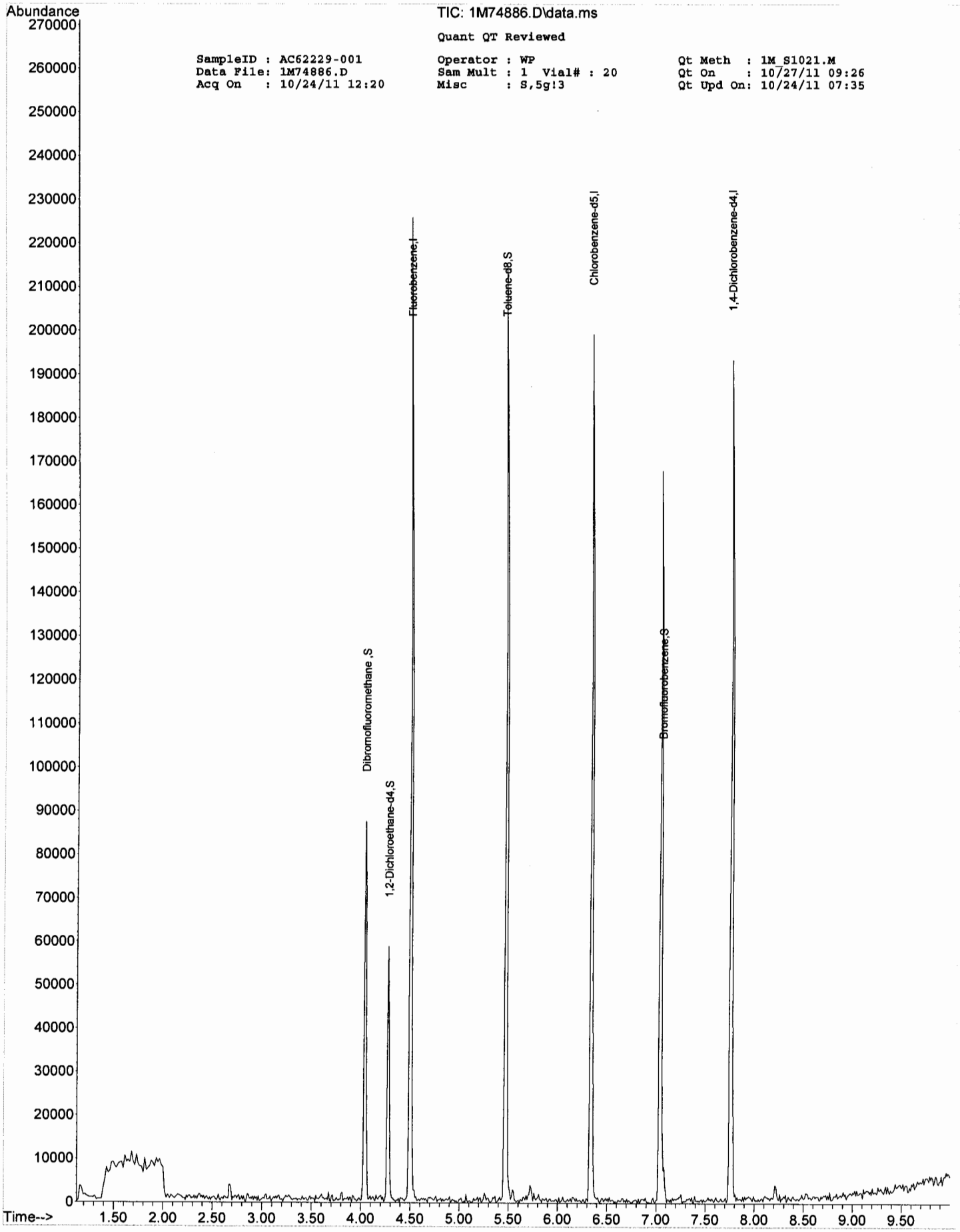
SampleID : AC62229-001 Operator : WP Qt Meth : 1M_S1021.M
Data File: 1M74886.D Sam Mult : 1 Vial# : 20 Qt On : 10/27/11 09:26
Acq On : 10/24/11 12:20 Misc : S,5g!3 Qt Upd On: 10/24/11 07:35

Data Path : G:\GcMsData\2011\GCMS_1\Data\10-24-11\
Qt Path : G:\GcMsData\2011\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.500	96	117904	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.340	117	83803	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.757	152	46017	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.038	111	38144	40.05	ug/l	0.00
Spiked Amount 30.000			Recovery = 133.50%			
38) 1,2-Dichloroethane-d4	4.274	67	13642	31.48	ug/l	0.00
Spiked Amount 30.000			Recovery = 104.93%			
65) Toluene-d8	5.465	98	102393	25.86	ug/l	0.00
Spiked Amount 30.000			Recovery = 86.20%			
75) Bromofluorobenzene	7.048	174	37790	26.09	ug/l	0.00
Spiked Amount 30.000			Recovery = 86.97%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 1M74886.D\data.ms
Quant QT Reviewed
SampleID : AC62229-001
Data File: 1M74886.D
Acq On : 10/24/11 12:20
Operator : WP
Sam Mult : 1 Vial# : 20
Misc : S,5g!3
Qt Meth : 1M_S1021.M
Qt On : 10/27/11 09:26
Qt Upd On: 10/24/11 07:35
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC62229-002(80uL)
Client Id: B-2
Data File: 2M74213.D
Analysis Date: 10/24/11 19:42
Date Rec/Extracted: 10/21/11-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Methanol
Extraction Ratio: 5.13g:10ml
Final Vol: NA
Dilution: 975
Solids: 92

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.1	U	56-23-5	Carbon Tetrachloride	1.1	U
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U	108-90-7	Chlorobenzene	1.1	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.1	U	75-00-3	Chloroethane	1.1	U
79-00-5	1,1,2-Trichloroethane	1.1	U	67-66-3	Chloroform	1.1	U
75-34-3	1,1-Dichloroethane	1.1	U	74-87-3	Chloromethane	1.1	U
75-35-4	1,1-Dichloroethene	1.1	U	156-59-2	cis-1,2-Dichloroethene	1.1	U
96-18-4	1,2,3-Trichloropropane	1.1	U	10061-01-5	cis-1,3-Dichloropropene	1.1	U
95-63-6	1,2,4-Trimethylbenzene	1.1	U	124-48-1	Dibromochloromethane	1.1	U
95-50-1	1,2-Dichlorobenzene	1.1	U	75-71-8	Dichlorodifluoromethane	1.1	U
107-06-2	1,2-Dichloroethane	0.53	U	100-41-4	Ethylbenzene	1.1	U
78-87-5	1,2-Dichloropropane	1.1	U	**98-82-8**	**Isopropylbenzene**	**1.1**	**4.1**
108-67-8	1,3,5-Trimethylbenzene	1.1	U	136777612	m&p-Xylenes	1.1	U
541-73-1	1,3-Dichlorobenzene	1.1	U	75-09-2	Methylene Chloride	1.1	U
142-28-9	1,3-Dichloropropane	1.1	U	1634-04-4	Methyl-t-butyl ether	0.53	U
106-46-7	1,4-Dichlorobenzene	1.1	U	**104-51-8**	**n-Butylbenzene**	**1.1**	**13**
123-91-1	1,4-Dioxane	53	U	**103-65-1**	**n-Propylbenzene**	**1.1**	**13**
78-93-3	2-Butanone	1.1	U	95-47-6	o-Xylene	1.1	U
110-75-8	2-Chloroethylvinylether	1.1	U	**135-98-8**	**sec-Butylbenzene**	**1.1**	**13**
591-78-6	2-Hexanone	1.1	U	100-42-5	Styrene	1.1	U
99-87-6	4-Isopropyltoluene	1.1	U	75-65-0	t-Butyl Alcohol	5.3	U
108-10-1	4-Methyl-2-Pentanone	1.1	U	**98-06-6**	**t-Butylbenzene**	**1.1**	**2.4**
67-64-1	Acetone	6.2	U	127-18-4	Tetrachloroethene	1.1	U
107-02-8	Acrolein	5.3	U	108-88-3	Toluene	1.1	U
107-13-1	Acrylonitrile	1.2	U	156-60-5	trans-1,2-Dichloroethene	1.1	U
71-43-2	Benzene	0.53	U	10061-02-6	trans-1,3-Dichloropropene	1.1	U
75-27-4	Bromodichloromethane	0.64	U	79-01-6	Trichloroethene	1.1	U
75-25-2	Bromoform	1.1	U	75-69-4	Trichlorofluoromethane	1.1	U
74-83-9	Bromomethane	1.1	U	75-01-4	Vinyl Chloride	1.1	U
75-15-0	Carbon Disulfide	1.1	U	1330-20-7	Xylenes (Total)	1.1	U

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

Quantitation Report (QT Reviewed)

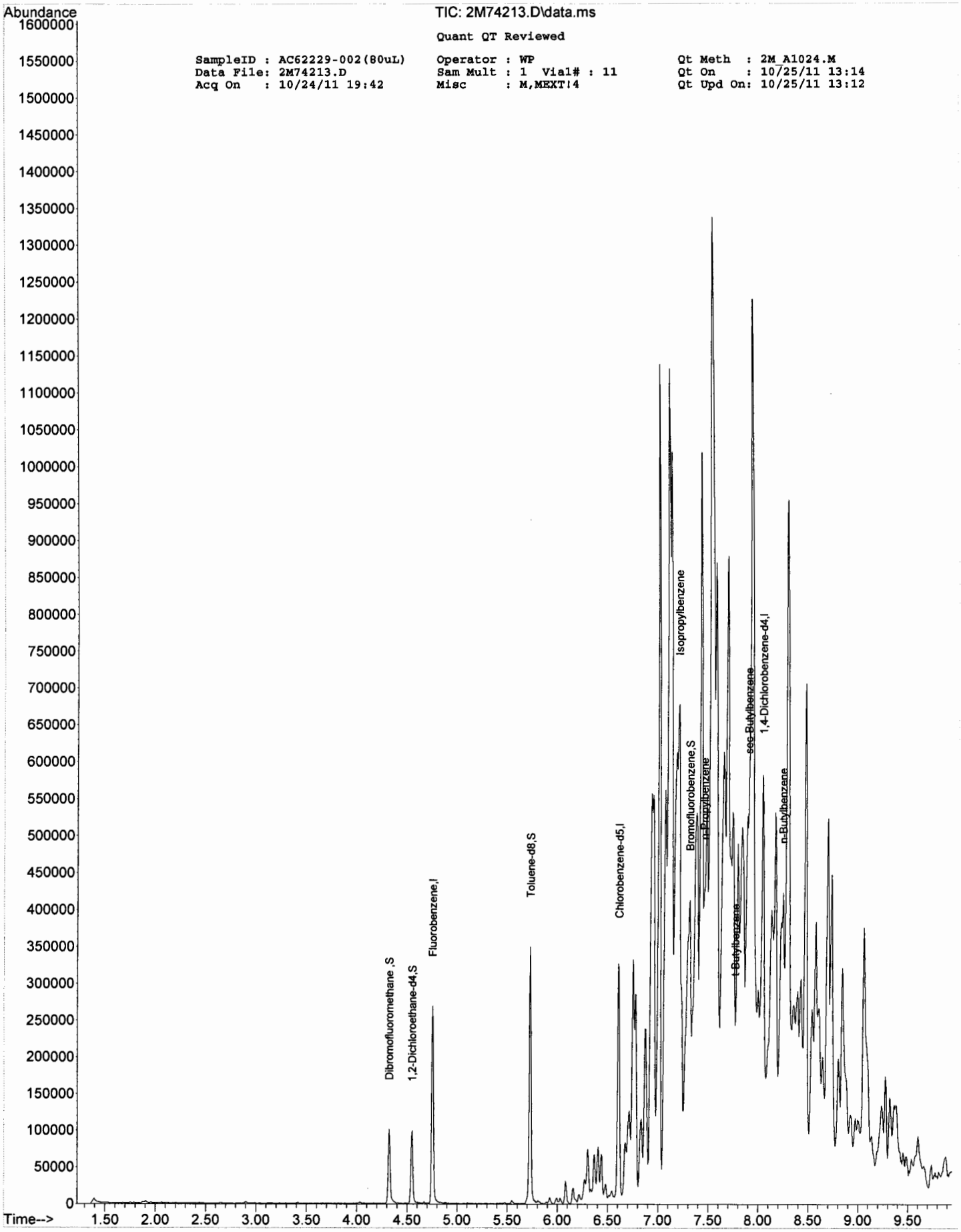
SampleID : AC62229-002(80uL) Operator : WP Qt Meth : 2M_A1024.M
Data File: 2M74213.D Sam Mult : 1 Vial# : 11 Qt On : 10/25/11 13:14
Acq On : 10/24/11 19:42 Misc : M,MEXT!4 Qt Upd On: 10/25/11 13:12

Data Path : G:\GcMsData\2011\GCMS_2\Data\10-24-11\
Qt Path : G:\GCMSDATA\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.754	96	157094	30.00	ug/l	0.00
54) Chlorobenzene-d5	6.611	117	138459	30.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	8.047	152	93404	30.00	ug/l	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	4.321	111	42226	30.17	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.57%			
41) 1,2-Dichloroethane-d4	4.550	67	24380	30.43	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.43%			
68) Toluene-d8	5.728	98	160159	29.43	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.10%			
78) Bromofluorobenzene	7.314	174	88825	28.19	ug/l	0.00
Spiked Amount 30.000			Recovery = 93.97%			
Target Compounds						Qvalue
86) Isopropylbenzene	7.206	105	35140	3.8442	ug/l	92
93) n-Propylbenzene	7.458	91	137694	12.3633	ug/l	92
97) t-Butylbenzene	7.771	119	17153	2.2438	ug/l	75
99) sec-Butylbenzene	7.903	105	112919	12.1454	ug/l	57
101) n-Butylbenzene	8.245	91	100147	12.2936	ug/l	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

KW


Abundance
TIC: 2M74213.D\data.ms
Quant QT Reviewed
SampleID : AC62229-002(80uL)
Data File: 2M74213.D
Acq On : 10/24/11 19:42
Operator : WP
Sam Mult : 1 Vial# : 11
Misc : M,MEXT!4
Qt Meth : 2M_A1024.M
Qt On : 10/25/11 13:14
Qt Upd On: 10/25/11 13:12
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Isopropylbenzene
Bromofluorobenzene,S
n-Propylbenzene
t-Butylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
n-Butylbenzene
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC62229-003(80uL)
Client Id: B-3
Data File: 2M74215.D
Analysis Date: 10/24/11 20:16
Date Rec/Extracted: 10/21/11-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Methanol
Extraction Ratio: 5.14g:10ml
Final Vol: NA
Dilution: 973
Solids: 88

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.1	U	56-23-5	Carbon Tetrachloride	1.1	U
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U	108-90-7	Chlorobenzene	1.1	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.1	U	75-00-3	Chloroethane	1.1	U
79-00-5	1,1,2-Trichloroethane	1.1	U	67-66-3	Chloroform	1.1	U
75-34-3	1,1-Dichloroethane	1.1	U	74-87-3	Chloromethane	1.1	U
75-35-4	1,1-Dichloroethene	1.1	U	156-59-2	cis-1,2-Dichloroethene	1.1	U
96-18-4	1,2,3-Trichloropropane	1.1	U	10061-01-5	cis-1,3-Dichloropropene	1.1	U
95-63-6	1,2,4-Trimethylbenzene	1.1	U	124-48-1	Dibromochloromethane	1.1	U
95-50-1	1,2-Dichlorobenzene	1.1	U	75-71-8	Dichlorodifluoromethane	1.1	U
107-06-2	1,2-Dichloroethane	0.55	U	100-41-4	Ethylbenzene	1.1	U
78-87-5	1,2-Dichloropropane	1.1	U	**98-82-8**	**Isopropylbenzene**	**1.1**	4.7
108-67-8	1,3,5-Trimethylbenzene	1.1	U	136777612	m&p-Xylenes	1.1	U
541-73-1	1,3-Dichlorobenzene	1.1	U	75-09-2	Methylene Chloride	1.1	U
142-28-9	1,3-Dichloropropane	1.1	U	1634-04-4	Methyl-t-butyl ether	0.55	U
106-46-7	1,4-Dichlorobenzene	1.1	U	**104-51-8**	**n-Butylbenzene**	**1.1**	**25**
123-91-1	1,4-Dioxane	55	U	**103-65-1**	**n-Propylbenzene**	**1.1**	**13**
78-93-3	2-Butanone	1.1	U	95-47-6	o-Xylene	1.1	U
110-75-8	2-Chloroethylvinylether	1.1	U	**135-98-8**	**sec-Butylbenzene**	**1.1**	**16**
591-78-6	2-Hexanone	1.1	U	100-42-5	Styrene	1.1	U
99-87-6	4-Isopropyltoluene	1.1	U	75-65-0	t-Butyl Alcohol	5.5	U
108-10-1	4-Methyl-2-Pentanone	1.1	U	**98-06-6**	**t-Butylbenzene**	**1.1**	**1.1**
67-64-1	Acetone	6.5	U	127-18-4	Tetrachloroethene	1.1	U
107-02-8	Acrolein	5.5	U	108-88-3	Toluene	1.1	U
107-13-1	Acrylonitrile	1.3	U	156-60-5	trans-1,2-Dichloroethene	1.1	U
71-43-2	Benzene	0.55	U	10061-02-6	trans-1,3-Dichloropropene	1.1	U
75-27-4	Bromodichloromethane	0.67	U	79-01-6	Trichloroethene	1.1	U
75-25-2	Bromoform	1.1	U	75-69-4	Trichlorofluoromethane	1.1	U
74-83-9	Bromomethane	1.1	U	75-01-4	Vinyl Chloride	1.1	U
75-15-0	Carbon Disulfide	1.1	U	1330-20-7	Xylenes (Total)	1.1	U

Worksheet #: 208057 ***Total Target Concentration*** 60 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

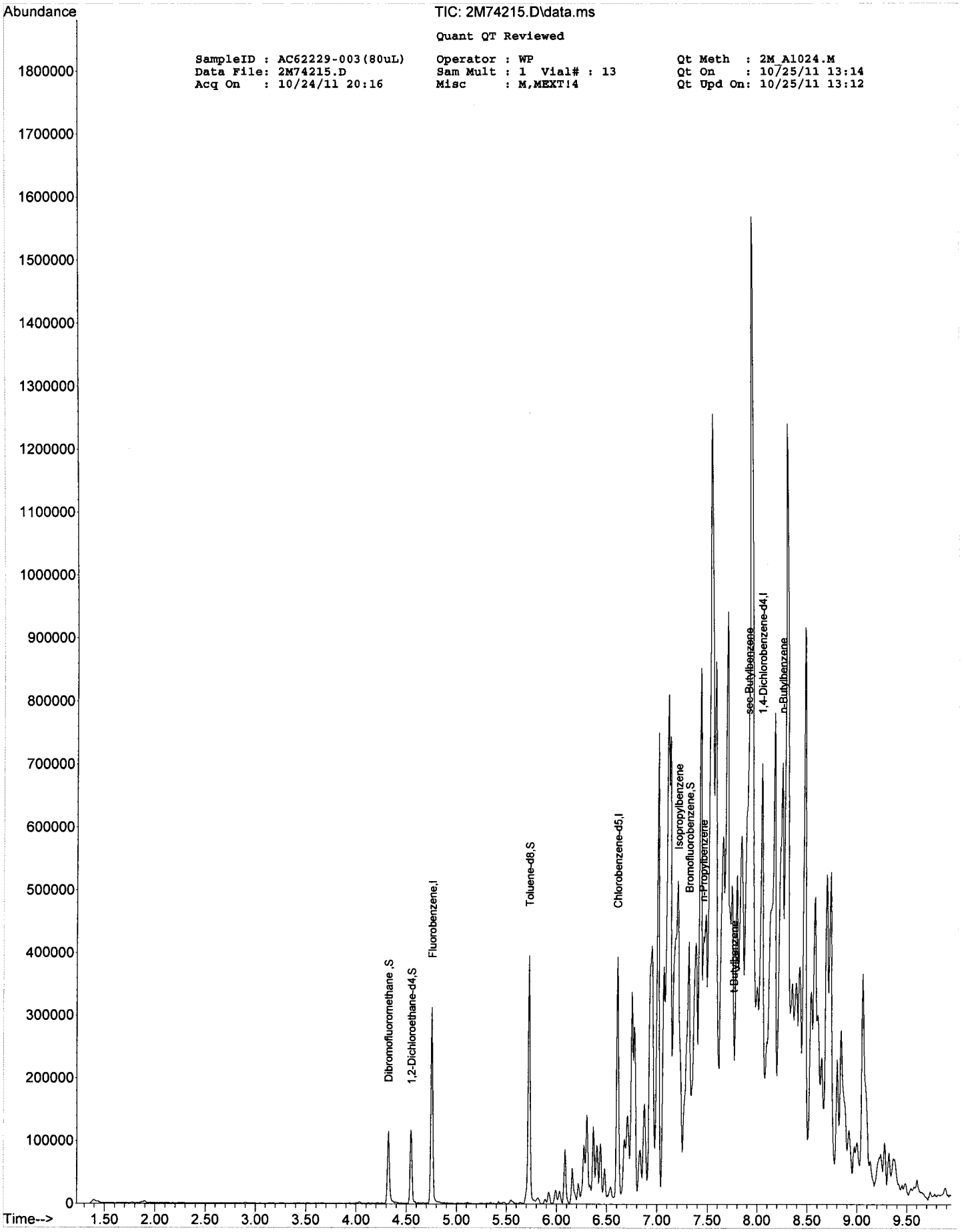
Quantitation Report (QT Reviewed)

SampleID : AC62229-003(80uL) Operator : WP Qt Meth : 2M_A1024.M
Data File: 2M74215.D Sam Mult : 1 Vial# : 13 Qt On : 10/25/11 13:14
Acq On : 10/24/11 20:16 Misc : M,MEXT!4 Qt Upd On: 10/25/11 13:12

Data Path : G:\GcMsData\2011\GCMS_2\Data\10-24-11\
Qt Path : G:\GCMSDATA\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.755	96	185551	30.00	ug/l	0.00
54) Chlorobenzene-d5	6.606	117	164548	30.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	8.042	152	112578	30.00	ug/l	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	4.322	111	49232	29.78	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.27%			
41) 1,2-Dichloroethane-d4	4.551	67	28486	30.10	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.33%			
68) Toluene-d8	5.728	98	183227	28.33	ug/l	0.00
Spiked Amount 30.000			Recovery = 94.43%			
78) Bromofluorobenzene	7.315	174	103218	27.18	ug/l	0.00
Spiked Amount 30.000			Recovery = 90.60%			
Target Compounds						Qvalue
86) Isopropylbenzene	7.207	105	47262	4.2897	ug/l	93
93) n-Propylbenzene	7.453	91	155181	11.5603	ug/l	94
97) t-Butylbenzene	7.765	119	9302	1.0096	ug/l	88
99) sec-Butylbenzene	7.904	105	161605	14.4216	ug/l	62
101) n-Butylbenzene	8.246	91	219886	22.3950	ug/l	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 2M74215.D\data.ms
Quant QT Reviewed
SampleID : AC62229-003(80uL)
Data File: 2M74215.D
Acq On : 10/24/11 20:16
Operator : WP
Sam Mult : 1 Vial# : 13
Misc : M,MEXT!4
Qt Meth : 2M_A1024.M
Qt On : 10/25/11 13:14
Qt Upd On: 10/25/11 13:12
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Isopropylbenzene
Bromofluorobenzene,S
n-Propylbenzene
t-Butylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
n-Butylbenzene
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC62229-004
Client Id: B-4
Data File: 1M74887.D
Analysis Date: 10/24/11 12:36
Date Rec/Extracted: 10/21/11-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5.12g
Final Vol: NA
Dilution: 0.977
Solids: 92

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0021	U	56-23-5	Carbon Tetrachloride	0.0021	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0021	U	108-90-7	Chlorobenzene	0.0021	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0021	U	75-00-3	Chloroethane	0.0021	U
79-00-5	1,1,2-Trichloroethane	0.0021	U	67-66-3	Chloroform	0.0021	U
75-34-3	1,1-Dichloroethane	0.0021	U	74-87-3	Chloromethane	0.0021	U
75-35-4	1,1-Dichloroethene	0.0021	U	156-59-2	cis-1,2-Dichloroethene	0.0021	U
96-18-4	1,2,3-Trichloropropane	0.0021	U	10061-01-5	cis-1,3-Dichloropropene	0.0021	U
95-63-6	1,2,4-Trimethylbenzene	0.0011	U	124-48-1	Dibromochloromethane	0.0021	U
95-50-1	1,2-Dichlorobenzene	0.0021	U	75-71-8	Dichlorodifluoromethane	0.0021	U
107-06-2	1,2-Dichloroethane	0.0021	U	100-41-4	Ethylbenzene	0.0011	U
78-87-5	1,2-Dichloropropane	0.0021	U	98-82-8	Isopropylbenzene	0.0011	U
108-67-8	1,3,5-Trimethylbenzene	0.0011	U	136777612	m&p-Xylenes	0.0011	U
541-73-1	1,3-Dichlorobenzene	0.0021	U	75-09-2	Methylene Chloride	0.0021	U
142-28-9	1,3-Dichloropropane	0.0021	U	1634-04-4	Methyl-t-butyl ether	0.0011	U
106-46-7	1,4-Dichlorobenzene	0.0021	U	104-51-8	n-Butylbenzene	0.0011	U
123-91-1	1,4-Dioxane	0.11	U	103-65-1	n-Propylbenzene	0.0011	U
78-93-3	2-Butanone	0.0021	U	95-47-6	o-Xylene	0.0011	U
110-75-8	2-Chloroethylvinylether	0.0021	U	135-98-8	sec-Butylbenzene	0.0011	U
591-78-6	2-Hexanone	0.0021	U	100-42-5	Styrene	0.0021	U
99-87-6	4-Isopropyltoluene	0.0011	U	75-65-0	t-Butyl Alcohol	0.011	U
108-10-1	4-Methyl-2-Pentanone	0.0021	U	98-06-6	t-Butylbenzene	0.0011	U
67-64-1	Acetone	0.011	U	127-18-4	Tetrachloroethene	0.0021	U
107-02-8	Acrolein	0.011	U	108-88-3	Toluene	0.0011	U
107-13-1	Acrylonitrile	0.0021	U	156-60-5	trans-1,2-Dichloroethene	0.0021	U
71-43-2	Benzene	0.0011	U	10061-02-6	trans-1,3-Dichloropropene	0.0021	U
75-27-4	Bromodichloromethane	0.0021	U	79-01-6	Trichloroethene	0.0021	U
75-25-2	Bromoform	0.0021	U	75-69-4	Trichlorofluoromethane	0.0021	U
74-83-9	Bromomethane	0.0021	U	75-01-4	Vinyl Chloride	0.0021	U
75-15-0	Carbon Disulfide	0.0021	U	1330-20-7	Xylenes (Total)	0.0011	U

Worksheet #: 208057

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

Quantitation Report (QT Reviewed)

SampleID : AC62229-004 Operator : WP Qt Meth : 1M_S1021.M
Data File: 1M74887.D Sam Mult : 1 Vial# : 21 Qt On : 10/24/11 12:59
Acq On : 10/24/11 12:36 Misc : S,5g!3 Qt Upd On: 10/24/11 07:35

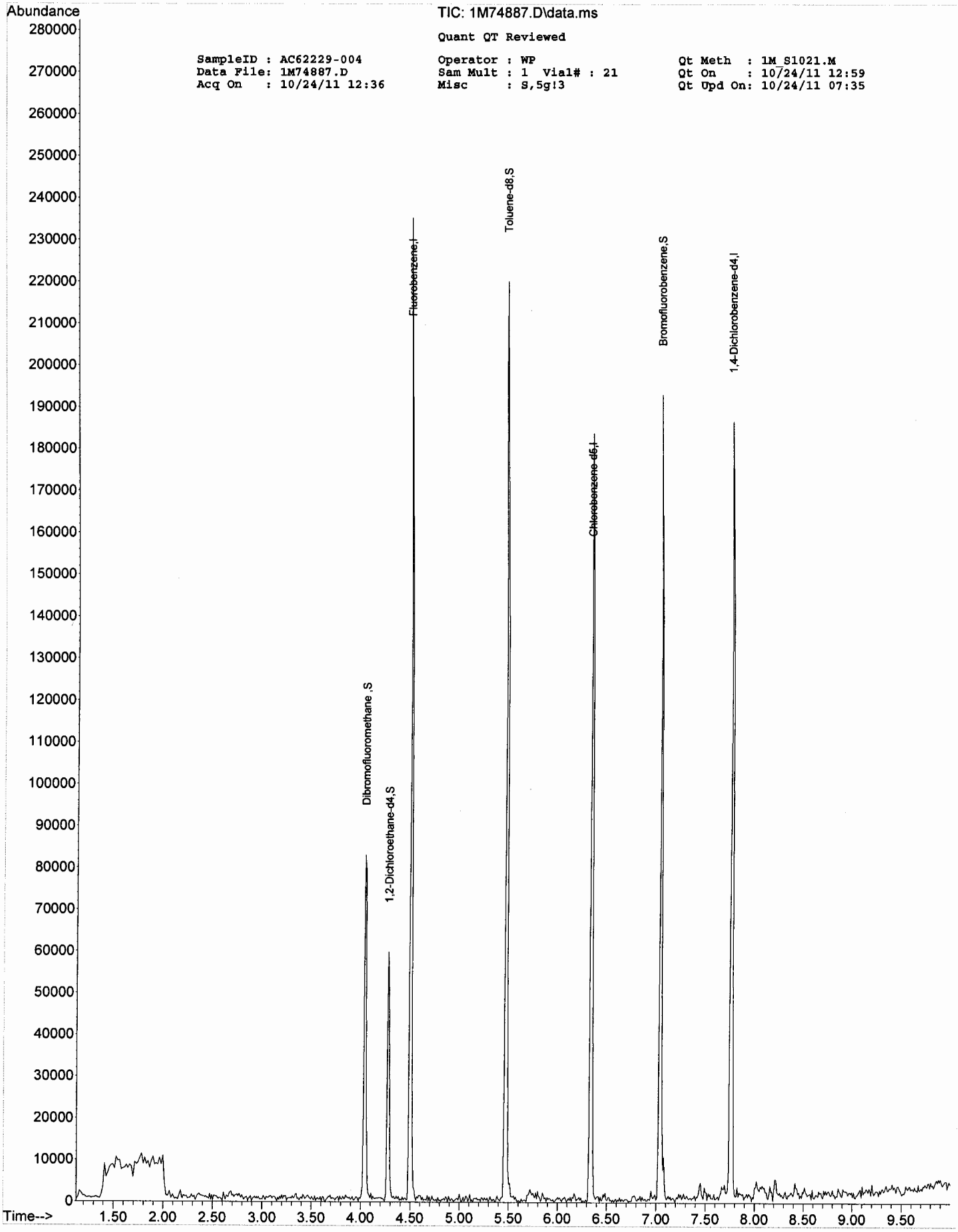
Data Path : G:\GcMsData\2011\GCMS_1\Data\10-24-11\
Qt Path : G:\GcMsData\2011\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.499	96	118598	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.329	117	80853	30.00	ug/l	-0.01
69) 1,4-Dichlorobenzene-d4	7.756	152	42506	30.00	ug/l	-0.01
System Monitoring Compounds						
36) Dibromofluoromethane	4.037	111	38957	40.66	ug/l	0.00
Spiked Amount 30.000			Recovery = 135.53%			
38) 1,2-Dichloroethane-d4	4.273	67	15159	34.77	ug/l	-0.01
Spiked Amount 30.000			Recovery = 115.90%			
65) Toluene-d8	5.473	98	109386	28.63	ug/l	0.00
Spiked Amount 30.000			Recovery = 95.43%			
75) Bromofluorobenzene	7.037	174	38265	28.60	ug/l	-0.01
Spiked Amount 30.000			Recovery = 95.33%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Ca


Abundance
TIC: 1M74887.D\data.ms
Quant QT Reviewed
SampleID : AC62229-004
Data File: 1M74887.D
Acq On : 10/24/11 12:36
Operator : WP
Sam Mult : 1 Vial# : 21
Misc : S,5g!3
Qt Meth : 1M_S1021.M
Qt On : 10/24/11 12:59
Qt Upd On: 10/24/11 07:35
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC62229-005
Client Id: B-5A
Data File: 1M74888.D
Analysis Date: 10/24/11 12:53
Date Rec/Extracted: 10/21/11-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5.01g
Final Vol: NA
Dilution: 0.998
Solids: 91

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0022	U	56-23-5	Carbon Tetrachloride	0.0022	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0022	U	108-90-7	Chlorobenzene	0.0022	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0022	U	75-00-3	Chloroethane	0.0022	U
79-00-5	1,1,2-Trichloroethane	0.0022	U	67-66-3	Chloroform	0.0022	U
75-34-3	1,1-Dichloroethane	0.0022	U	74-87-3	Chloromethane	0.0022	U
75-35-4	1,1-Dichloroethene	0.0022	U	156-59-2	cis-1,2-Dichloroethene	0.0022	U
96-18-4	1,2,3-Trichloropropane	0.0022	U	10061-01-5	cis-1,3-Dichloropropene	0.0022	U
95-63-6	1,2,4-Trimethylbenzene	0.0011	U	124-48-1	Dibromochloromethane	0.0022	U
95-50-1	1,2-Dichlorobenzene	0.0022	U	75-71-8	Dichlorodifluoromethane	0.0022	U
107-06-2	1,2-Dichloroethane	0.0022	U	100-41-4	Ethylbenzene	0.0011	U
78-87-5	1,2-Dichloropropane	0.0022	U	98-82-8	Isopropylbenzene	0.0011	U
108-67-8	1,3,5-Trimethylbenzene	0.0011	U	136777612	m&p-Xylenes	0.0011	U
541-73-1	1,3-Dichlorobenzene	0.0022	U	75-09-2	Methylene Chloride	0.0022	U
142-28-9	1,3-Dichloropropane	0.0022	U	1634-04-4	Methyl-t-butyl ether	0.0011	U
106-46-7	1,4-Dichlorobenzene	0.0022	U	104-51-8	n-Butylbenzene	0.0011	U
123-91-1	1,4-Dioxane	0.11	U	103-65-1	n-Propylbenzene	0.0011	U
78-93-3	2-Butanone	0.0022	U	95-47-6	o-Xylene	0.0011	U
110-75-8	2-Chloroethylvinylether	0.0022	U	135-98-8	sec-Butylbenzene	0.0011	U
591-78-6	2-Hexanone	0.0022	U	100-42-5	Styrene	0.0022	U
99-87-6	4-Isopropyltoluene	0.0011	U	75-65-0	t-Butyl Alcohol	0.011	U
108-10-1	4-Methyl-2-Pentanone	0.0022	U	98-06-6	t-Butylbenzene	0.0011	U
67-64-1	**Acetone**	**0.011**	**0.056**	127-18-4	Tetrachloroethene	0.0022	U
107-02-8	Acrolein	0.011	U	108-88-3	Toluene	0.0011	U
107-13-1	Acrylonitrile	0.0022	U	156-60-5	trans-1,2-Dichloroethene	0.0022	U
71-43-2	Benzene	0.0011	U	10061-02-6	trans-1,3-Dichloropropene	0.0022	U
75-27-4	Bromodichloromethane	0.0022	U	79-01-6	Trichloroethene	0.0022	U
75-25-2	Bromoform	0.0022	U	75-69-4	Trichlorofluoromethane	0.0022	U
74-83-9	Bromomethane	0.0022	U	75-01-4	Vinyl Chloride	0.0022	U
75-15-0	Carbon Disulfide	0.0022	U	1330-20-7	Xylenes (Total)	0.0011	U

Worksheet #: 208057 ***Total Target Concentration*** 0.056 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

Quantitation Report (QT Reviewed)

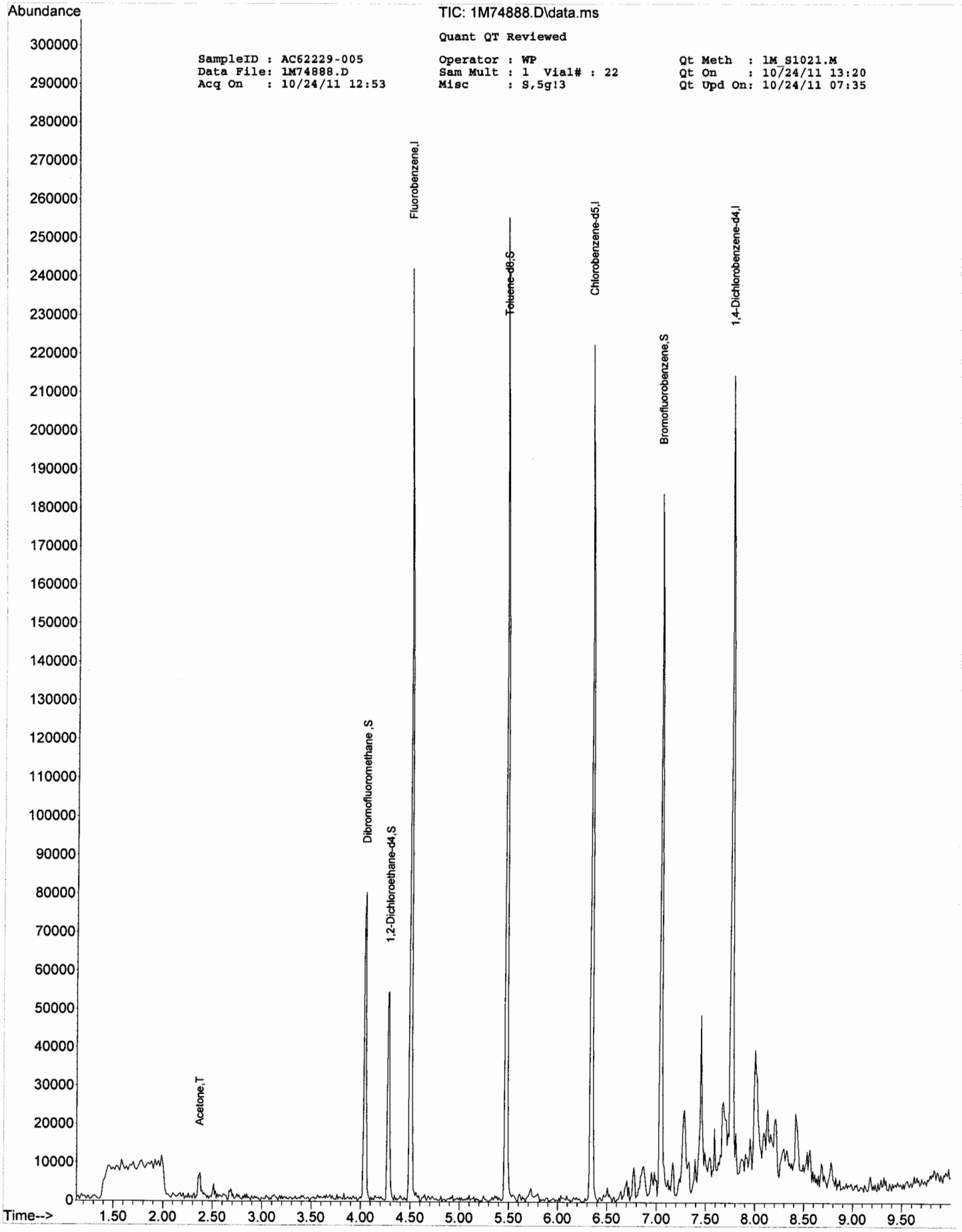
SampleID : AC62229-005 Operator : WP Qt Meth : 1M_S1021.M
Data File: 1M74888.D Sam Mult : 1 Vial# : 22 Qt On : 10/24/11 13:20
Acq On : 10/24/11 12:53 Misc : S,5g!3 Qt Upd On: 10/24/11 07:35

Data Path : G:\GcMsData\2011\GCMS_1\Data\10-24-11\
Qt Path : G:\GcMsData\2011\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.500	96	124671	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.340	117	89541	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.766	152	49288	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.048	111	35819	35.56	ug/l	0.00
Spiked Amount 30.000			Recovery = 118.53%			
38) 1,2-Dichloroethane-d4	4.284	67	14957	32.64	ug/l	0.00
Spiked Amount 30.000			Recovery = 108.80%			
65) Toluene-d8	5.474	98	115657	27.34	ug/l	0.00
Spiked Amount 30.000			Recovery = 91.13%			
75) Bromofluorobenzene	7.038	174	40798	26.30	ug/l	-0.01
Spiked Amount 30.000			Recovery = 87.67%			
Target Compounds						Qvalue
19) Acetone	2.365	43	8107	51.0254	ug/l	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Ve


Abundance
TIC: 1M74888.D\data.ms
Quant QT Reviewed
SampleID : AC62229-005
Data File: 1M74888.D
Acq On : 10/24/11 12:53
Operator : WP
Sam Mult : 1 Vial# : 22
Misc : S,5g!3
Qt Meth : 1M_S1021.M
Qt On : 10/24/11 13:20
Qt Upd On: 10/24/11 07:35
Acetone,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC62229-006
Client Id: B-5B
Data File: 1M74901.D
Analysis Date: 10/24/11 16:21
Date Rec/Extracted: 10/21/11-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5.07g
Final Vol: NA
Dilution: 0.986
Solids: 87

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0023	U	56-23-5	Carbon Tetrachloride	0.0023	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0023	U	108-90-7	Chlorobenzene	0.0023	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0023	U	75-00-3	Chloroethane	0.0023	U
79-00-5	1,1,2-Trichloroethane	0.0023	U	67-66-3	Chloroform	0.0023	U
75-34-3	1,1-Dichloroethane	0.0023	U	74-87-3	Chloromethane	0.0023	U
75-35-4	1,1-Dichloroethene	0.0023	U	156-59-2	cis-1,2-Dichloroethene	0.0023	U
96-18-4	1,2,3-Trichloropropane	0.0023	U	10061-01-5	cis-1,3-Dichloropropene	0.0023	U
95-63-6	1,2,4-Trimethylbenzene	0.0011	U	124-48-1	Dibromochloromethane	0.0023	U
95-50-1	1,2-Dichlorobenzene	0.0023	U	75-71-8	Dichlorodifluoromethane	0.0023	U
107-06-2	1,2-Dichloroethane	0.0023	U	100-41-4	Ethylbenzene	0.0011	U
78-87-5	1,2-Dichloropropane	0.0023	U	98-82-8	Isopropylbenzene	0.0011	U
108-67-8	1,3,5-Trimethylbenzene	0.0011	U	136777612	m&p-Xylenes	0.0011	U
541-73-1	1,3-Dichlorobenzene	0.0023	U	75-09-2	Methylene Chloride	0.0023	U
142-28-9	1,3-Dichloropropane	0.0023	U	1634-04-4	Methyl-t-butyl ether	0.0011	U
106-46-7	1,4-Dichlorobenzene	0.0023	U	104-51-8	n-Butylbenzene	0.0011	U
123-91-1	1,4-Dioxane	0.11	U	103-65-1	n-Propylbenzene	0.0011	U
78-93-3	2-Butanone	0.0023	U	95-47-6	o-Xylene	0.0011	U
110-75-8	2-Chloroethylvinylether	0.0023	U	135-98-8	sec-Butylbenzene	0.0011	U
591-78-6	2-Hexanone	0.0023	U	100-42-5	Styrene	0.0023	U
99-87-6	4-Isopropyltoluene	0.0011	U	75-65-0	t-Butyl Alcohol	0.011	U
108-10-1	4-Methyl-2-Pentanone	0.0023	U	98-06-6	t-Butylbenzene	0.0011	U
67-64-1	**Acetone**	**0.011**	**0.022**	127-18-4	Tetrachloroethene	0.0023	U
107-02-8	Acrolein	0.011	U	108-88-3	Toluene	0.0011	U
107-13-1	Acrylonitrile	0.0023	U	156-60-5	trans-1,2-Dichloroethene	0.0023	U
71-43-2	Benzene	0.0011	U	10061-02-6	trans-1,3-Dichloropropene	0.0023	U
75-27-4	Bromodichloromethane	0.0023	U	79-01-6	Trichloroethene	0.0023	U
75-25-2	Bromoform	0.0023	U	75-69-4	Trichlorofluoromethane	0.0023	U
74-83-9	Bromomethane	0.0023	U	75-01-4	Vinyl Chloride	0.0023	U
75-15-0	Carbon Disulfide	0.0023	U	1330-20-7	Xylenes (Total)	0.0011	U

Worksheet #: 208057

Total Target Concentration 0.022

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

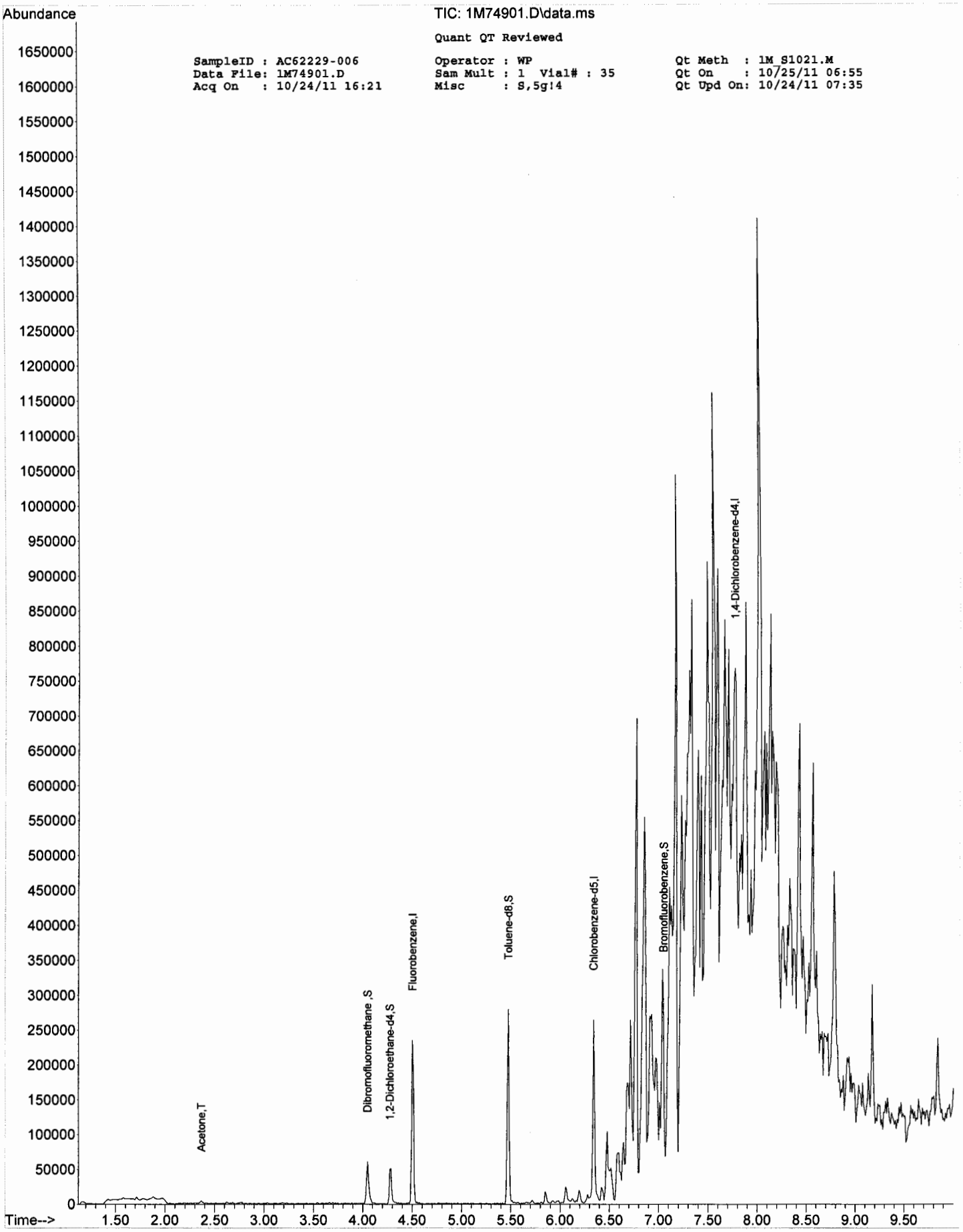
Quantitation Report (QT Reviewed)

SampleID : AC62229-006 Operator : WP Qt Meth : 1M_S1021.M
Data File: 1M74901.D Sam Mult : 1 Vial# : 35 Qt On : 10/25/11 06:55
Acq On : 10/24/11 16:21 Misc : S,5g!4 Qt Upd On: 10/24/11 07:35

Data Path : G:\GcMsData\2011\GCMS_1\Data\10-24-11\
Qt Path : G:\GcMsData\2011\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.500	96	138289	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.340	117	96465	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.767	152	61784	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.048	111	30166	27.00	ug/l	0.00
Spiked Amount 30.000			Recovery = 90.00%			
38) 1,2-Dichloroethane-d4	4.274	67	14776	29.07	ug/l	-0.01
Spiked Amount 30.000			Recovery = 96.90%			
65) Toluene-d8	5.474	98	124723	27.36	ug/l	0.00
Spiked Amount 30.000			Recovery = 91.20%			
75) Bromofluorobenzene	7.048	174	41496	21.34	ug/l	0.00
Spiked Amount 30.000			Recovery = 71.13%			
Target Compounds						Qvalue
19) Acetone	2.366	43	3464	19.6554	ug/l	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 1M74901.D\data.ms
Quant QT Reviewed
SampleID : AC62229-006
Data File: 1M74901.D
Acq On : 10/24/11 16:21
Operator : WP
Sam Mult : 1 Vial# : 35
Misc : S,5g!4
Qt Meth : 1M_S1021.M
Qt On : 10/25/11 06:55
Qt Upd On: 10/24/11 07:35
Acetone,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC62229-007
Client Id: TW-1
Data File: 3M01066.D
Analysis Date: 10/26/11 14:49
Date Rec/Extracted: 10/21/11-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	**156-59-2**	**cis-1,2-Dichloroethene**	**1.0**	**110**
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U	124-48-1	Dibromochloromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	100-41-4	Ethylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U	136777612	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2	Methylene Chloride	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
106-46-7	1,4-Dichlorobenzene	1.0	U	104-51-8	n-Butylbenzene	1.0	U
123-91-1	1,4-Dioxane	50	U	103-65-1	n-Propylbenzene	1.0	U
78-93-3	2-Butanone	1.0	U	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	U	135-98-8	sec-Butylbenzene	1.0	U
591-78-6	2-Hexanone	1.0	U	100-42-5	Styrene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	98-06-6	t-Butylbenzene	1.0	U
67-64-1	Acetone	5.9	U	**127-18-4**	**Tetrachloroethene**	**1.0**	**110**
107-02-8	Acrolein	5.0	U	108-88-3	Toluene	1.0	U
107-13-1	Acrylonitrile	1.1	U	**156-60-5**	**trans-1,2-Dichloroethene**	**1.0**	**5.0**
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-27-4	Bromodichloromethane	0.61	U	**79-01-6**	**Trichloroethene**	**1.0**	**290**
75-25-2	Bromoform	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
74-83-9	Bromomethane	1.0	U	75-01-4	Vinyl Chloride	1.0	U
75-15-0	Carbon Disulfide	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

Worksheet #: 208057

Total Target Concentration 520

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

Quantitation Report (QT Reviewed)

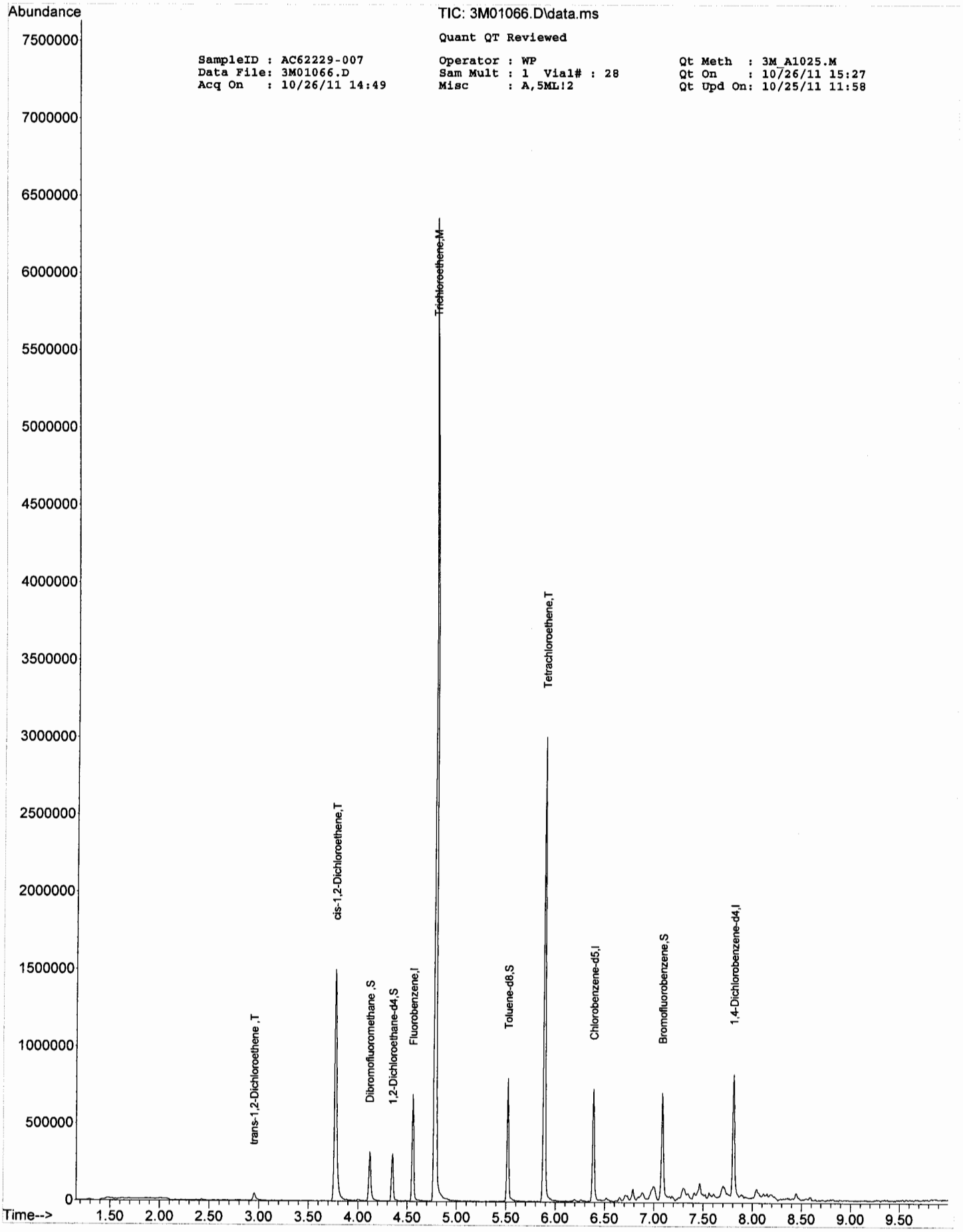
SampleID : AC62229-007 Operator : WP Qt Meth : 3M_A1025.M
Data File: 3M01066.D Sam Mult : 1 Vial# : 28 Qt On : 10/26/11 15:27
Acq On : 10/26/11 14:49 Misc : A,5ML!2 Qt Upd On: 10/25/11 11:58

Data Path : G:\GcMsData\2011\GCMS_3\Data\10-26-11\
Qt Path : G:\GcMsData\2011\GCMS_3\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.556	96	351021	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.385	117	287707	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.806	152	191075	30.00	ug/l	0.01
System Monitoring Compounds						
36) Dibromofluoromethane	4.117	111	139792	33.81	ug/l	0.00
Spiked Amount 30.000			Recovery = 112.70%			
38) 1,2-Dichloroethane-d4	4.351	67	74674	31.16	ug/l	0.01
Spiked Amount 30.000			Recovery = 103.87%			
65) Toluene-d8	5.519	98	359534	29.03	ug/l	0.01
Spiked Amount 30.000			Recovery = 96.77%			
75) Bromofluorobenzene	7.083	174	166052	30.82	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.73%			
Target Compounds						Qvalue
28) trans-1,2-Dichloroethene	2.949	96	18405	5.0149	ug/l	76
29) cis-1,2-Dichloroethene	3.768	61	701507	111.6289	ug/l	71
48) Trichloroethene	4.779	130	1396262	289.9210	ug/l	95
64) Tetrachloroethene	5.886	164	493589	109.9279	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

K


Abundance
TIC: 3M01066.D\data.ms
Quant QT Reviewed
SampleID : AC62229-007
Data File: 3M01066.D
Acq On : 10/26/11 14:49
Operator : WP
Sam Mult : 1 Vial# : 28
Misc : A,5ML!2
Qt Meth : 3M_A1025.M
Qt On : 10/26/11 15:27
Qt Upd On: 10/25/11 11:58
7500000
7000000
6500000
6000000
5500000
5000000
4500000
4000000
3500000
3000000
2500000
2000000
1500000
1000000
500000
0
Time-->
1.50
2.00
2.50
3.00
3.50
4.00
4.50
5.00
5.50
6.00
6.50
7.00
7.50
8.00
8.50
9.00
9.50
trans-1,2-Dichloroethene ,T
cis-1,2-Dichloroethene,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
Toluene-d8,S
Tetrachloroethene,T
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC62229-008
Client Id: TW-2
Data File: 3M01134.D
Analysis Date: 10/27/11 10:08
Date Rec/Extracted: 10/21/11-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
95-63-6	**1,2,4-Trimethylbenzene**	**1.0**	**27**	124-48-1	Dibromochloromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	100-41-4	Ethylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	**98-82-8**	**Isopropylbenzene**	**1.0**	**4.2**
108-67-8	**1,3,5-Trimethylbenzene**	**1.0**	**24**	136777612	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2	Methylene Chloride	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
106-46-7	1,4-Dichlorobenzene	1.0	U	**104-51-8**	**n-Butylbenzene**	**1.0**	**1.9**
123-91-1	1,4-Dioxane	50	U	**103-65-1**	**n-Propylbenzene**	**1.0**	**1.8**
78-93-3	2-Butanone	1.0	U	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	U	**135-98-8**	**sec-Butylbenzene**	**1.0**	**19**
591-78-6	2-Hexanone	1.0	U	100-42-5	Styrene	1.0	U
99-87-6	**4-Isopropyltoluene**	**1.0**	**5.3**	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	**98-06-6**	**t-Butylbenzene**	**1.0**	**4.7**
67-64-1	Acetone	5.9	U	127-18-4	Tetrachloroethene	1.0	U
107-02-8	Acrolein	5.0	U	108-88-3	Toluene	1.0	U
107-13-1	Acrylonitrile	1.1	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-27-4	Bromodichloromethane	0.61	U	79-01-6	Trichloroethene	1.0	U
75-25-2	Bromoform	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
74-83-9	Bromomethane	1.0	U	75-01-4	Vinyl Chloride	1.0	U
75-15-0	Carbon Disulfide	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

Worksheet #: 208057

Total Target Concentration 88

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

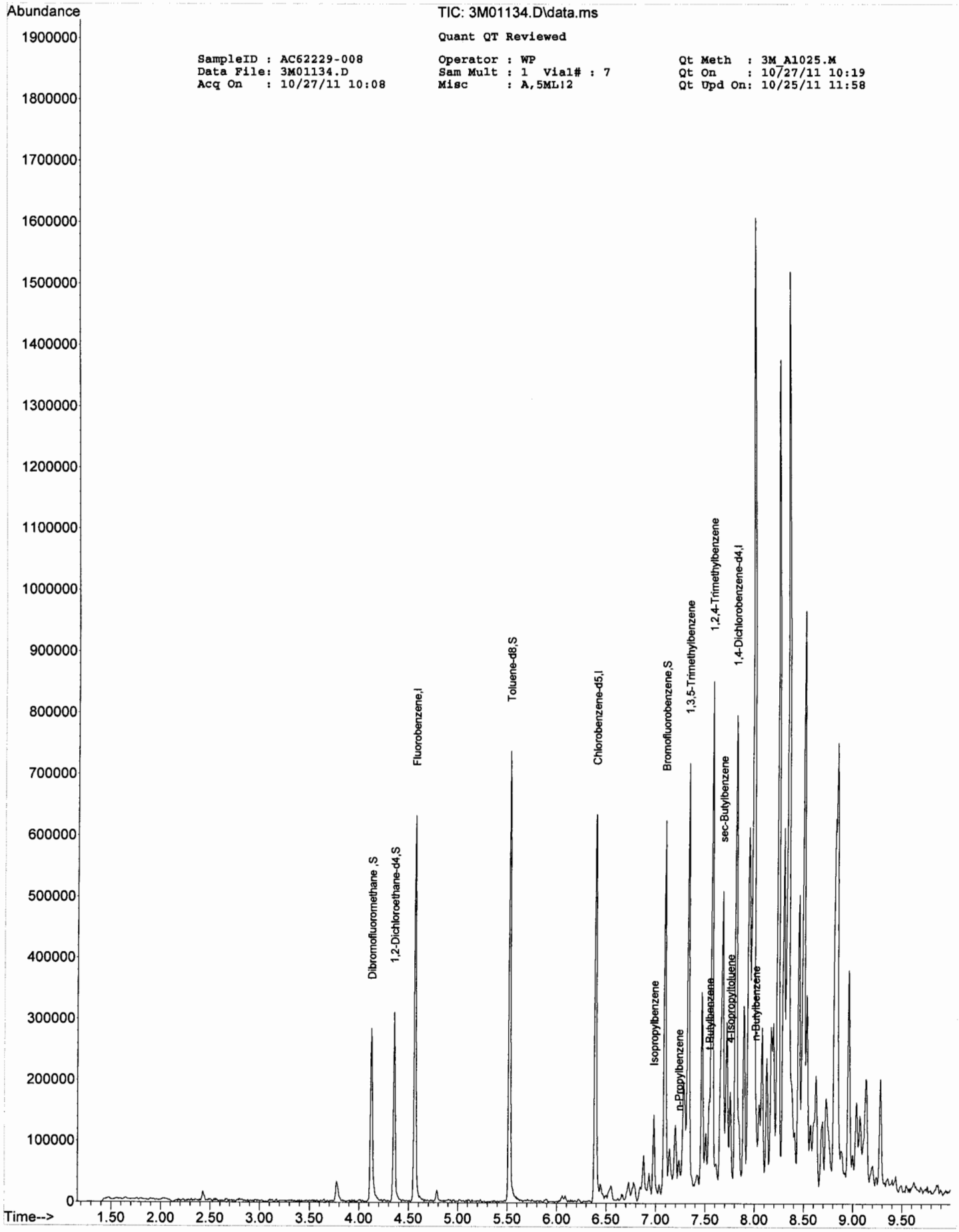
SampleID : AC62229-008 Operator : WP Qt Meth : 3M_A1025.M
Data File: 3M01134.D Sam Mult : 1 Vial# : 7 Qt On : 10/27/11 10:19
Acq On : 10/27/11 10:08 Misc : A,5ML!2 Qt Upd On: 10/25/11 11:58

Data Path : G:\GcMsData\2011\GCMS_3\Data\10-27-11\
Qt Path : G:\GcMsData\2011\GCMS_3\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.563	96	333602	30.00	ug/l	0.01
51) Chlorobenzene-d5	6.392	117	259206	30.00	ug/l	0.01
69) 1,4-Dichlorobenzene-d4	7.806	152	176967	30.00	ug/l	0.01
System Monitoring Compounds						
36) Dibromofluoromethane	4.123	111	119472	30.41	ug/l	0.01
Spiked Amount 30.000			Recovery = 101.37%			
38) 1,2-Dichloroethane-d4	4.352	67	77302	33.94	ug/l	0.01
Spiked Amount 30.000			Recovery = 113.13%			
65) Toluene-d8	5.519	98	326219	29.24	ug/l	0.01
Spiked Amount 30.000			Recovery = 97.47%			
75) Bromofluorobenzene	7.090	174	144999	29.06	ug/l	0.01
Spiked Amount 30.000			Recovery = 96.87%			
Target Compounds						Qvalue
83) Isopropylbenzene	6.982	105	60026	4.1919	ug/l	99
90) n-Propylbenzene	7.234	91	29615	1.8263	ug/l	100
92) 1,3,5-Trimethylbenzene	7.325	105	305290	24.1382	ug/l	98
94) t-Butylbenzene	7.541	119	52295	4.6644	ug/l	76
95) 1,2,4-Trimethylbenzene	7.565	105	355261	26.7113	ug/l	97
96) sec-Butylbenzene	7.674	105	222730	18.6183	ug/l	77
97) 4-Isopropyltoluene	7.752	119	54660	5.2725	ug/l	95
98) n-Butylbenzene	8.011	91	20465m	1.8998	ug/l	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Ku


Abundance
TIC: 3M01134.D\data.ms
Quant QT Reviewed
SampleID : AC62229-008
Data File: 3M01134.D
Acq On : 10/27/11 10:08
Operator : WP
Sam Mult : 1 Vial# : 7
Misc : A,5ML;2
Qt Meth : 3M_A1025.M
Qt On : 10/27/11 10:19
Qt Upd On: 10/25/11 11:58
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Isopropylbenzene
Bromofluorobenzene,S
n-Propylbenzene
1,3,5-Trimethylbenzene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
4-Isopropyltoluene
1,4-Dichlorobenzene-d4,I
n-Butylbenzene
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 1M74872.D
Analysis Date: 10/24/11 08:29
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5g
Final Vol: NA
Dilution: 1.00
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0020	U	56-23-5	Carbon Tetrachloride	0.0020	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0020	U	108-90-7	Chlorobenzene	0.0020	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0020	U	75-00-3	Chloroethane	0.0020	U
79-00-5	1,1,2-Trichloroethane	0.0020	U	67-66-3	Chloroform	0.0020	U
75-34-3	1,1-Dichloroethane	0.0020	U	74-87-3	Chloromethane	0.0020	U
75-35-4	1,1-Dichloroethene	0.0020	U	156-59-2	cis-1,2-Dichloroethene	0.0020	U
96-18-4	1,2,3-Trichloropropane	0.0020	U	10061-01-5	cis-1,3-Dichloropropene	0.0020	U
95-63-6	1,2,4-Trimethylbenzene	0.0010	U	124-48-1	Dibromochloromethane	0.0020	U
95-50-1	1,2-Dichlorobenzene	0.0020	U	75-71-8	Dichlorodifluoromethane	0.0020	U
107-06-2	1,2-Dichloroethane	0.0020	U	100-41-4	Ethylbenzene	0.0010	U
78-87-5	1,2-Dichloropropane	0.0020	U	98-82-8	Isopropylbenzene	0.0010	U
108-67-8	1,3,5-Trimethylbenzene	0.0010	U	136777612	m&p-Xylenes	0.0010	U
541-73-1	1,3-Dichlorobenzene	0.0020	U	75-09-2	Methylene Chloride	0.0020	U
142-28-9	1,3-Dichloropropane	0.0020	U	1634-04-4	Methyl-t-butyl ether	0.0010	U
106-46-7	1,4-Dichlorobenzene	0.0020	U	104-51-8	n-Butylbenzene	0.0010	U
123-91-1	1,4-Dioxane	0.10	U	103-65-1	n-Propylbenzene	0.0010	U
78-93-3	2-Butanone	0.0020	U	95-47-6	o-Xylene	0.0010	U
110-75-8	2-Chloroethylvinylether	0.0020	U	135-98-8	sec-Butylbenzene	0.0010	U
591-78-6	2-Hexanone	0.0020	U	100-42-5	Styrene	0.0020	U
99-87-6	4-Isopropyltoluene	0.0010	U	75-65-0	t-Butyl Alcohol	0.010	U
108-10-1	4-Methyl-2-Pentanone	0.0020	U	98-06-6	t-Butylbenzene	0.0010	U
67-64-1	Acetone	0.010	U	127-18-4	Tetrachloroethene	0.0020	U
107-02-8	Acrolein	0.010	U	108-88-3	Toluene	0.0010	U
107-13-1	Acrylonitrile	0.0020	U	156-60-5	trans-1,2-Dichloroethene	0.0020	U
71-43-2	Benzene	0.0010	U	10061-02-6	trans-1,3-Dichloropropene	0.0020	U
75-27-4	Bromodichloromethane	0.0020	U	79-01-6	Trichloroethene	0.0020	U
75-25-2	Bromoform	0.0020	U	75-69-4	Trichlorofluoromethane	0.0020	U
74-83-9	Bromomethane	0.0020	U	75-01-4	Vinyl Chloride	0.0020	U
75-15-0	Carbon Disulfide	0.0020	U				

Worksheet #: 208057

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

Quantitation Report (QT/LSC Reviewed)

SampleID : DAILY BLANK
Data File: 1M74872.D
Acq On : 10/24/11 08:29

Operator : WP
Sam Mult : 1 Vial# : 6
Misc : S,5g

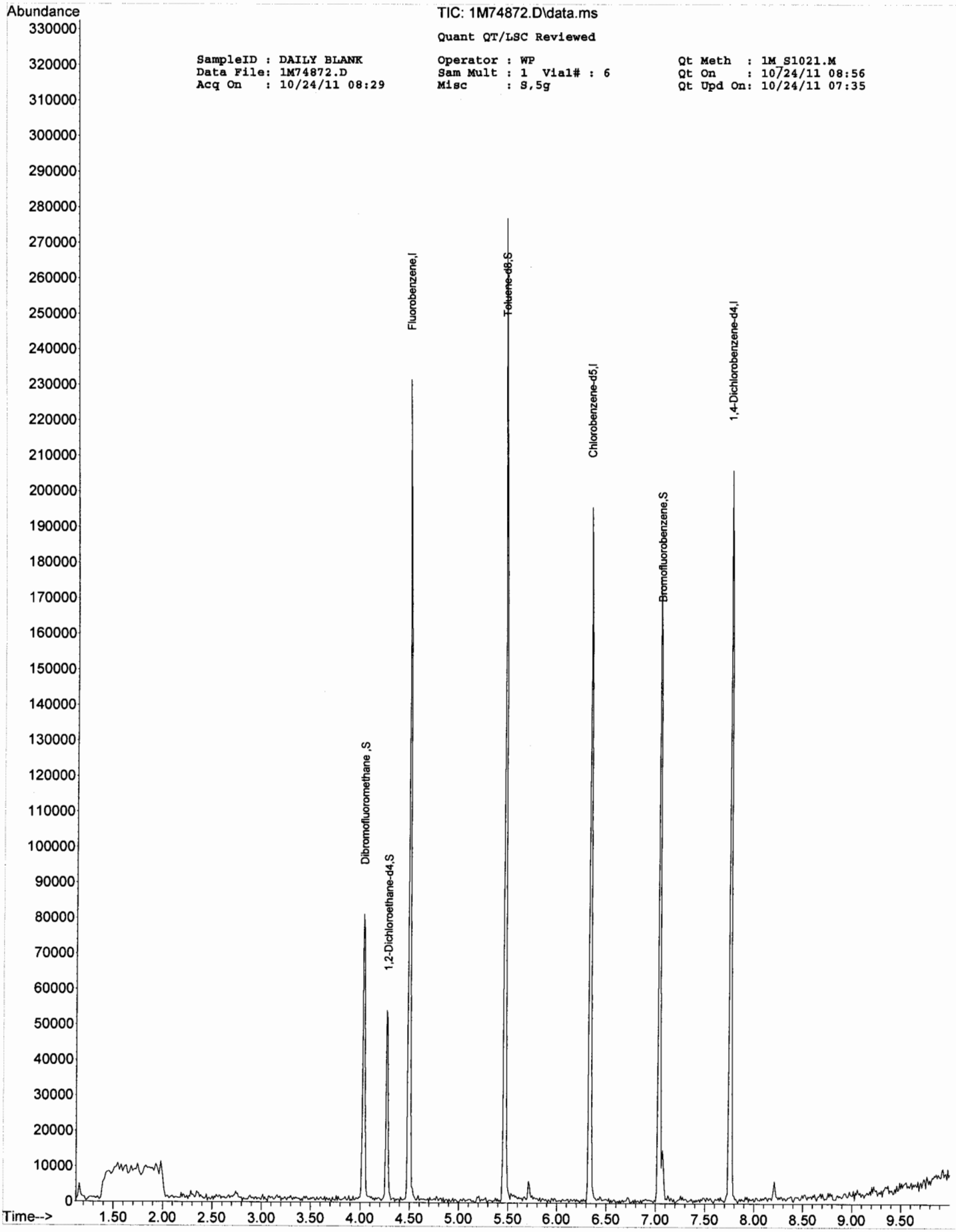
Qt Meth : 1M_S1021.M
Qt On : 10/24/11 08:56
Qt Upd On: 10/24/11 07:35

Data Path : G:\GcMsData\2011\GCMS_1\Data\10-24-11\
Qt Path : G:\GcMsData\2011\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.491	96	121135	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.331	117	83343	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.757	152	50223	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.028	111	37071m	37.88	ug/l	0.00
Spiked Amount 30.000			Recovery = 126.27%			
38) 1,2-Dichloroethane-d4	4.274	67	15583	34.99	ug/l	0.00
Spiked Amount 30.000			Recovery = 116.63%			
65) Toluene-d8	5.465	98	116350	29.55	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.50%			
75) Bromofluorobenzene	7.039	174	46534	29.44	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.13%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 1M74872.D\data.ms
Quant QT/LSC Reviewed
SampleID : DAILY BLANK
Data File: 1M74872.D
Acq On : 10/24/11 08:29
Operator : WP
Sam Mult : 1 Vial# : 6
Misc : S,5g
Qt Meth : 1M_S1021.M
Qt On : 10/24/11 08:56
Qt Upd On: 10/24/11 07:35
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 2M74198.D
Analysis Date: 10/24/11 15:29
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Methanol
Extraction Ratio: 5g:10ml
Final Vol: NA
Dilution: 100
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.10	U	56-23-5	Carbon Tetrachloride	0.10	U
79-34-5	1,1,2,2-Tetrachloroethane	0.10	U	108-90-7	Chlorobenzene	0.10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.10	U	75-00-3	Chloroethane	0.10	U
79-00-5	1,1,2-Trichloroethane	0.10	U	67-66-3	Chloroform	0.10	U
75-34-3	1,1-Dichloroethane	0.10	U	74-87-3	Chloromethane	0.10	U
75-35-4	1,1-Dichloroethene	0.10	U	156-59-2	cis-1,2-Dichloroethene	0.10	U
96-18-4	1,2,3-Trichloropropane	0.10	U	10061-01-5	cis-1,3-Dichloropropene	0.10	U
95-63-6	1,2,4-Trimethylbenzene	0.10	U	124-48-1	Dibromochloromethane	0.10	U
95-50-1	1,2-Dichlorobenzene	0.10	U	75-71-8	Dichlorodifluoromethane	0.10	U
107-06-2	1,2-Dichloroethane	0.050	U	100-41-4	Ethylbenzene	0.10	U
78-87-5	1,2-Dichloropropane	0.10	U	98-82-8	Isopropylbenzene	0.10	U
108-67-8	1,3,5-Trimethylbenzene	0.10	U	136777612	m&p-Xylenes	0.10	U
541-73-1	1,3-Dichlorobenzene	0.10	U	75-09-2	Methylene Chloride	0.10	U
142-28-9	1,3-Dichloropropane	0.10	U	1634-04-4	Methyl-t-butyl ether	0.050	U
106-46-7	1,4-Dichlorobenzene	0.10	U	104-51-8	n-Butylbenzene	0.10	U
123-91-1	1,4-Dioxane	5.0	U	103-65-1	n-Propylbenzene	0.10	U
78-93-3	2-Butanone	0.10	U	95-47-6	o-Xylene	0.10	U
110-75-8	2-Chloroethylvinylether	0.10	U	135-98-8	sec-Butylbenzene	0.10	U
591-78-6	2-Hexanone	0.10	U	100-42-5	Styrene	0.10	U
99-87-6	4-Isopropyltoluene	0.10	U	75-65-0	t-Butyl Alcohol	0.50	U
108-10-1	4-Methyl-2-Pentanone	0.10	U	98-06-6	t-Butylbenzene	0.10	U
67-64-1	Acetone	0.59	U	127-18-4	Tetrachloroethene	0.10	U
107-02-8	Acrolein	0.50	U	108-88-3	Toluene	0.10	U
107-13-1	Acrylonitrile	0.11	U	156-60-5	trans-1,2-Dichloroethene	0.10	U
71-43-2	Benzene	0.050	U	10061-02-6	trans-1,3-Dichloropropene	0.10	U
75-27-4	Bromodichloromethane	0.061	U	79-01-6	Trichloroethene	0.10	U
75-25-2	Bromoform	0.10	U	75-69-4	Trichlorofluoromethane	0.10	U
74-83-9	Bromomethane	0.10	U	75-01-4	Vinyl Chloride	0.10	U
75-15-0	Carbon Disulfide	0.10	U				

Worksheet #: 208057

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

Quantitation Report (QT Reviewed)

SampleID : DAILY BLANK
Data File: 2M74198.D
Acq On : 10/24/11 15:29

Operator : WP
Sam Mult : 1 Vial# : 21
Misc : M,MEOH

Qt Meth : 2M_A1024.M
Qt On : 10/25/11 13:14
Qt Upd On: 10/25/11 13:12

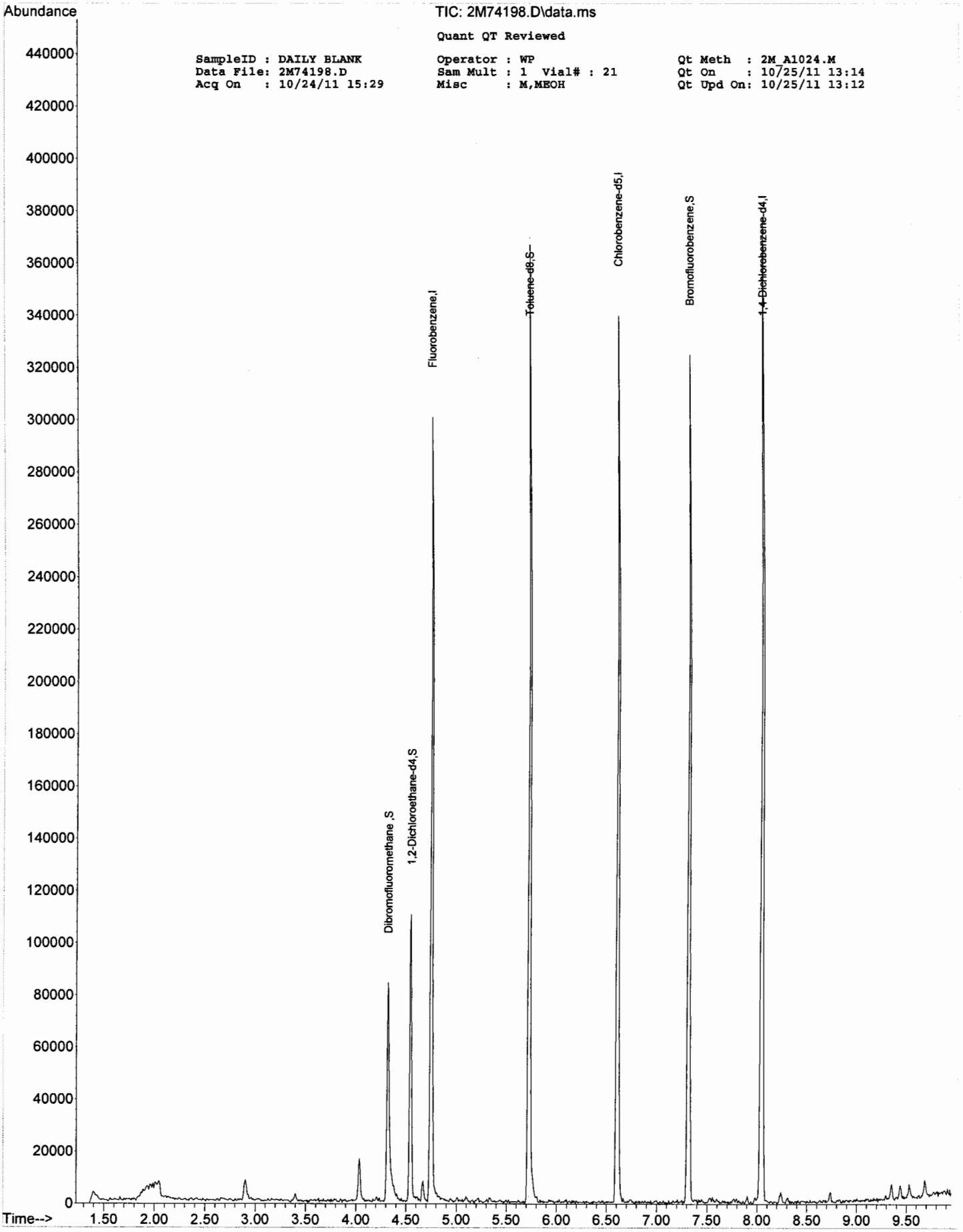
Data Path : G:\GcMsData\2011\GCMS_2\Data\10-24-11\
Qt Path : G:\GCMSDATA\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.749	96	178207	30.00	ug/l	0.00
54) Chlorobenzene-d5	6.606	117	148579	30.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	8.042	152	98751	30.00	ug/l	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	4.316	111	45171	28.45	ug/l	0.00
Spiked Amount 30.000			Recovery = 94.83%			
41) 1,2-Dichloroethane-d4	4.545	67	27596	30.36	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.20%			
68) Toluene-d8	5.722	98	170034	29.12	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.07%			
78) Bromofluorobenzene	7.315	174	92494	27.77	ug/l	0.00
Spiked Amount 30.000			Recovery = 92.57%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

K


Abundance
TIC: 2M74198.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 2M74198.D
Acq On : 10/24/11 15:29
Operator : WP
Sam Mult : 1 Vial# : 21
Misc : M,MEOH
Qt Meth : 2M_A1024.M
Qt On : 10/25/11 13:14
Qt Upd On: 10/25/11 13:12
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 3M01043.D
Analysis Date: 10/26/11 08:15
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U	124-48-1	Dibromochloromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	100-41-4	Ethylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U	136777612	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2	Methylene Chloride	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
106-46-7	1,4-Dichlorobenzene	1.0	U	104-51-8	n-Butylbenzene	1.0	U
123-91-1	1,4-Dioxane	50	U	103-65-1	n-Propylbenzene	1.0	U
78-93-3	2-Butanone	1.0	U	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	U	135-98-8	sec-Butylbenzene	1.0	U
591-78-6	2-Hexanone	1.0	U	100-42-5	Styrene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	98-06-6	t-Butylbenzene	1.0	U
67-64-1	Acetone	5.9	U	127-18-4	Tetrachloroethene	1.0	U
107-02-8	Acrolein	5.0	U	108-88-3	Toluene	1.0	U
107-13-1	Acrylonitrile	1.1	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-27-4	Bromodichloromethane	0.61	U	79-01-6	Trichloroethene	1.0	U
75-25-2	Bromoform	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
74-83-9	Bromomethane	1.0	U	75-01-4	Vinyl Chloride	1.0	U
75-15-0	Carbon Disulfide	1.0	U				

Worksheet #: 208057

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

Quantitation Report (QT Reviewed)

SampleID : DAILY BLANK
Data File: 3M01043.D
Acq On : 10/26/11 08:15

Operator : WP
Sam Mult : 1 Vial# : 13
Misc : A,5ML

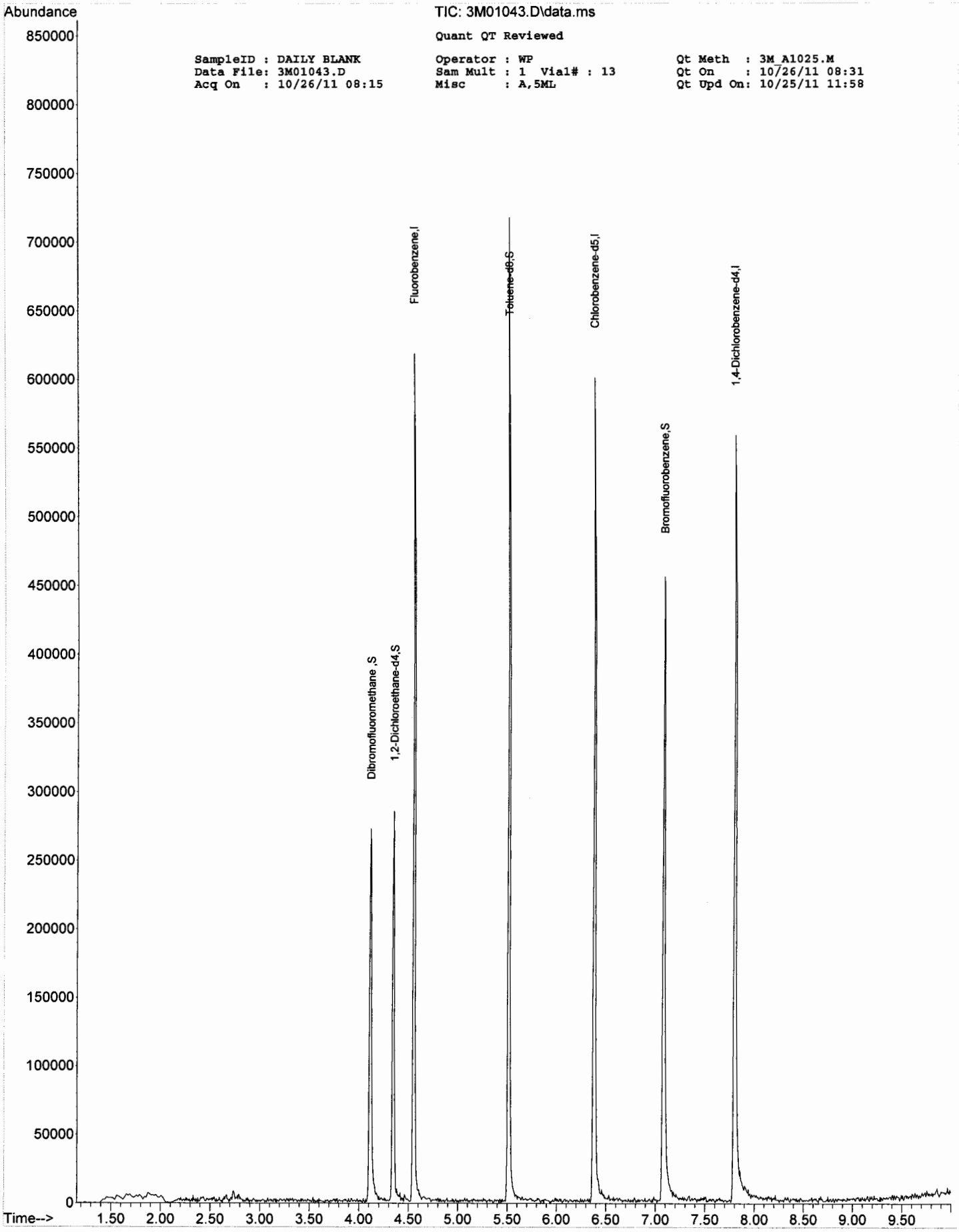
Qt Meth : 3M_A1025.M
Qt On : 10/26/11 08:31
Qt Upd On: 10/25/11 11:58

Data Path : G:\GcMsData\2011\GCMS_3\Data\10-26-11\
Qt Path : G:\GcMsData\2011\GCMS_3\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.550	96	299284	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.379	117	225513	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.799	152	136600	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.111	111	118591	33.64	ug/l	0.00
Spiked Amount 30.000			Recovery = 112.13%			
38) 1,2-Dichloroethane-d4	4.345	67	69664	34.09	ug/l	0.00
Spiked Amount 30.000			Recovery = 113.63%			
65) Toluene-d8	5.513	98	300810	30.99	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.30%			
75) Bromofluorobenzene	7.083	174	121327	31.50	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.00%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 3M01043.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 3M01043.D
Acq On : 10/26/11 08:15
Operator : WP
Sam Mult : 1 Vial# : 13
Misc : A,5ML
Qt Meth : 3M_A1025.M
Qt On : 10/26/11 08:31
Qt Upd On: 10/25/11 11:58
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 3M01132.D
Analysis Date: 10/27/11 09:35
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U	124-48-1	Dibromochloromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	100-41-4	Ethylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U	136777612	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2	Methylene Chloride	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
106-46-7	1,4-Dichlorobenzene	1.0	U	104-51-8	n-Butylbenzene	1.0	U
123-91-1	1,4-Dioxane	50	U	103-65-1	n-Propylbenzene	1.0	U
78-93-3	2-Butanone	1.0	U	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	U	135-98-8	sec-Butylbenzene	1.0	U
591-78-6	2-Hexanone	1.0	U	100-42-5	Styrene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	98-06-6	t-Butylbenzene	1.0	U
67-64-1	Acetone	5.9	U	127-18-4	Tetrachloroethene	1.0	U
107-02-8	Acrolein	5.0	U	108-88-3	Toluene	1.0	U
107-13-1	Acrylonitrile	1.1	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-27-4	Bromodichloromethane	0.61	U	79-01-6	Trichloroethene	1.0	U
75-25-2	Bromoform	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
74-83-9	Bromomethane	1.0	U	75-01-4	Vinyl Chloride	1.0	U
75-15-0	Carbon Disulfide	1.0	U				

Worksheet #: 208057

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

Quantitation Report (QT Reviewed)

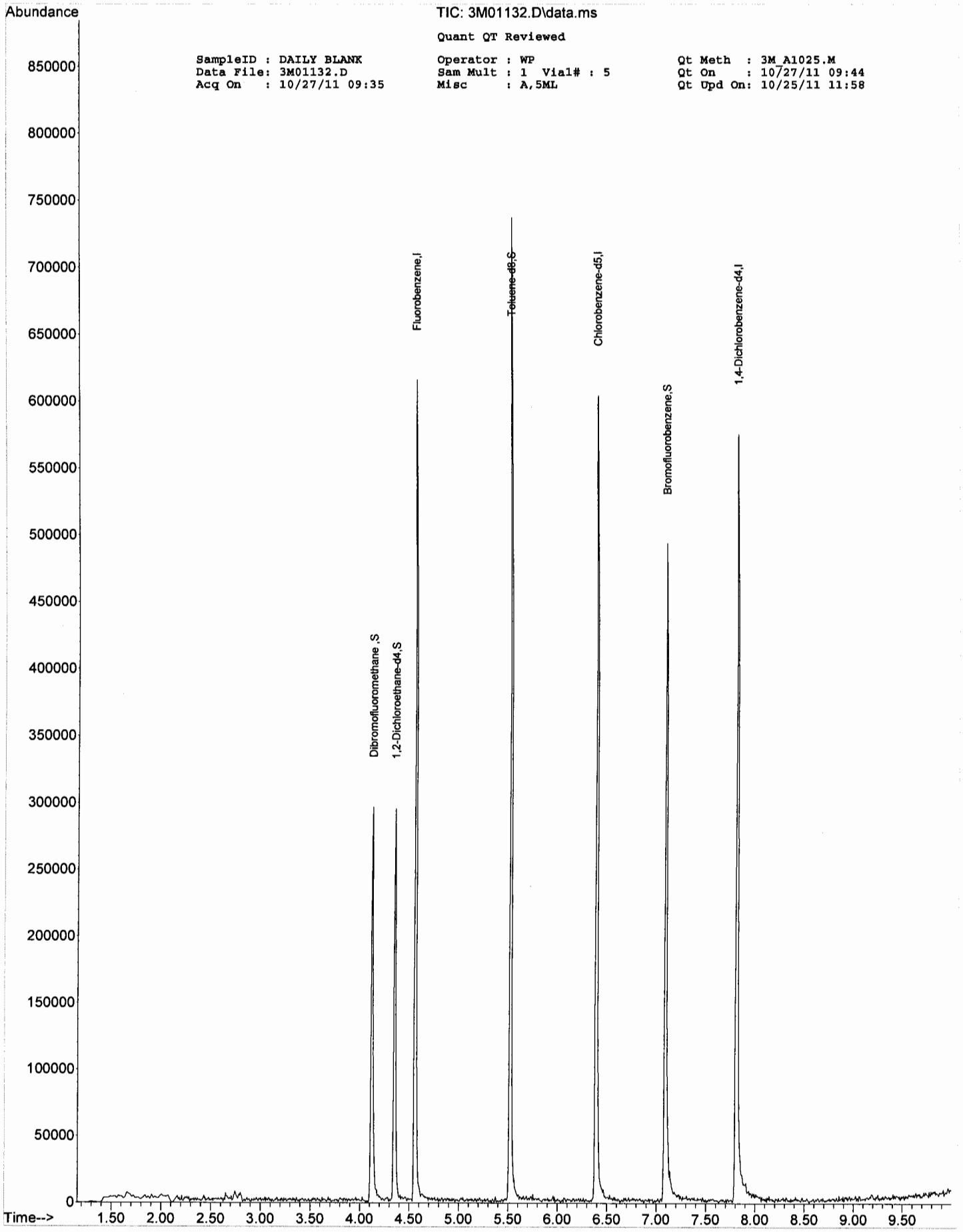
SampleID : DAILY BLANK
Data File: 3M01132.D
Acq On : 10/27/11 09:35
Operator : WP
Sam Mult : 1 Vial# : 5
Misc : A,5ML
Qt Meth : 3M_A1025.M
Qt On : 10/27/11 09:44
Qt Upd On: 10/25/11 11:58

Data Path : G:\GcMsData\2011\GCMS_3\Data\10-27-11\
Qt Path : G:\GcMsData\2011\GCMS_3\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.563	96	328132	30.00	ug/l	0.01
51) Chlorobenzene-d5	6.392	117	256044	30.00	ug/l	0.01
69) 1,4-Dichlorobenzene-d4	7.812	152	146635	30.00	ug/l	0.02
System Monitoring Compounds						
36) Dibromofluoromethane	4.123	111	119688	30.97	ug/l	0.01
Spiked Amount 30.000			Recovery = 103.23%			
38) 1,2-Dichloroethane-d4	4.352	67	69708	31.12	ug/l	0.01
Spiked Amount 30.000			Recovery = 103.73%			
65) Toluene-d8	5.519	98	318269	28.88	ug/l	0.01
Spiked Amount 30.000			Recovery = 96.27%			
75) Bromofluorobenzene	7.090	174	117754	28.48	ug/l	0.01
Spiked Amount 30.000			Recovery = 94.93%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 3M01132.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 3M01132.D
Acq On : 10/27/11 09:35
Operator : WP
Sam Mult : 1 Vial# : 5
Misc : A,5ML
Qt Meth : 3M_A1025.M
Qt On : 10/27/11 09:44
Qt Upd On: 10/25/11 11:58
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

FORM2

Surrogate Recovery

Method: EPA 8260B

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column0 S5 Recov	Column0 S6 Recov
1M74872.D	DAILY BLANK	Soil	10/24/11 08:29	1		126	117	98	98		
2M73970.D	DAILY BLANK	Methanol	10/19/11 10:56	1		82	92	103	93		
2M74198.D	DAILY BLANK	Methanol	10/24/11 15:29	1		95	101	97	93		
2M74244.D	DAILY BLANK	Methanol	10/25/11 13:42	1		91	103	93	91		
3M00773.D	DAILY BLANK	Aqueous	10/21/11 10:25	1		108	113	100	103		
3M01043.D	DAILY BLANK	Aqueous	10/26/11 08:15	1		112	114	103	105		
3M01132.D	DAILY BLANK	Aqueous	10/27/11 09:35	1		103	104	96	95		
1M74886.D	AC62229-001	Soil	10/24/11 12:20	1		133	105	86	87		
2M74213.D	AC62229-002(	Methanol	10/24/11 19:42	1		101	101	98	94		
2M74215.D	AC62229-003(	Methanol	10/24/11 20:16	1		99	100	94	91		
1M74887.D	AC62229-004	Soil	10/24/11 12:36	1		136	116	95	95		
1M74888.D	AC62229-005	Soil	10/24/11 12:53	1		119	109	91	88		
1M74901.D	AC62229-006	Soil	10/24/11 16:21	1		90	97	91	71		
3M01066.D	AC62229-007	Aqueous	10/26/11 14:49	1		113	104	97	103		
3M01134.D	AC62229-008	Aqueous	10/27/11 10:08	1		101	113	97	97		
1M74873.D	MBS12172	Soil	10/24/11 08:45	1		109	118	95	95		
1M74899.D	MBS12183	Soil	10/24/11 15:49	1		95	104	91	85		
1M74902.D	AC62229-004(	Soil	10/24/11 16:37	1		91	101	102	82		
1M74903.D	AC62229-004(	Soil	10/24/11 16:53	1		91	102	99	82		
2M73980.D	AC62167-009	Methanol	10/19/11 13:40	1		73	89	102	89		
2M73987.D	MBS12136	Methanol	10/19/11 15:36	1		85	93	98	96		
2M74200.D	MBS12184	Methanol	10/24/11 16:02	1		96	98	98	92		
2M74247.D	MBS12200	Methanol	10/25/11 15:01	1		94	98	97	91		
2M74272.D	AC62167-009(	Methanol	10/25/11 21:50	1		96	102	94	90		
2M74274.D	AC62167-009(	Methanol	10/25/11 22:23	1		94	101	98	92		
3M00776.D	MBS12165	Aqueous	10/21/11 11:14	1		102	112	103	97		
3M00781.D	AC62208-001	Aqueous	10/21/11 12:35	1		115	112	94	100		
3M00797.D	AC62208-001(	Aqueous	10/21/11 16:52	1		109	117	98	101		
3M00798.D	AC62208-001(	Aqueous	10/21/11 17:09	1		110	114	98	101		
3M00802.D	MBS12174	Aqueous	10/21/11 18:15	1		109	107	101	99		
3M00811.D	MBS12175	Aqueous	10/21/11 20:56	1		111	115	96	102		
3M01045.D	MBS12214	Aqueous	10/26/11 08:47	1		103	107	102	100		
3M01135.D	MBS12224	Aqueous	10/27/11 10:25	1		105	104	101	98		
3M01151.D	MBS12229	Aqueous	10/27/11 14:54	1		105	106	98	102		
3M01156.D	MBS12235	Aqueous	10/27/11 16:18	1		106	106	100	98		
3M01170.D	MBS12236	Aqueous	10/27/11 20:22	1		108	106	99	103		

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: EPA 8260B

Soil Limits

Compound	Spike Amt	Limits
S1=Dibromofluoromethane	30	63-140
S2=1,2-Dichloroethane-d4	30	63-143
S3=Toluene-d8	30	68-122
S4=Bromofluorobenzene	30	64-129

Aqueous Limits

Compound	Spike Amt	Limits
S1=Dibromofluoromethane	30	73-131
S2=1,2-Dichloroethane-d4	30	78-128
S3=Toluene-d8	30	79-111
S4=Bromofluorobenzene	30	82-112

Form3
Recovery Data
QC Batch: MBS12136

	Data File	Sample ID:	Analysis Date
Spike or Dup:	2M73987.D	MBS12136	10/19/2011 3:36:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Methanol QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	17.8594	0	20	89	20	130
1,1-Dichloroethene	1	13.2551	0	20	66	50	130
1,1-Dichloroethane	1	13.7927	0	20	69	50	130
Chloroform	1	13.2572	0	20	66	50	130
1,2-Dichloroethane	1	13.5433	0	20	68	50	130
2-Butanone	1	10.2361	0	20	51	20	130
Carbon Tetrachloride	1	11.2872	0	20	56	50	130
Trichloroethene	1	14.8347	0	20	74	50	130
Benzene	1	15.8576	0	20	79	50	130
Tetrachloroethene	1	16.8772	0	20	84	50	130
Toluene	1	17.0261	0	20	85	50	130
Chlorobenzene	1	17.4025	0	20	87	50	130
1,4-Dichlorobenzene	1	17.6567	0	20	88	50	130
1,2-Dichlorobenzene	1	17.0776	0	20	85	50	130
n-Propylbenzene	1	20.2796	0	20	101	50	130
sec-Butylbenzene	1	19.3774	0	20	97	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS12165

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M00776.D	MBS12165	10/21/2011 11:14:00 A
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	13.6689	0	20	68	20	130
1,1-Dichloroethene	1	15.7317	0	20	79	50	130
1,1-Dichloroethane	1	14.1926	0	20	71	50	130
Chloroform	1	16.2992	0	20	81	50	130
1,2-Dichloroethane	1	14.2715	0	20	71	50	130
2-Butanone	1	14.0229	0	20	70	20	130
Carbon Tetrachloride	1	17.9899	0	20	90	50	130
Trichloroethene	1	14.8111	0	20	74	50	130
Benzene	1	16.7247	0	20	84	50	130
Tetrachloroethene	1	16.2558	0	20	81	50	130
Toluene	1	15.7571	0	20	79	50	130
Chlorobenzene	1	14.9898	0	20	75	50	130
1,4-Dichlorobenzene	1	13.4566	0	20	67	50	130
1,2-Dichlorobenzene	1	13.4841	0	20	67	50	130
n-Propylbenzene	1	15.3132	0	20	77	50	130
sec-Butylbenzene	1	14.8801	0	20	74	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS12172

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M74873.D	MBS12172	10/24/2011 8:45:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Soil QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	50.5456	0	50	101	20	130
1,1-Dichloroethene	1	46.3671	0	50	93	50	130
1,1-Dichloroethane	1	45.5417	0	50	91	50	130
Chloroform	1	47.6926	0	50	95	50	130
1,2-Dichloroethane	1	46.555	0	50	93	50	130
2-Butanone	1	42.6293	0	50	85	20	130
Carbon Tetrachloride	1	56.5366	0	50	113	50	130
Trichloroethene	1	62.0448	0	50	124	50	130
Benzene	1	46.0941	0	50	92	50	130
Tetrachloroethene	1	42.9811	0	50	86	50	130
Toluene	1	42.0553	0	50	84	50	130
Chlorobenzene	1	44.3249	0	50	89	50	130
1,4-Dichlorobenzene	1	41.0224	0	50	82	50	130
1,2-Dichlorobenzene	1	40.7205	0	50	81	50	130
n-Propylbenzene	1	45.8562	0	50	92	50	130
sec-Butylbenzene	1	42.5451	0	50	85	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS12174

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M00802.D	MBS12174	10/21/2011 6:15:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	19.4705	0	20	97	20	130
1,1-Dichloroethene	1	20.1942	0	20	101	50	130
1,1-Dichloroethane	1	18.5684	0	20	93	50	130
Chloroform	1	21.0542	0	20	105	50	130
1,2-Dichloroethane	1	18.8117	0	20	94	50	130
2-Butanone	1	17.4762	0	20	87	20	130
Carbon Tetrachloride	1	23.4689	0	20	117	50	130
Trichloroethene	1	18.9484	0	20	95	50	130
Benzene	1	21.1056	0	20	106	50	130
Tetrachloroethene	1	19.9148	0	20	100	50	130
Toluene	1	18.5637	0	20	93	50	130
Chlorobenzene	1	18.339	0	20	92	50	130
1,4-Dichlorobenzene	1	16.1226	0	20	81	50	130
1,2-Dichlorobenzene	1	15.8362	0	20	79	50	130
n-Propylbenzene	1	18.8182	0	20	94	50	130
sec-Butylbenzene	1	18.4957	0	20	92	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS12175

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M00811.D	MBS12175	10/21/2011 8:56:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	16.7139	0	20	84	20	130
1,1-Dichloroethene	1	17.303	0	20	87	50	130
1,1-Dichloroethane	1	16.7638	0	20	84	50	130
Chloroform	1	18.9926	0	20	95	50	130
1,2-Dichloroethane	1	16.6418	0	20	83	50	130
2-Butanone	1	14.136	0	20	71	20	130
Carbon Tetrachloride	1	19.8945	0	20	99	50	130
Trichloroethene	1	18.2905	0	20	91	50	130
Benzene	1	18.6903	0	20	93	50	130
Tetrachloroethene	1	17.0688	0	20	85	50	130
Toluene	1	16.4871	0	20	82	50	130
Chlorobenzene	1	15.7986	0	20	79	50	130
1,4-Dichlorobenzene	1	14.9952	0	20	75	50	130
1,2-Dichlorobenzene	1	14.4465	0	20	72	50	130
n-Propylbenzene	1	17.6831	0	20	88	50	130
sec-Butylbenzene	1	16.6103	0	20	83	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS12183

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M74899.D	MBS12183	10/24/2011 3:49:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Soil QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	41.7984	0	50	84	20	130
1,1-Dichloroethene	1	40.9981	0	50	82	50	130
1,1-Dichloroethane	1	41.1115	0	50	82	50	130
Chloroform	1	42.6526	0	50	85	50	130
1,2-Dichloroethane	1	41.3741	0	50	83	50	130
2-Butanone	1	42.8084	0	50	86	20	130
Carbon Tetrachloride	1	39.2571	0	50	79	50	130
Trichloroethene	1	49.3634	0	50	99	50	130
Benzene	1	46.204	0	50	92	50	130
Tetrachloroethene	1	30.5997	0	50	61	50	130
Toluene	1	40.8986	0	50	82	50	130
Chlorobenzene	1	40.1141	0	50	80	50	130
1,4-Dichlorobenzene	1	37.1895	0	50	74	50	130
1,2-Dichlorobenzene	1	35.7863	0	50	72	50	130
n-Propylbenzene	1	50.9365	0	50	102	50	130
sec-Butylbenzene	1	44.4186	0	50	89	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS12184

	Data File	Sample ID:	Analysis Date
Spike or Dup:	2M74200.D	MBS12184	10/24/2011 4:02:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Methanol QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	12.095	0	20	60	20	130
1,1-Dichloroethene	1	10.7289	0	20	54	50	130
1,1-Dichloroethane	1	9.9807	0	20	50	50	130
Chloroform	1	11.2495	0	20	56	50	130
1,2-Dichloroethane	1	15.8015	0	20	79	50	130
2-Butanone	1	14.8187	0	20	74	20	130
Carbon Tetrachloride	1	10.0778	0	20	50	50	130
Trichloroethene	1	14.3519	0	20	72	50	130
Benzene	1	15.9103	0	20	80	50	130
Tetrachloroethene	1	16.6334	0	20	83	50	130
Toluene	1	14.5918	0	20	73	50	130
Chlorobenzene	1	14.8139	0	20	74	50	130
1,4-Dichlorobenzene	1	14.2713	0	20	71	50	130
1,2-Dichlorobenzene	1	13.6365	0	20	68	50	130
n-Propylbenzene	1	11.593	0	20	58	50	130
sec-Butylbenzene	1	11.988	0	20	60	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS12200

	Data File	Sample ID:	Analysis Date
Spike or Dup:	2M74247.D	MBS12200	10/25/2011 3:01:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Methanol QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	21.4597	0	20	107	20	130
1,1-Dichloroethene	1	17.2922	0	20	86	50	130
1,1-Dichloroethane	1	18.4417	0	20	92	50	130
Chloroform	1	19.5687	0	20	98	50	130
1,2-Dichloroethane	1	20.8132	0	20	104	50	130
2-Butanone	1	25.122	0	20	126	20	130
Carbon Tetrachloride	1	16.9236	0	20	85	50	130
Trichloroethene	1	23.6702	0	20	118	50	130
Benzene	1	25.0107	0	20	125	50	130
Tetrachloroethene	1	21.9298	0	20	110	50	130
Toluene	1	23.1422	0	20	116	50	130
Chlorobenzene	1	24.7226	0	20	124	50	130
1,4-Dichlorobenzene	1	24.3718	0	20	122	50	130
1,2-Dichlorobenzene	1	23.9606	0	20	120	50	130
n-Propylbenzene	1	18.008	0	20	90	50	130
sec-Butylbenzene	1	17.9758	0	20	90	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS12214

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M01045.D	MBS12214	10/26/2011 8:47:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	20.0329	0	20	100	20	130
1,1-Dichloroethene	1	20.1402	0	20	101	50	130
1,1-Dichloroethane	1	19.4127	0	20	97	50	130
Chloroform	1	19.5131	0	20	98	50	130
1,2-Dichloroethane	1	19.0261	0	20	95	50	130
2-Butanone	1	20.2884	0	20	101	20	130
Carbon Tetrachloride	1	21.4809	0	20	107	50	130
Trichloroethene	1	19.8438	0	20	99	50	130
Benzene	1	18.4635	0	20	92	50	130
Tetrachloroethene	1	20.8229	0	20	104	50	130
Toluene	1	19.2244	0	20	96	50	130
Chlorobenzene	1	20.0875	0	20	100	50	130
1,4-Dichlorobenzene	1	18.8231	0	20	94	50	130
1,2-Dichlorobenzene	1	18.3628	0	20	92	50	130
n-Propylbenzene	1	18.9281	0	20	95	50	130
sec-Butylbenzene	1	19.5502	0	20	98	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS12224

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M01135.D	MBS12224	10/27/2011 10:25:00 A
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	13.2048	0	20	66	20	130
1,1-Dichloroethene	1	19.4703	0	20	97	50	130
1,1-Dichloroethane	1	19.1634	0	20	96	50	130
Chloroform	1	18.7564	0	20	94	50	130
1,2-Dichloroethane	1	18.9444	0	20	95	50	130
2-Butanone	1	18.5453	0	20	93	20	130
Carbon Tetrachloride	1	20.418	0	20	102	50	130
Trichloroethene	1	18.9394	0	20	95	50	130
Benzene	1	17.9053	0	20	90	50	130
Tetrachloroethene	1	19.7379	0	20	99	50	130
Toluene	1	17.9176	0	20	90	50	130
Chlorobenzene	1	18.7503	0	20	94	50	130
1,4-Dichlorobenzene	1	16.3947	0	20	82	50	130
1,2-Dichlorobenzene	1	17.7475	0	20	89	50	130
n-Propylbenzene	1	17.6487	0	20	88	50	130
sec-Butylbenzene	1	18.0682	0	20	90	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS12229

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M01151.D	MBS12229	10/27/2011 2:54:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	13.452	0	20	67	20	130
1,1-Dichloroethene	1	18.9063	0	20	95	50	130
1,1-Dichloroethane	1	18.1196	0	20	91	50	130
Chloroform	1	19.0736	0	20	95	50	130
1,2-Dichloroethane	1	18.9311	0	20	95	50	130
2-Butanone	1	22.9606	0	20	115	20	130
Carbon Tetrachloride	1	21.2706	0	20	106	50	130
Trichloroethene	1	18.3472	0	20	92	50	130
Benzene	1	17.5884	0	20	88	50	130
Tetrachloroethene	1	19.195	0	20	96	50	130
Toluene	1	18.4357	0	20	92	50	130
Chlorobenzene	1	18.0767	0	20	90	50	130
1,4-Dichlorobenzene	1	16.8585	0	20	84	50	130
1,2-Dichlorobenzene	1	18.2882	0	20	91	50	130
n-Propylbenzene	1	18.5232	0	20	93	50	130
sec-Butylbenzene	1	18.0856	0	20	90	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS12235

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M01156.D	MBS12235	10/27/2011 4:18:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	12.8881	0	20	64	20	130
1,1-Dichloroethene	1	18.9987	0	20	95	50	130
1,1-Dichloroethane	1	17.911	0	20	90	50	130
Chloroform	1	18.3654	0	20	92	50	130
1,2-Dichloroethane	1	18.2448	0	20	91	50	130
2-Butanone	1	18.5746	0	20	93	20	130
Carbon Tetrachloride	1	20.7992	0	20	104	50	130
Trichloroethene	1	18.8881	0	20	94	50	130
Benzene	1	17.8925	0	20	89	50	130
Tetrachloroethene	1	18.6908	0	20	93	50	130
Toluene	1	17.8765	0	20	89	50	130
Chlorobenzene	1	18.2497	0	20	91	50	130
1,4-Dichlorobenzene	1	16.1131	0	20	81	50	130
1,2-Dichlorobenzene	1	16.4856	0	20	82	50	130
n-Propylbenzene	1	18.0424	0	20	90	50	130
sec-Butylbenzene	1	17.4692	0	20	87	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS12236

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M01170.D	MBS12236	10/27/2011 8:22:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	20.1793	0	20	101	20	130
1,1-Dichloroethene	1	20.973	0	20	105	50	130
1,1-Dichloroethane	1	18.1401	0	20	91	50	130
Chloroform	1	19.3342	0	20	97	50	130
1,2-Dichloroethane	1	19.2684	0	20	96	50	130
2-Butanone	1	20.2834	0	20	101	20	130
Carbon Tetrachloride	1	20.3669	0	20	102	50	130
Trichloroethene	1	20.2209	0	20	101	50	130
Benzene	1	17.7631	0	20	89	50	130
Tetrachloroethene	1	18.2034	0	20	91	50	130
Toluene	1	16.879	0	20	84	50	130
Chlorobenzene	1	18.1039	0	20	91	50	130
1,4-Dichlorobenzene	1	16.1735	0	20	81	50	130
1,2-Dichlorobenzene	1	16.9337	0	20	85	50	130
n-Propylbenzene	1	18.4666	0	20	92	50	130
sec-Butylbenzene	1	17.6033	0	20	88	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS12165

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M00797.D	AC62208-001(MS)	10/21/2011 4:52:00 PM
Non Spike(If applicable):	3M00781.D	AC62208-001	10/21/2011 12:35:00 P
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	17.3288	0	20	87	20	130
1,1-Dichloroethene	1	15.0341	0	20	75	50	130
1,1-Dichloroethane	1	14.612	0	20	73	50	130
Chloroform	1	16.8054	0	20	84	50	130
1,2-Dichloroethane	1	12.4117	0	20	62	50	130
2-Butanone	1	19.0982	0	20	95	20	130
Carbon Tetrachloride	1	17.9321	0	20	90	50	130
Trichloroethene	1	13.6942	0	20	68	50	130
Benzene	1	15.3238	0	20	77	50	130
Tetrachloroethene	1	14.0776	0	20	70	50	130
Toluene	1	14.3314	0	20	72	50	130
Chlorobenzene	1	13.3712	0	20	67	50	130
1,4-Dichlorobenzene	1	11.757	0	20	59	50	130
1,2-Dichlorobenzene	1	11.8654	0	20	59	50	130
n-Propylbenzene	1	12.9105	0	20	65	50	130
sec-Butylbenzene	1	10.7011	0	20	54	50	130

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M00798.D	AC62208-001(MSD)	10/21/2011 5:09:00 PM
Non Spike(If applicable):	3M00781.D	AC62208-001	10/21/2011 12:35:00 P
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	15.9818	0	20	80	20	130
1,1-Dichloroethene	1	14.2292	0	20	71	50	130
1,1-Dichloroethane	1	13.7686	0	20	69	50	130
Chloroform	1	15.677	0	20	78	50	130
1,2-Dichloroethane	1	13.535	0	20	68	50	130
2-Butanone	1	19.955	0	20	100	20	130
Carbon Tetrachloride	1	16.8344	0	20	84	50	130
Trichloroethene	1	13.6009	0	20	68	50	130
Benzene	1	15.6417	0	20	78	50	130
Tetrachloroethene	1	12.7	0	20	64	50	130
Toluene	1	13.9362	0	20	70	50	130
Chlorobenzene	1	13.5953	0	20	68	50	130
1,4-Dichlorobenzene	1	12.4048	0	20	62	50	130
1,2-Dichlorobenzene	1	11.6888	0	20	58	50	130
n-Propylbenzene	1	13.2812	0	20	66	50	130
sec-Butylbenzene	1	12.039	0	20	60	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
RPD DATA
QC Batch: MBS12165

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M00798.D	AC62208-001(MSD)	10/21/2011 5:09:00 PM
Duplicate(If applicable):	3M00797.D	AC62208-001(MS)	10/21/2011 4:52:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Vinyl Chloride	1	15.9818	17.3288	8.1	40
1,1-Dichloroethene	1	14.2292	15.0341	5.5	40
1,1-Dichloroethane	1	13.7686	14.612	5.9	40
Chloroform	1	15.677	16.8054	6.9	40
1,2-Dichloroethane	1	13.535	12.4117	8.7	40
2-Butanone	1	19.955	19.0982	4.4	40
Carbon Tetrachloride	1	16.8344	17.9321	6.3	40
Trichloroethene	1	13.6009	13.6942	0.68	40
Benzene	1	15.6417	15.3238	2.1	40
Tetrachloroethene	1	12.7	14.0776	10	40
Toluene	1	13.9362	14.3314	2.8	40
Chlorobenzene	1	13.5953	13.3712	1.7	40
1,4-Dichlorobenzene	1	12.4048	11.757	5.4	40
1,2-Dichlorobenzene	1	11.6888	11.8654	1.5	40
n-Propylbenzene	1	13.2812	12.9105	2.8	40
sec-Butylbenzene	1	12.039	10.7011	12	40

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Form3
Recovery Data
QC Batch: MBS12183

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M74902.D	AC62229-004(MS)	10/24/2011 4:37:00 PM
Non Spike(If applicable):	1M74887.D	AC62229-004	10/24/2011 12:36:00 P
Inst Blank(If applicable):			

Method: 8260 Matrix: Soil QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	40.3159	0	50	81	20	130
1,1-Dichloroethene	1	36.6715	0	50	73	50	130
1,1-Dichloroethane	1	36.4235	0	50	73	50	130
Chloroform	1	36.0022	0	50	72	50	130
1,2-Dichloroethane	1	36.3023	0	50	73	50	130
2-Butanone	1	39.1394	0	50	78	20	130
Carbon Tetrachloride	1	34.0335	0	50	68	50	130
Trichloroethene	1	45.226	0	50	90	50	130
Benzene	1	40.2168	0	50	80	50	130
Tetrachloroethene	1	29.7575	0	50	60	50	130
Toluene	1	41.5087	0	50	83	50	130
Chlorobenzene	1	36.3011	0	50	73	50	130
1,4-Dichlorobenzene	1	32.6103	0	50	65	50	130
1,2-Dichlorobenzene	1	30.4378	0	50	61	50	130
n-Propylbenzene	1	36.7736	0	50	74	50	130
sec-Butylbenzene	1	34.915	0	50	70	50	130

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M74903.D	AC62229-004(MSD)	10/24/2011 4:53:00 PM
Non Spike(If applicable):	1M74887.D	AC62229-004	10/24/2011 12:36:00 P
Inst Blank(If applicable):			

Method: 8260 Matrix: Soil QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	38.7221	0	50	77	20	130
1,1-Dichloroethene	1	37.3874	0	50	75	50	130
1,1-Dichloroethane	1	37.4217	0	50	75	50	130
Chloroform	1	38.1016	0	50	76	50	130
1,2-Dichloroethane	1	36.0411	0	50	72	50	130
2-Butanone	1	37.7251	0	50	75	20	130
Carbon Tetrachloride	1	36.9228	0	50	74	50	130
Trichloroethene	1	47.178	0	50	94	50	130
Benzene	1	40.5786	0	50	81	50	130
Tetrachloroethene	1	28.5933	0	50	57	50	130
Toluene	1	37.6947	0	50	75	50	130
Chlorobenzene	1	35.5892	0	50	71	50	130
1,4-Dichlorobenzene	1	31.8737	0	50	64	50	130
1,2-Dichlorobenzene	1	30.8166	0	50	62	50	130
n-Propylbenzene	1	38.1118	0	50	76	50	130
sec-Butylbenzene	1	38.092	0	50	76	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
RPD DATA
QC Batch: MBS12183

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M74903.D	AC62229-004(MSD)	10/24/2011 4:53:00 PM
Duplicate(If applicable):	1M74902.D	AC62229-004(MS)	10/24/2011 4:37:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Soil QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Vinyl Chloride	1	38.7221	40.3159	4	40
1,1-Dichloroethene	1	37.3874	36.6715	1.9	40
1,1-Dichloroethane	1	37.4217	36.4235	2.7	40
Chloroform	1	38.1016	36.0022	5.7	40
1,2-Dichloroethane	1	36.0411	36.3023	0.72	40
2-Butanone	1	37.7251	39.1394	3.7	40
Carbon Tetrachloride	1	36.9228	34.0335	8.1	40
Trichloroethene	1	47.178	45.226	4.2	40
Benzene	1	40.5786	40.2168	0.9	40
Tetrachloroethene	1	28.5933	29.7575	4	40
Toluene	1	37.6947	41.5087	9.6	40
Chlorobenzene	1	35.5892	36.3011	2	40
1,4-Dichlorobenzene	1	31.8737	32.6103	2.3	40
1,2-Dichlorobenzene	1	30.8166	30.4378	1.2	40
n-Propylbenzene	1	38.1118	36.7736	3.6	40
sec-Butylbenzene	1	38.092	34.915	8.7	40

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Form3
Recovery Data
QC Batch: MBS12200

	Data File	Sample ID:	Analysis Date
Spike or Dup:	2M74272.D	AC62167-009(MS)	10/25/2011 9:50:00 PM
Non Spike(If applicable):	2M73980.D	AC62167-009	10/19/2011 1:40:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Methanol QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	21.6025	0	20	108	20	130
1,1-Dichloroethene	1	18.1417	0	20	91	50	130
1,1-Dichloroethane	1	17.5781	0	20	88	50	130
Chloroform	1	17.1895	0	20	86	50	130
1,2-Dichloroethane	1	15.7862	0	20	79	50	130
2-Butanone	1	18.7658	0	20	94	20	130
Carbon Tetrachloride	1	16.2269	0	20	81	50	130
Trichloroethene	1	22.2195	0	20	111	50	130
Benzene	1	23.1763	0	20	116	50	130
Tetrachloroethene	1	20.5721	0	20	103	50	130
Toluene	1	20.0176	0	20	100	50	130
Chlorobenzene	1	21.4116	0	20	107	50	130
1,4-Dichlorobenzene	1	21.2978	0	20	106	50	130
1,2-Dichlorobenzene	1	19.8187	0	20	99	50	130
n-Propylbenzene	1	17.1979	0	20	86	50	130
sec-Butylbenzene	1	17.7715	0	20	89	50	130

	Data File	Sample ID:	Analysis Date
Spike or Dup:	2M74274.D	AC62167-009(MSD)	10/25/2011 10:23:00 P
Non Spike(If applicable):	2M73980.D	AC62167-009	10/19/2011 1:40:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Methanol QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	19.2449	0	20	96	20	130
1,1-Dichloroethene	1	16.2035	0	20	81	50	130
1,1-Dichloroethane	1	13.6279	0	20	68	50	130
Chloroform	1	16.5799	0	20	83	50	130
1,2-Dichloroethane	1	15.9606	0	20	80	50	130
2-Butanone	1	19.886	0	20	99	20	130
Carbon Tetrachloride	1	15.6025	0	20	78	50	130
Trichloroethene	1	20.829	0	20	104	50	130
Benzene	1	22.7399	0	20	114	50	130
Tetrachloroethene	1	20.0336	0	20	100	50	130
Toluene	1	20.2131	0	20	101	50	130
Chlorobenzene	1	20.679	0	20	103	50	130
1,4-Dichlorobenzene	1	20.7285	0	20	104	50	130
1,2-Dichlorobenzene	1	19.7622	0	20	99	50	130
n-Propylbenzene	1	16.7772	0	20	84	50	130
sec-Butylbenzene	1	16.8303	0	20	84	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
RPD DATA
QC Batch: MBS12200

	Data File	Sample ID:	Analysis Date
Spike or Dup:	2M74274.D	AC62167-009(MSD)	10/25/2011 10:23:00 P
Duplicate(If applicable):	2M74272.D	AC62167-009(MS)	10/25/2011 9:50:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Methanol QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Vinyl Chloride	1	19.2449	21.6025	12	40
1,1-Dichloroethene	1	16.2035	18.1417	11	40
1,1-Dichloroethane	1	13.6279	17.5781	25	40
Chloroform	1	16.5799	17.1895	3.6	40
1,2-Dichloroethane	1	15.9606	15.7862	1.1	40
2-Butanone	1	19.886	18.7658	5.8	40
Carbon Tetrachloride	1	15.6025	16.2269	3.9	40
Trichloroethene	1	20.829	22.2195	6.5	40
Benzene	1	22.7399	23.1763	1.9	40
Tetrachloroethene	1	20.0336	20.5721	2.7	40
Toluene	1	20.2131	20.0176	0.97	40
Chlorobenzene	1	20.679	21.4116	3.5	40
1,4-Dichlorobenzene	1	20.7285	21.2978	2.7	40
1,2-Dichlorobenzene	1	19.7622	19.8187	0.29	40
n-Propylbenzene	1	16.7772	17.1979	2.5	40
sec-Butylbenzene	1	16.8303	17.7715	5.4	40

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 2M73970.D
Matrix: Methanol

Blank Analysis Date: 10/19/11 10:56
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC62167-009	2M73980.D	10/19/11 13:40
MBS12136	2M73987.D	10/19/11 15:36

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 3M00773.D
Matrix: Aqueous

Blank Analysis Date: 10/21/11 10:25
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
MBS12165	3M00776.D	10/21/11 11:14
MBS12174	3M00802.D	10/21/11 18:15
MBS12175	3M00811.D	10/21/11 20:56
AC62208-001(MSD	3M00798.D	10/21/11 17:09
AC62208-001(MS)	3M00797.D	10/21/11 16:52
AC62208-001	3M00781.D	10/21/11 12:35

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 1M74872.D
Matrix: Soil

Blank Analysis Date: 10/24/11 08:29
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC62229-001	1M74886.D	10/24/11 12:20
AC62229-004	1M74887.D	10/24/11 12:36
AC62229-005	1M74888.D	10/24/11 12:53
AC62229-006	1M74901.D	10/24/11 16:21
MBS12183	1M74899.D	10/24/11 15:49
AC62229-004(MSD	1M74903.D	10/24/11 16:53
MBS12172	1M74873.D	10/24/11 08:45
AC62229-004(MS)	1M74902.D	10/24/11 16:37

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 2M74198.D
Matrix: Methanol

Blank Analysis Date: 10/24/11 15:29
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC62229-002(80uL	2M74213.D	10/24/11 19:42
AC62229-003(80uL	2M74215.D	10/24/11 20:16
MBS12184	2M74200.D	10/24/11 16:02

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 2M74244.D
Matrix: Methanol

Blank Analysis Date: 10/25/11 13:42
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC62167-009(MSD	2M74274.D	10/25/11 22:23
AC62167-009(MS)	2M74272.D	10/25/11 21:50
MBS12200	2M74247.D	10/25/11 15:01

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 3M01043.D
Matrix: Aqueous

Blank Analysis Date: 10/26/11 08:15
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC62229-007	3M01066.D	10/26/11 14:49
MBS12214	3M01045.D	10/26/11 08:47

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 3M01132.D
Matrix: Aqueous

Blank Analysis Date: 10/27/11 09:35
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC62229-008	3M01134.D	10/27/11 10:08
MBS12229	3M01151.D	10/27/11 14:54
MBS12235	3M01156.D	10/27/11 16:18
MBS12236	3M01170.D	10/27/11 20:22
MBS12224	3M01135.D	10/27/11 10:25

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 2

Data File: 2M72786.D
Analysis Date: 09/23/11 07:49
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.742 to 4.782 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	18.4	7155	PASS
75	95	30	60	42.7	16585	PASS
95	95	100	100	100.0	38847	PASS
96	95	5	9	7.0	2714	PASS
173	174	0.00	2	0.4	135	PASS
174	95	50	100	85.2	33085	PASS
175	174	5	9	8.5	2801	PASS
176	174	95	101	100.6	33289	PASS
177	176	5	9	6.3	2097	PASS

Data File	Sample Number	Analysis Date:
2M72787.D	BLKJUG#3	09/23/11 08:06
2M72788.D	CAL @ 1 PPB	09/23/11 08:23
2M72789.D	CAL @ 0.5 PPB	09/23/11 08:42
2M72790.D	CAL @ 5 PPB	09/23/11 09:01
2M72791.D	CAL @ 500 PPB	09/23/11 09:18
2M72792.D	CAL @ 250 PPB	09/23/11 09:34
2M72793.D	CAL @ 100 PPB	09/23/11 09:50
2M72794.D	CAL @ 50 PPB	09/23/11 10:06
2M72795.D	CAL @ 20 PPB	09/23/11 10:23
2M72796.D	CAL @ 10 PPB	09/23/11 10:39
2M72797.D	ICV	09/23/11 10:55
2M72798.D	BLK	09/23/11 11:12
2M72799.D	DAILY BLANK	09/23/11 11:29
2M72800.D	DAILY BLANK	09/23/11 11:47
2M72801.D	AC61375-003	09/23/11 12:03
2M72802.D	MBS11753	09/23/11 12:19
2M72803.D	MBS11754	09/23/11 12:36
2M72804.D	AC61678-001	09/23/11 12:52
2M72805.D	AC61678-002	09/23/11 13:08
2M72806.D	AC61678-003	09/23/11 13:24
2M72807.D	AC61678-004	09/23/11 13:40
2M72808.D	AC61678-005	09/23/11 13:57
2M72809.D	AC61660-003(50X)	09/23/11 14:13
2M72810.D	AC61660-004(50X)	09/23/11 14:29
2M72811.D	AC61601-001(T)	09/23/11 14:45
2M72812.D	AC61570-002(T)	09/23/11 15:01
2M72813.D	AC61601-001(T)	09/23/11 15:17
2M72814.D	AC61570-002(T)	09/23/11 15:34
2M72815.D	AC61586-001(T)	09/23/11 15:50
2M72816.D	AC61651-004	09/23/11 16:06
2M72817.D	AC61651-005	09/23/11 16:22
2M72818.D	AC61635-002	09/23/11 16:38
2M72819.D	AC61645-013	09/23/11 16:54
2M72820.D	AC61651-001	09/23/11 17:10
2M72821.D	AC61651-002	09/23/11 17:26
2M72822.D	AC61651-003	09/23/11 17:42
2M72823.D	AC61633-001	09/23/11 17:58
2M72824.D	AC61645-009(40uL	09/23/11 18:14
2M72825.D	EF-1-V-124677(092	09/23/11 18:30
2M72826.D	AC61676-004	09/23/11 18:46
2M72827.D	BLK	09/23/11 19:02
2M72828.D	AC61645-012	09/23/11 19:18
2M72829.D	AC61645-004	09/23/11 19:34
2M72830.D	AC61645-001	09/23/11 19:50
2M72831.D	BLK	09/23/11 20:06
2M72832.D	MBS11765	09/23/11 20:23
2M72833.D	AC61645-004(MS)	09/23/11 20:41
2M72834.D	AC61645-004(MSD	09/23/11 20:57
2M72835.D	BLK	09/23/11 21:17
2M72836.D	AC61659-010	09/23/11 21:33
2M72837.D	AC61659-011	09/23/11 21:49
2M72838.D	AC61645-014	09/23/11 22:05
2M72839.D	AC61666-006	09/23/11 22:21
2M72840.D	AC61666-005	09/23/11 22:37
2M72841.D	AC61666-004	09/23/11 22:53
2M72842.D	MBS11766	09/23/11 23:10
2M72843.D	BLK	09/23/11 23:26
2M72844.D	BLK	09/23/11 23:42
2M72845.D	AC61659-007	09/23/11 23:58
2M72846.D	AC61659-008	09/24/11 00:14
2M72847.D	AC61659-009	09/24/11 00:31
2M72848.D	AC61659-006	09/24/11 00:47
2M72849.D	AC61659-005	09/24/11 01:03
2M72850.D	BLK	09/24/11 01:20
2M72851.D	AC61658-018	09/24/11 01:36

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 2

Data File: 2M72786.D
Analysis Date: 09/23/11 07:49
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.742 to 4.782 min

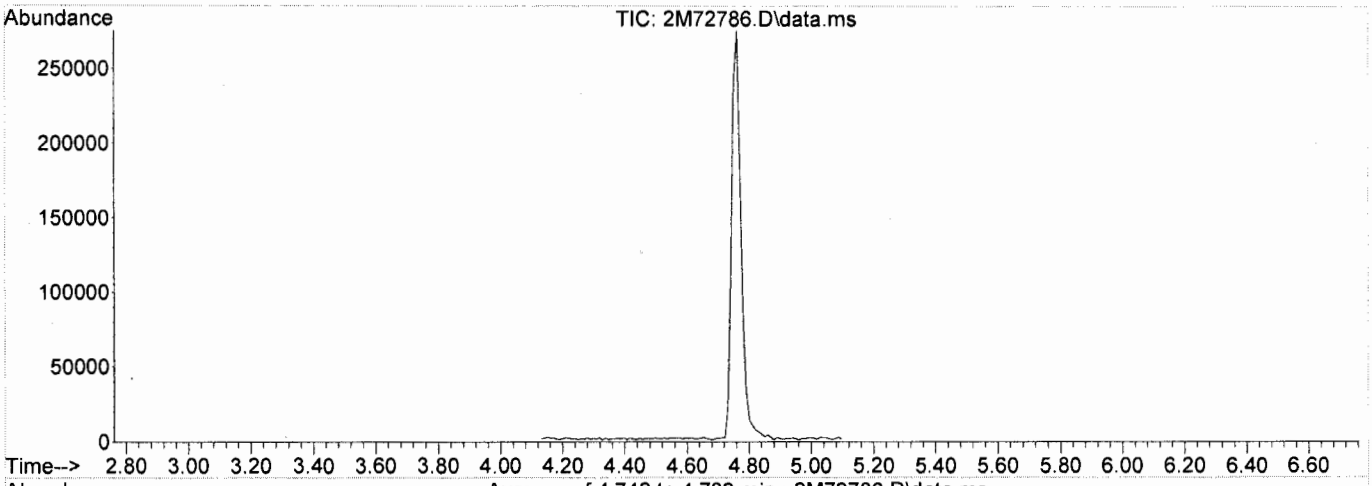
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	18.4	7155	PASS
75	95	30	60	42.7	16585	PASS
95	95	100	100	100.0	38847	PASS
96	95	5	9	7.0	2714	PASS
173	174	0.00	2	0.4	135	PASS
174	95	50	100	85.2	33085	PASS
175	174	5	9	8.5	2801	PASS
176	174	95	101	100.6	33289	PASS
177	176	5	9	6.3	2097	PASS

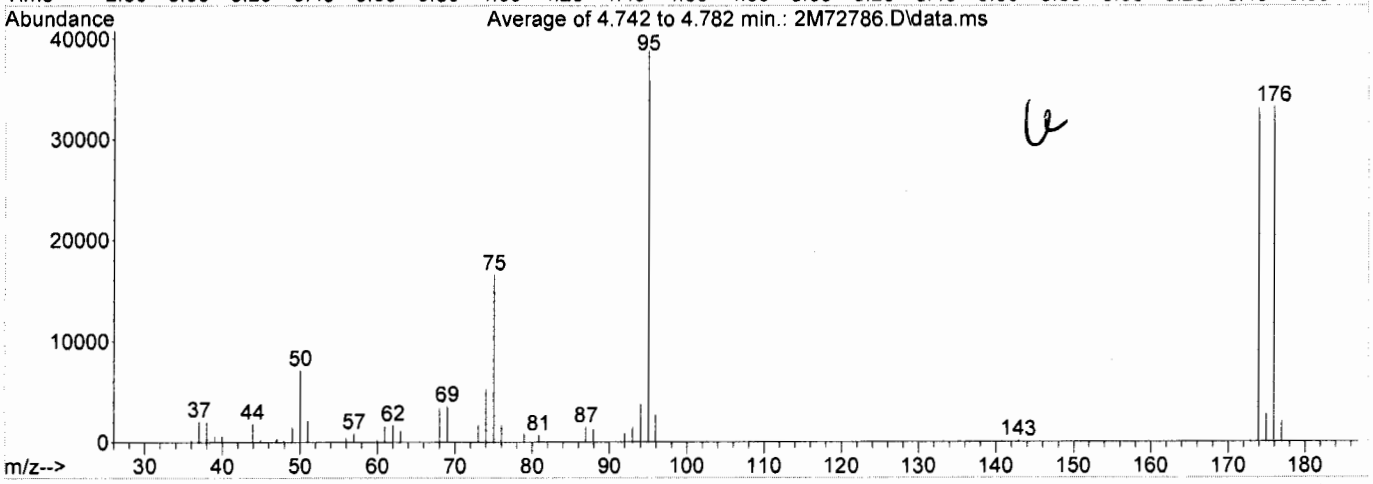
2M72852.D AC61658-002 09/24/11 01:52

Data Path : G:\GcMsData\2011\GCMS_2\Data\09-23-11\
Data File : 2M72786.D
Acq On : 23 Sep 2011 7:49
Operator : DB
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2011\GCMS_2\MethodQt\2M_A0916.M
Title : @GCMS_2,ug,624,8260
Last Update : Fri Sep 16 19:35:09 2011





Spectrum Information: Average of 4.742 to 4.782 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.4	7155	PASS
75	95	30	60	42.7	16585	PASS
95	95	100	100	100.0	38847	PASS
96	95	5	9	7.0	2714	PASS
173	174	0.00	2	0.4	135	PASS
174	95	50	100	85.2	33085	PASS
175	174	5	9	8.5	2801	PASS
176	174	95	101	100.6	33289	PASS
177	176	5	9	6.3	2097	PASS

Form 5

Tune Name: BFB TUNE **Data File:** 3M00094.D
Instrument: GCMS 3 **Analysis Date:** 10/12/11 08:25
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.405 to 4.444 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	18.8	5869	PASS
75	95	30	60	54.2	16919	PASS
95	95	100	100	100.0	31209	PASS
96	95	5	9	7.5	2343	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	99.2	30954	PASS
175	174	5	9	8.1	2510	PASS
176	174	95	101	97.3	30114	PASS
177	176	5	9	7.1	2129	PASS

Data File	Sample Number	Analysis Date:
3M00095.D	BLK	10/12/11 08:36
3M00096.D	CAL @ 1 PPB	10/12/11 08:52
3M00097.D	CAL @ 0.5 PPB	10/12/11 09:10
3M00098.D	CAL @ 5 PPB	10/12/11 09:29
3M00099.D	CAL @ 500 PPB	10/12/11 09:45
3M00100.D	CAL @ 250 PPB	10/12/11 10:01
3M00101.D	CAL @ 100 PPB	10/12/11 10:16
3M00102.D	CAL @ 50 PPB	10/12/11 10:33
3M00103.D	CAL @ 20 PPB	10/12/11 10:48
3M00104.D	CAL @ 10 PPB	10/12/11 11:04
3M00105.D	20 PPB	10/12/11 11:20
3M00106.D	BLK	10/12/11 11:36
3M00107.D	ICV	10/12/11 11:52
3M00108.D	BLKJUG#2	10/12/11 12:08
3M00109.D	DAILY BLANK	10/12/11 12:25
3M00110.D	DAILY BLANK	10/12/11 12:40
3M00111.D	AC62039-009	10/12/11 12:56
3M00112.D	AC61858-006	10/12/11 13:12
3M00113.D	MBS11937	10/12/11 13:28
3M00114.D	AC61934-005(T)	10/12/11 13:44
3M00115.D	AC61934-006(T)	10/12/11 14:00
3M00116.D	AC61934-007(T)	10/12/11 14:16
3M00117.D	AC61934-008(T)	10/12/11 14:32
3M00118.D	AC61913-001(T)	10/12/11 14:48
3M00119.D	MBS11941	10/12/11 15:03
3M00120.D	61969-012(8uL)	10/12/11 15:19
3M00121.D	AC61969-011(8uL)	10/12/11 15:36
3M00122.D	AC61977-001	10/12/11 15:51
3M00123.D	AC61969-012	10/12/11 16:07
3M00124.D	AC61977-005	10/12/11 16:23
3M00125.D	AC61934-009(T)	10/12/11 16:39
3M00126.D	AC61934-010(T)	10/12/11 16:55
3M00127.D	AC61934-011(T)	10/12/11 17:12
3M00128.D	EF-1V-126051(101	10/12/11 17:27
3M00129.D	AC61934-005(T:M	10/12/11 17:43
3M00130.D	AC61934-005(T:M	10/12/11 17:59
3M00131.D	AC61998-003	10/12/11 18:15
3M00132.D	AC61998-001	10/12/11 18:31
3M00133.D	AC61998-002(400u	10/12/11 18:48
3M00134.D	AC61985-008	10/12/11 19:04
3M00135.D	AC61985-004	10/12/11 19:20
3M00136.D	AC61985-003	10/12/11 19:35
3M00137.D	AC61985-002	10/12/11 19:51
3M00138.D	AC61977-003	10/12/11 20:07
3M00139.D	BLK	10/12/11 20:23
3M00140.D	BLK	10/12/11 20:39
3M00141.D	BLK	10/12/11 20:55
3M00142.D	MBS11943	10/12/11 21:12
3M00143.D	MBS11944	10/12/11 21:28
3M00144.D	BLK	10/12/11 21:44
3M00145.D	AC61909-004	10/12/11 22:00
3M00146.D	AC61909-005	10/12/11 22:16
3M00147.D	AC61924-004	10/12/11 22:33
3M00148.D	AC61939-003	10/12/11 22:49
3M00149.D	AC61909-001	10/12/11 23:05
3M00150.D	AC61909-002	10/12/11 23:20
3M00151.D	AC61909-003	10/12/11 23:37
3M00152.D	BLK	10/12/11 23:52
3M00153.D	AC61916-002	10/13/11 00:09
3M00154.D	AC61918-001	10/13/11 00:26
3M00155.D	AC61924-001	10/13/11 00:41
3M00156.D	AC61924-002	10/13/11 00:57
3M00157.D	AC61924-003	10/13/11 01:13
3M00158.D	BLK	10/13/11 01:29
3M00159.D	AC61933-001	10/13/11 01:45

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 3

Data File: 3M00094.D
Analysis Date: 10/12/11 08:25
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.405 to 4.444 min

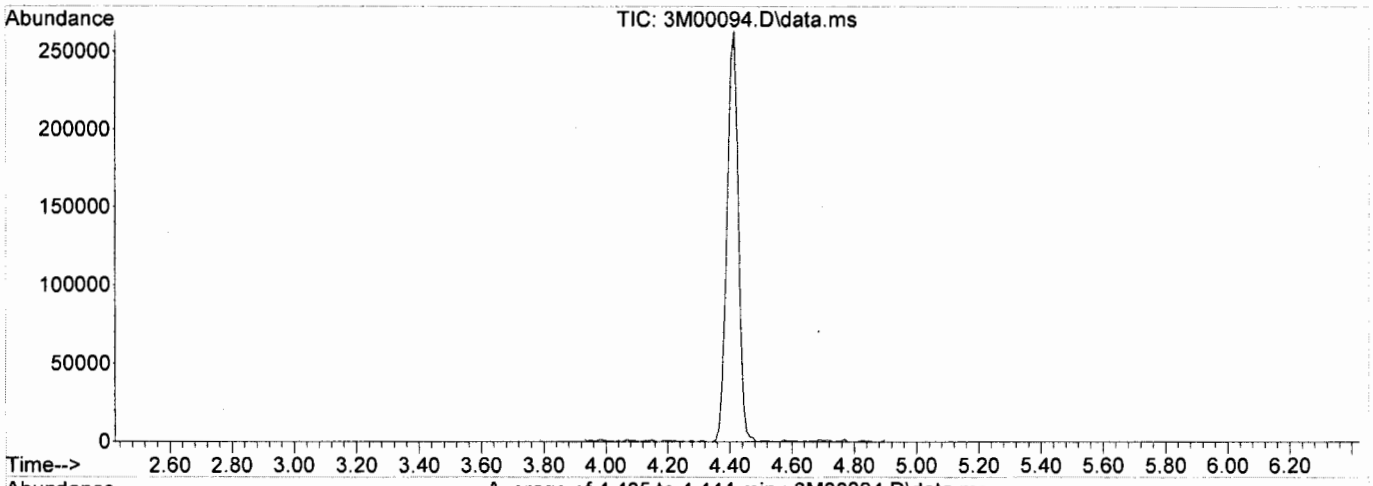
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	18.8	5869	PASS
75	95	30	60	54.2	16919	PASS
95	95	100	100	100.0	31209	PASS
96	95	5	9	7.5	2343	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	99.2	30954	PASS
175	174	5	9	8.1	2510	PASS
176	174	95	101	97.3	30114	PASS
177	176	5	9	7.1	2129	PASS

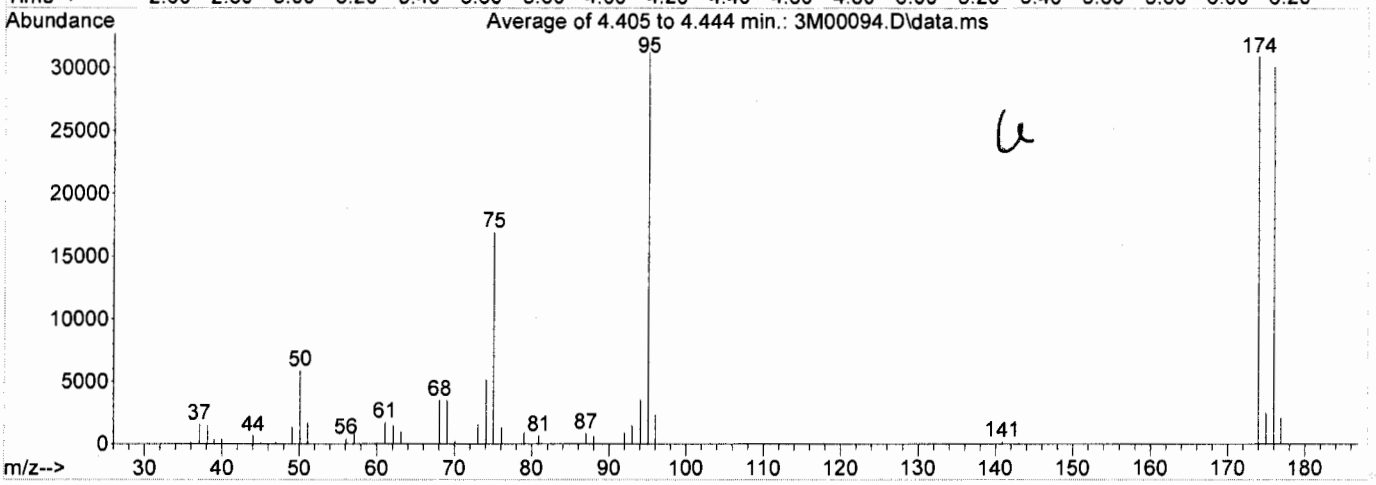
3M00160.D	AC61933-002	10/13/11 02:02
3M00161.D	AC61933-003	10/13/11 02:18
3M00162.D	AC61933-004	10/13/11 02:35
3M00163.D	AC61933-005	10/13/11 02:51
3M00164.D	AC61933-006	10/13/11 03:07
3M00165.D	AC61939-002(100X	10/13/11 03:26
3M00166.D	AC61916-001(100X	10/13/11 03:48
3M00167.D	BLK	10/13/11 04:07
3M00168.D	MBS11945	10/13/11 04:23
3M00169.D	BLK	10/13/11 04:40
3M00170.D	BLK	10/13/11 04:57
3M00171.D	BLK	10/13/11 05:14
3M00172.D	BLK	10/13/11 05:31
3M00173.D	BLK	10/13/11 05:47
3M00174.D	BLK	10/13/11 06:03

Data Path : G:\GcMsData\2011\GCMS_3\Data\10-12-11\
Data File : 3M00094.D
Acq On : 12 Oct 2011 8:25
Operator : WP
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2011\GCMS_3\MethodQt\3M_A1007.M
Title : @GCMS_3,ug,624,8260
Last Update : Fri Oct 07 19:01:11 2011





Spectrum Information: Average of 4.405 to 4.444 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.8	5869	PASS
75	95	30	60	54.2	16919	PASS
95	95	100	100	100.0	31209	PASS
96	95	5	9	7.5	2343	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	99.2	30954	PASS
175	174	5	9	8.1	2510	PASS
176	174	95	101	97.3	30114	PASS
177	176	5	9	7.1	2129	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 2

Data File: 2M73966.D
Analysis Date: 10/19/11 09:47
Method: EPA 8260B

Tune Scan/Time Range: Scan 67

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	16.5	9287	PASS
75	95	30	60	44.7	25072	PASS
95	95	100	100	100.0	56144	PASS
96	95	5	9	6.3	3510	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	89.7	50360	PASS
175	174	5	9	8.4	4241	PASS
176	174	95	101	97.2	48936	PASS
177	176	5	9	7.0	3437	PASS

Data File	Sample Number	Analysis Date:
2M73967.D	20 PPB	10/19/11 10:03
2M73968.D	CAL @ 20 PPB	10/19/11 10:23
2M73969.D	BLK	10/19/11 10:39
2M73970.D	DAILY BLANK	10/19/11 10:56
2M73971.D	DAILY BLANK	10/19/11 11:13
2M73972.D	MBS12129	10/19/11 11:29
2M73973.D	MBS12130	10/19/11 11:45
2M73974.D	AC62167-003	10/19/11 12:02
2M73975.D	AC62167-004	10/19/11 12:18
2M73976.D	AC62167-005	10/19/11 12:34
2M73977.D	AC62167-006	10/19/11 12:50
2M73978.D	AC62167-007	10/19/11 13:07
2M73979.D	AC62167-008	10/19/11 13:23
2M73980.D	AC62167-009	10/19/11 13:40
2M73981.D	MBS12132	10/19/11 13:56
2M73982.D	AC62165-002	10/19/11 14:12
2M73983.D	AC62165-003	10/19/11 14:29
2M73984.D	AC62168-001	10/19/11 14:46
2M73985.D	AC62169-004	10/19/11 15:02
2M73986.D	AC62169-005	10/19/11 15:19
2M73987.D	MBS12136	10/19/11 15:36
2M73988.D	AC62141-005	10/19/11 15:52
2M73989.D	AC62115-009	10/19/11 16:09
2M73990.D	AC62115-010	10/19/11 16:25
2M73991.D	AC62115-001	10/19/11 16:42
2M73992.D	AC62115-002	10/19/11 16:58
2M73993.D	AC62115-003	10/19/11 17:14
2M73994.D	AC62115-004	10/19/11 17:30
2M73995.D	AC62115-005	10/19/11 17:46
2M73996.D	AC62115-006	10/19/11 18:02
2M73997.D	AC62115-007	10/19/11 18:19
2M73998.D	AC62115-008	10/19/11 18:35
2M73999.D	AC62141-001	10/19/11 18:51
2M74000.D	AC62141-002	10/19/11 19:06
2M74001.D	AC62141-003	10/19/11 19:23
2M74002.D	AC62141-004	10/19/11 19:40
2M74003.D	AC62078-012(MS)	10/19/11 19:56
2M74004.D	AC62078-012(MSD	10/19/11 20:12
2M74005.D	BLK	10/19/11 20:29
2M74006.D	AC62163-002	10/19/11 20:45
2M74007.D	AC62118-001	10/19/11 21:01
2M74008.D	AC62118-008	10/19/11 21:17
2M74009.D	AC62118-004	10/19/11 21:34
2M74010.D	AC62118-007	10/19/11 21:51
2M74011.D	MBS12141	10/19/11 22:06
2M74012.D	AC62078-013(MS)	10/19/11 22:22
2M74013.D	AC62078-013(MSD	10/19/11 22:39
2M74014.D	BLK	10/19/11 22:55
2M74015.D	BLK	10/19/11 23:12
2M74016.D	MBS12142	10/19/11 23:28
2M74017.D	BLK	10/19/11 23:44
2M74018.D	AC62129-002	10/20/11 00:00
2M74019.D	AC62129-003	10/20/11 00:16
2M74020.D	AC62120-002	10/20/11 00:33
2M74021.D	AC62120-003	10/20/11 00:49
2M74022.D	AC62120-001	10/20/11 01:06
2M74023.D	AC62129-001	10/20/11 01:23
2M74024.D	AC62132-001	10/20/11 01:40
2M74025.D	AC62132-002	10/20/11 01:57
2M74026.D	AC62132-003	10/20/11 02:13
2M74027.D	AC62153-002	10/20/11 02:29
2M74028.D	AC62153-003	10/20/11 02:45
2M74029.D	AC62153-005	10/20/11 03:02
2M74030.D	AC62153-007	10/20/11 03:18
2M74031.D	AC62153-006	10/20/11 03:34

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 2

Data File: 2M73966.D
Analysis Date: 10/19/11 09:47
Method: EPA 8260B

Tune Scan/Time Range: Scan 67

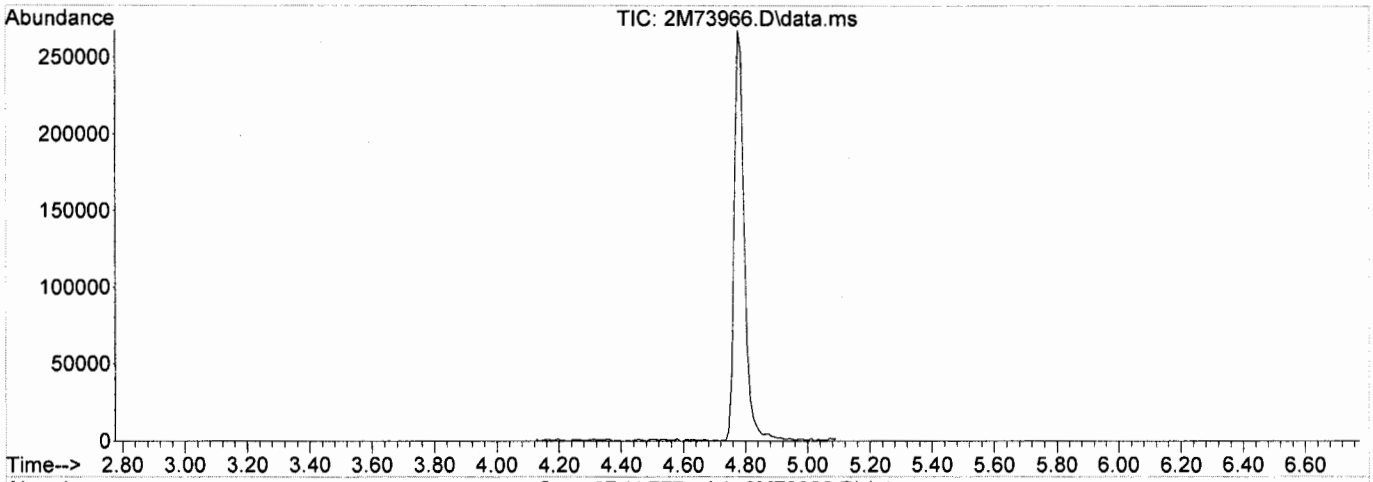
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	16.5	9287	PASS
75	95	30	60	44.7	25072	PASS
95	95	100	100	100.0	56144	PASS
96	95	5	9	6.3	3510	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	89.7	50360	PASS
175	174	5	9	8.4	4241	PASS
176	174	95	101	97.2	48936	PASS
177	176	5	9	7.0	3437	PASS

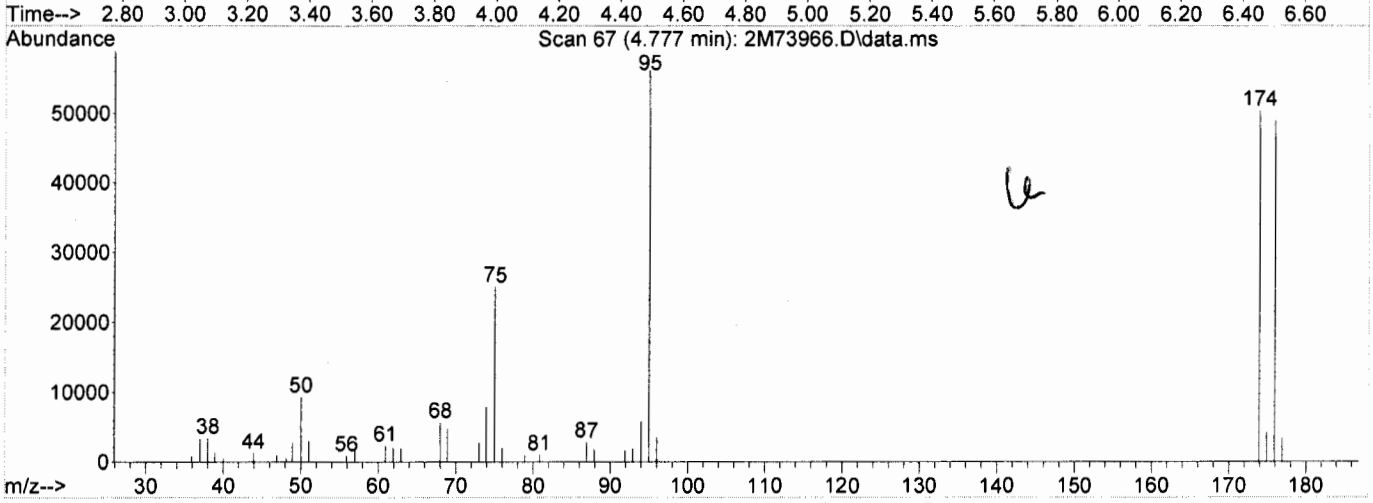
2M74032.D	AC62153-004(10X)	10/20/11 03:53
2M74033.D	AC62153-001(5X)	10/20/11 04:15
2M74034.D	MBS12143	10/20/11 04:33
2M74035.D	BLK	10/20/11 04:50
2M74036.D	AC62150-001	10/20/11 05:06
2M74037.D	AC62151-001	10/20/11 05:22
2M74038.D	AC62163-001	10/20/11 05:39
2M74039.D	AC62127-005	10/20/11 05:56
2M74040.D	MBS12144	10/20/11 06:13
2M74041.D	BLK	10/20/11 06:30
2M74042.D	BLK	10/20/11 06:46

Data Path : G:\GcMsData\2011\GCMS_2\Data\10-19-11\
Data File : 2M73966.D
Acq On : 19 Oct 2011 9:47
Operator : WP
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2011\GCMS_3\MethodQt\3M_A1012.M
Title : @GCMS_3,ug,624,8260
Last Update : Wed Oct 12 11:19:15 2011





Spectrum Information: Scan 67

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.5	9287	PASS
75	95	30	60	44.7	25072	PASS
95	95	100	100	100.0	56144	PASS
96	95	5	9	6.3	3510	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	89.7	50360	PASS
175	174	5	9	8.4	4241	PASS
176	174	95	101	97.2	48936	PASS
177	176	5	9	7.0	3437	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 3

Data File: 3M00768.D
Analysis Date: 10/21/11 09:01
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.411 to 4.451 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	21.5	5086	PASS
75	95	30	60	53.7	12699	PASS
95	95	100	100	100.0	23662	PASS
96	95	5	9	6.6	1565	PASS
173	174	0.00	2	0.6	141	PASS
174	95	50	100	98.9	23396	PASS
175	174	5	9	7.3	1700	PASS
176	174	95	101	97.3	22760	PASS
177	176	5	9	7.1	1621	PASS

Data File	Sample Number	Analysis Date:
3M00769.D	BLK	10/21/11 09:11
3M00770.D	CAL @ 20 PPB	10/21/11 09:27
3M00771.D	BLK	10/21/11 09:48
3M00772.D	DAILY BLANK	10/21/11 10:09
3M00773.D	DAILY BLANK	10/21/11 10:25
3M00774.D	MBS12164	10/21/11 10:41
3M00775.D	AC62208-001(50X)	10/21/11 10:58
3M00776.D	MBS12165	10/21/11 11:14
3M00777.D	AC62186-009	10/21/11 11:30
3M00778.D	AC62170-009	10/21/11 11:46
3M00779.D	AC62170-011	10/21/11 12:03
3M00780.D	AC62170-008	10/21/11 12:18
3M00781.D	AC62208-001	10/21/11 12:35
3M00782.D	AC62199-001	10/21/11 12:51
3M00783.D	AC62170-006(100X	10/21/11 13:07
3M00784.D	AC62166-005	10/21/11 13:24
3M00785.D	AC62200-017	10/21/11 13:40
3M00786.D	AC62171-051	10/21/11 13:56
3M00787.D	AC62011-001(T)	10/21/11 14:12
3M00788.D	AC62011-003(T)	10/21/11 14:29
3M00789.D	AC62221-001	10/21/11 14:44
3M00790.D	AC62154-001	10/21/11 15:00
3M00791.D	AC62145-002(T)	10/21/11 15:16
3M00792.D	AC62145-001(T)	10/21/11 15:32
3M00793.D	AC62050-001(T)	10/21/11 15:48
3M00794.D	EF-1V-126051(102	10/21/11 16:04
3M00795.D	AC62212-002	10/21/11 16:20
3M00796.D	AC62212-001	10/21/11 16:36
3M00797.D	AC62208-001(MS)	10/21/11 16:52
3M00798.D	AC62208-001(MSD	10/21/11 17:09
3M00799.D	BLK	10/21/11 17:25
3M00800.D	BLK	10/21/11 17:42
3M00801.D	BLK	10/21/11 17:59
3M00802.D	MBS12174	10/21/11 18:15
3M00803.D	BLK	10/21/11 18:32
3M00804.D	AC62155-004	10/21/11 18:49
3M00805.D	AC62155-005	10/21/11 19:05
3M00806.D	AC62155-002	10/21/11 19:22
3M00807.D	AC62155-001	10/21/11 19:38
3M00808.D	AC62155-003(10X)	10/21/11 19:58
3M00809.D	AC62155-006(10X)	10/21/11 20:18
3M00810.D	AC62155-007(10X)	10/21/11 20:38
3M00811.D	MBS12175	10/21/11 20:56
3M00812.D	AC62039-007(MS)	10/21/11 21:12
3M00813.D	AC62039-007(MSD	10/21/11 21:28
3M00814.D	BLK	10/21/11 21:45
3M00815.D	BLK	10/21/11 22:02
3M00816.D	AC62181-011	10/21/11 22:18
3M00817.D	AC62181-012	10/21/11 22:35
3M00818.D	AC62181-001	10/21/11 22:51
3M00819.D	AC62181-004	10/21/11 23:07
3M00820.D	AC62181-005(MS:	10/21/11 23:23
3M00821.D	AC62181-006(MSD	10/21/11 23:40
3M00822.D	MBS12176	10/21/11 23:57
3M00823.D	AC62181-007	10/22/11 00:13
3M00824.D	AC62181-008	10/22/11 00:30
3M00825.D	AC62181-009	10/22/11 00:47
3M00826.D	AC62181-010	10/22/11 01:05
3M00827.D	AC62181-014	10/22/11 01:23
3M00828.D	AC62181-015	10/22/11 01:41
3M00829.D	BLK	10/22/11 01:58
3M00830.D	BLK	10/22/11 02:16
3M00831.D	BLK	10/22/11 02:34
3M00832.D	BLK	10/22/11 02:51
3M00833.D	MBS12177	10/22/11 03:10

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 3

Data File: 3M00768.D
Analysis Date: 10/21/11 09:01
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.411 to 4.451 min

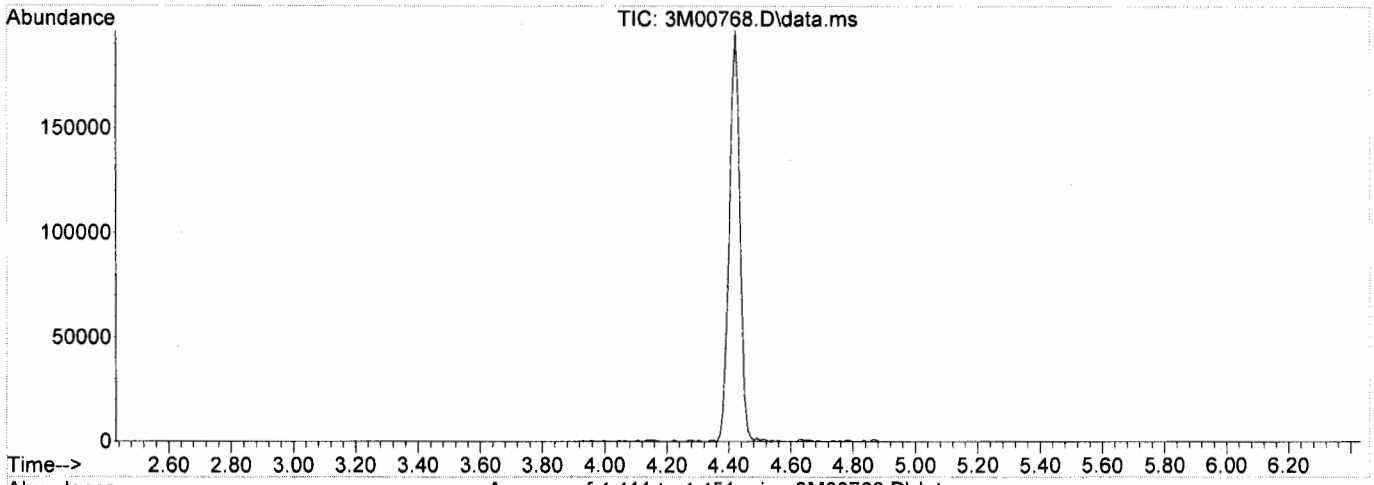
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	21.5	5086	PASS
75	95	30	60	53.7	12699	PASS
95	95	100	100	100.0	23662	PASS
96	95	5	9	6.6	1565	PASS
173	174	0.00	2	0.6	141	PASS
174	95	50	100	98.9	23396	PASS
175	174	5	9	7.3	1700	PASS
176	174	95	101	97.3	22760	PASS
177	176	5	9	7.1	1621	PASS

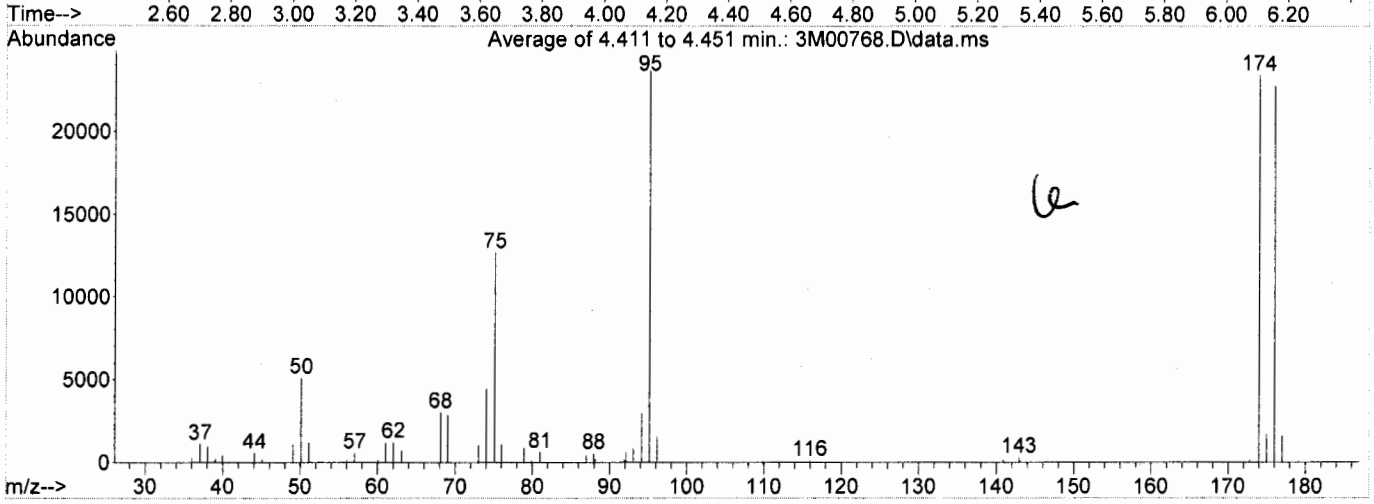
3M00834.D	MBS12178	10/22/11 03:27
3M00835.D	BLK	10/22/11 03:45
3M00836.D	AC62171-032	10/22/11 04:02
3M00837.D	AC62171-025	10/22/11 04:19
3M00838.D	AC62171-026	10/22/11 04:36
3M00839.D	AC62171-027	10/22/11 04:53
3M00840.D	AC62171-028	10/22/11 05:11
3M00841.D	AC62171-029	10/22/11 05:28
3M00842.D	AC62171-030	10/22/11 05:44
3M00843.D	AC62171-031	10/22/11 06:02
3M00844.D	AC62171-033	10/22/11 06:20
3M00845.D	AC62171-034	10/22/11 06:37
3M00846.D	AC62171-035	10/22/11 06:54
3M00847.D	AC62171-036	10/22/11 07:11
3M00848.D	AC62171-037	10/22/11 07:27
3M00849.D	AC62171-038	10/22/11 07:45
3M00850.D	AC62171-039	10/22/11 08:03
3M00851.D	AC62171-040	10/22/11 08:20
3M00852.D	AC62171-045	10/22/11 08:38
3M00853.D	BLK	10/22/11 08:55
3M00854.D	BLK	10/22/11 09:30
3M00855.D	BLK	10/22/11 10:01
3M00856.D	BLK	10/22/11 10:32
3M00857.D	BLK	10/22/11 11:03
3M00858.D	BLK	10/22/11 11:34
3M00859.D	BLK	10/22/11 12:05
3M00860.D	BLK	10/22/11 12:36
3M00861.D	BLK	10/22/11 13:07
3M00862.D	BLK	10/22/11 13:39
3M00863.D	BLK	10/22/11 14:10
3M00864.D	BLK	10/22/11 14:41
3M00865.D	BLK	10/22/11 15:12
3M00866.D	BLK	10/22/11 15:44
3M00867.D	BLK	10/22/11 16:15
3M00868.D	BLK	10/22/11 16:46
3M00869.D	BLK	10/22/11 17:17
3M00870.D	BLK	10/22/11 17:49
3M00871.D	BLK	10/22/11 18:20
3M00872.D	BLK	10/22/11 18:51

Data Path : G:\GcMsData\2011\GCMS_3\Data\10-21-11\
Data File : 3M00768.D
Acq On : 21 Oct 2011 9:01
Operator : SG
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2011\GCMS_3\MethodQt\3M_A1012.M
Title : @GCMS_3,ug,624,8260
Last Update : Wed Oct 12 11:19:15 2011





Spectrum Information: Average of 4.411 to 4.451 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.5	5086	PASS
75	95	30	60	53.7	12699	PASS
95	95	100	100	100.0	23662	PASS
96	95	5	9	6.6	1565	PASS
173	174	0.00	2	0.6	141	PASS
174	95	50	100	98.9	23396	PASS
175	174	5	9	7.3	1700	PASS
176	174	95	101	97.3	22760	PASS
177	176	5	9	7.1	1621	PASS

Form 5

Tune Name: BFB TUNE **Data File:** 1M74819.D
Instrument: GCMS 1 **Analysis Date:** 10/21/11 10:33
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.315 to 4.334 min

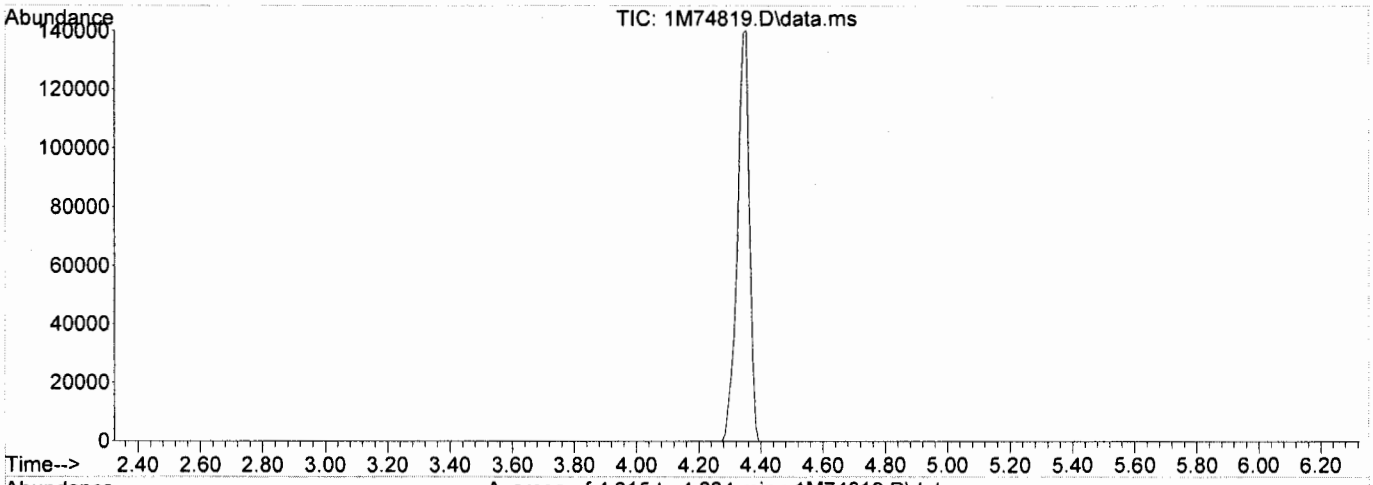
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	21.0	3116	PASS
75	95	30	60	55.0	8171	PASS
95	95	100	100	100.0	14850	PASS
96	95	5	9	7.8	1155	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	91.2	13541	PASS
175	174	5	9	5.9	796	PASS
176	174	95	101	95.3	12909	PASS
177	176	5	9	6.8	876	PASS

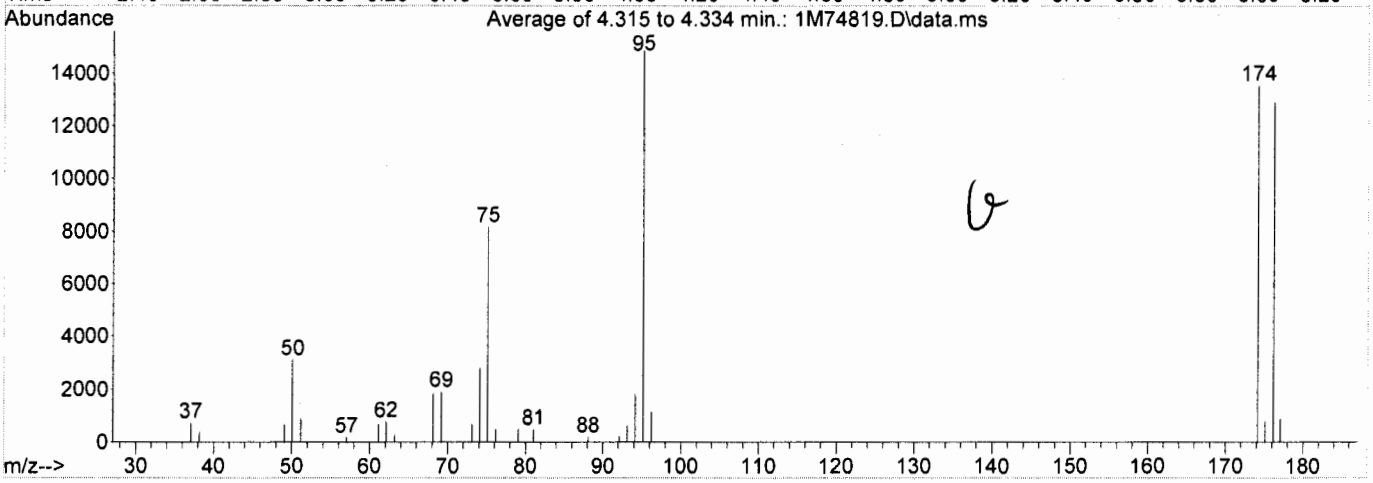
Data File	Sample Number	Analysis Date:
1M74821.D	BLK	10/21/11 10:59
1M74822.D	CAL @ 0.5 PPB	10/21/11 11:15
1M74823.D	CAL @ 1 PPB	10/21/11 11:31
1M74824.D	CAL @ 2 PPB	10/21/11 11:47
1M74825.D	CAL @ 5 PPB	10/21/11 12:03
1M74826.D	CAL @ 500 PPB	10/21/11 12:19
1M74827.D	CAL @ 250 PPB	10/21/11 12:35
1M74828.D	CAL @ 100 PPB	10/21/11 12:51
1M74829.D	CAL @ 50 PPB	10/21/11 13:07
1M74830.D	CAL @ 20 PPB	10/21/11 13:24
1M74831.D	50 PPB	10/21/11 13:40
1M74832.D	50 PPB	10/21/11 14:03
1M74833.D	ICV	10/21/11 14:19
1M74834.D	BLK	10/21/11 14:35
1M74835.D	BLK	10/21/11 14:51
1M74836.D	DAILY BLANK	10/21/11 15:07
1M74837.D	AC62154-001	10/21/11 15:26
1M74838.D	MBS12168	10/21/11 15:42
1M74839.D	BLK	10/21/11 15:58
1M74840.D	AC62221-001	10/21/11 16:14
1M74841.D	AC62169-004	10/21/11 16:30
1M74842.D	AC62187-001	10/21/11 16:46
1M74843.D	AC62187-002	10/21/11 17:02
1M74844.D	AC62187-003	10/21/11 17:18
1M74845.D	AC62187-004	10/21/11 17:34
1M74846.D	AC62187-009	10/21/11 17:50
1M74847.D	AC62187-010	10/21/11 18:06
1M74848.D	AC62187-011	10/21/11 18:23
1M74849.D	AC62187-012	10/21/11 18:39
1M74850.D	AC62187-013	10/21/11 18:55
1M74851.D	AC62187-014	10/21/11 19:10
1M74852.D	AC62187-015	10/21/11 19:27
1M74853.D	AC62190-003	10/21/11 19:43
1M74854.D	AC62190-004(MS:	10/21/11 19:59
1M74855.D	AC62190-005(MS:	10/21/11 20:15
1M74856.D	AC62190-006	10/21/11 20:31
1M74857.D	AC62190-007	10/21/11 20:47
1M74858.D	AC62190-008	10/21/11 21:03
1M74859.D	MBS12170	10/21/11 21:19
1M74860.D	AC62154-001(MS)	10/21/11 21:35
1M74861.D	AC62154-001(MSD	10/21/11 21:51
1M74862.D	MBS12171	10/21/11 22:07
1M74863.D	BLK	10/21/11 22:23
1M74864.D	BLK	10/21/11 22:39
1M74865.D	BLK	10/21/11 22:55
1M74866.D	BLK	10/21/11 23:11

Data Path : G:\GcMsData\2011\GCMS_1\Data\10-21-11\
Data File : 1M74819.D
Acq On : 21 Oct 2011 10:33
Operator : SG
Sample : BFB TUNE
Misc : S,5g
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2011\GCMS_1\MethodQt\1M_S1020.M
Title : @GCMS_1,ug,624,8260
Last Update : Thu Oct 20 12:45:04 2011





Spectrum Information: Average of 4.315 to 4.334 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.0	3116	PASS
75	95	30	60	55.0	8171	PASS
95	95	100	100	100.0	14850	PASS
96	95	5	9	7.8	1155	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	91.2	13541	PASS
175	174	5	9	5.9	796	PASS
176	174	95	101	95.3	12909	PASS
177	176	5	9	6.8	876	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 1

Data File: 1M74867.D
Analysis Date: 10/24/11 07:10
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.297 to 4.356 min

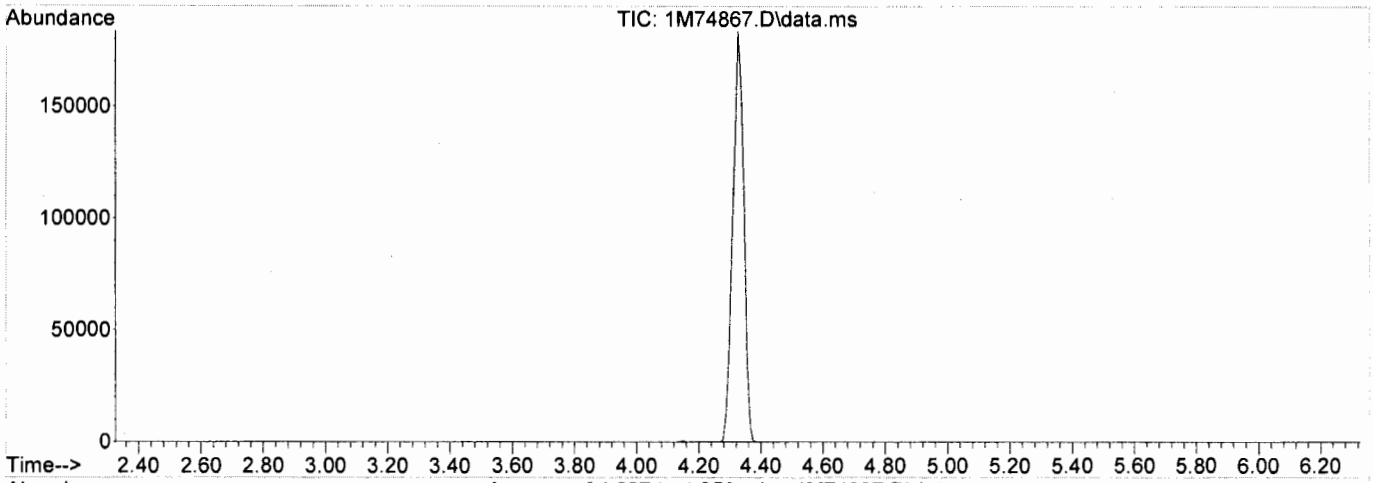
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	20.5	4316	PASS
75	95	30	60	55.9	11757	PASS
95	95	100	100	100.0	21046	PASS
96	95	5	9	7.1	1491	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	99.6	20965	PASS
175	174	5	9	7.2	1500	PASS
176	174	95	101	96.6	20262	PASS
177	176	5	9	7.8	1576	PASS

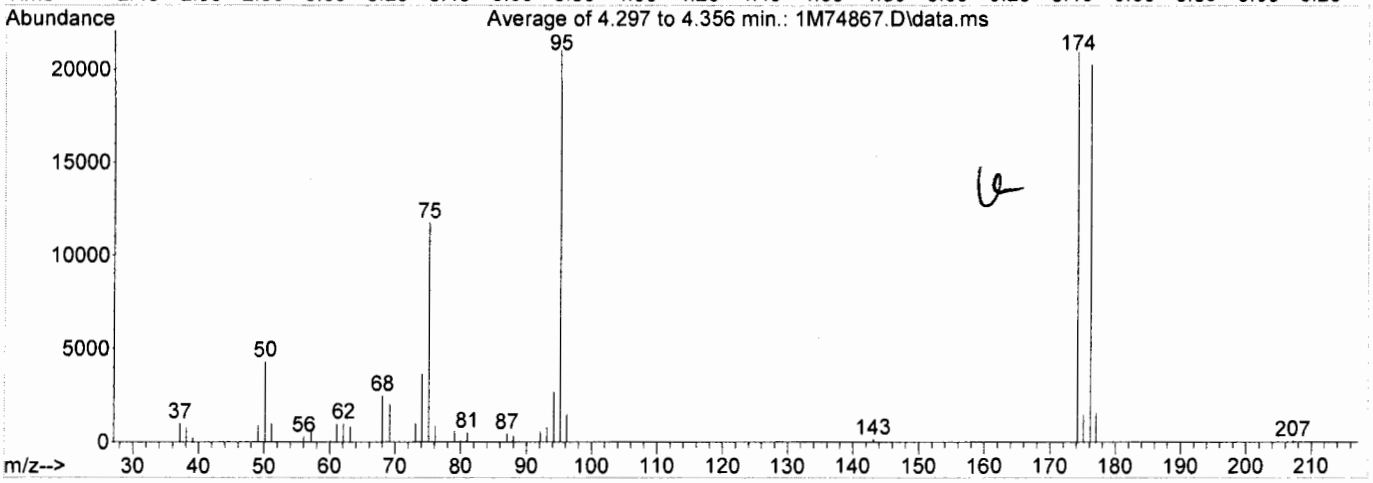
Data File	Sample Number	Analysis Date:
1M74868.D	BLK	10/24/11 07:19
1M74869.D	CAL @ 50 PPB	10/24/11 07:35
1M74870.D	BLK	10/24/11 07:56
1M74871.D	BLK	10/24/11 08:13
1M74872.D	DAILY BLANK	10/24/11 08:29
1M74873.D	MBS12172	10/24/11 08:45
1M74874.D	BLK	10/24/11 09:07
1M74875.D	AC62221-004	10/24/11 09:23
1M74876.D	AC62221-003	10/24/11 09:39
1M74877.D	AC62221-002	10/24/11 09:55
1M74878.D	AC62222-002	10/24/11 10:11
1M74879.D	AC62222-001	10/24/11 10:28
1M74880.D	BLK	10/24/11 10:44
1M74881.D	AC62187-001	10/24/11 11:00
1M74882.D	AC62216-004	10/24/11 11:16
1M74883.D	AC62223-006	10/24/11 11:32
1M74884.D	AC62223-005	10/24/11 11:48
1M74885.D	AC62223-004	10/24/11 12:04
1M74886.D	AC62229-001	10/24/11 12:20
1M74887.D	AC62229-004	10/24/11 12:36
1M74888.D	AC62229-005	10/24/11 12:53
1M74889.D	AC62229-006	10/24/11 13:09
1M74890.D	AC62229-002(5X)	10/24/11 13:25
1M74891.D	AC62229-003(5X)	10/24/11 13:40
1M74892.D	AC62229-001(MS)	10/24/11 13:57
1M74893.D	AC62229-001(MSD	10/24/11 14:13
1M74894.D	BLK	10/24/11 14:29
1M74895.D	BLK	10/24/11 14:45
1M74896.D	AC62175-001(5X)	10/24/11 15:01
1M74897.D	BLK	10/24/11 15:17
1M74898.D	AC62175-002(5X)	10/24/11 15:33
1M74899.D	MBS12183	10/24/11 15:49
1M74900.D	BLK	10/24/11 16:05
1M74901.D	AC62229-006	10/24/11 16:21
1M74902.D	AC62229-004(MS)	10/24/11 16:37
1M74903.D	AC62229-004(MSD	10/24/11 16:53
1M74904.D	BLK	10/24/11 17:09
1M74905.D	AC62234-001	10/24/11 17:25
1M74906.D	AC62254-001	10/24/11 17:41
1M74907.D	AC62254-002	10/24/11 17:57
1M74908.D	AC62254-003	10/24/11 18:13
1M74909.D	AC62254-006	10/24/11 18:29
1M74910.D	BLK	10/24/11 18:45
1M74911.D	BLK	10/24/11 19:01
1M74912.D	BLK	10/24/11 19:17

Data Path : G:\GcMsData\2011\GCMS_1\Data\10-24-11\
Data File : 1M74867.D
Acq On : 24 Oct 2011 7:10
Operator : WP
Sample : BFB TUNE
Misc : S,5g
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2011\GCMS_1\MethodQt\1M_S1021.M
Title : @GCMS_1,ug,624,8260
Last Update : Fri Oct 21 13:39:16 2011





Spectrum Information: Average of 4.297 to 4.356 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.5	4316	PASS
75	95	30	60	55.9	11757	PASS
95	95	100	100	100.0	21046	PASS
96	95	5	9	7.1	1491	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	99.6	20965	PASS
175	174	5	9	7.2	1500	PASS
176	174	95	101	96.6	20262	PASS
177	176	5	9	7.8	1576	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 2

Data File: 2M74184.D
Analysis Date: 10/24/11 11:32
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.633 to 4.672 min

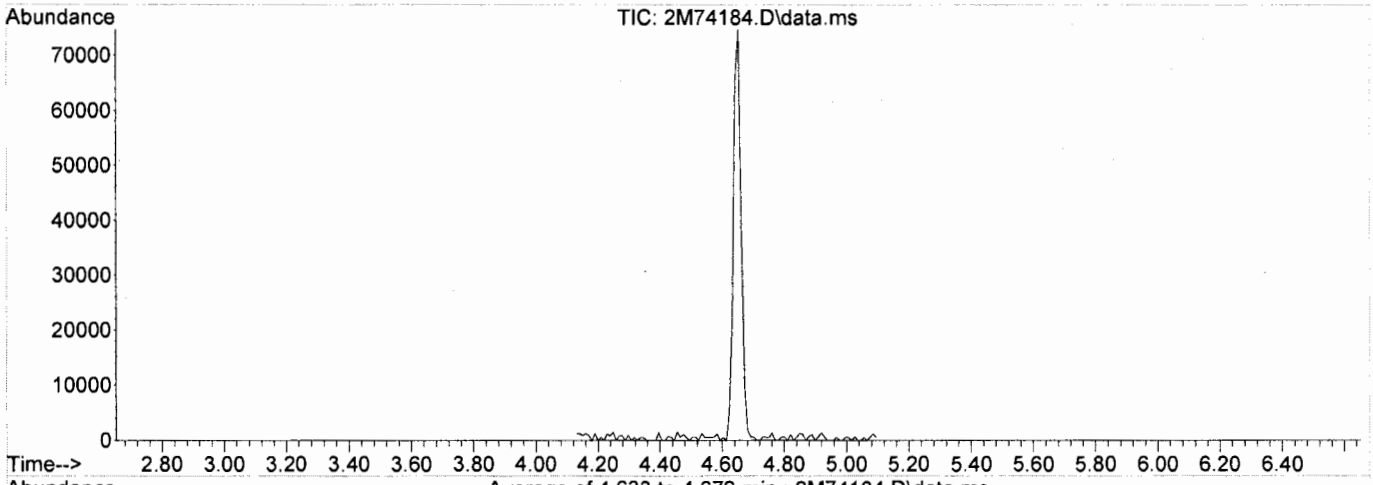
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	15.8	1504	PASS
75	95	30	60	44.0	4181	PASS
95	95	100	100	100.0	9499	PASS
96	95	5	9	5.8	553	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	95.1	9031	PASS
175	174	5	9	6.7	605	PASS
176	174	95	101	100.5	9072	PASS
177	176	5	9	6.6	599	PASS

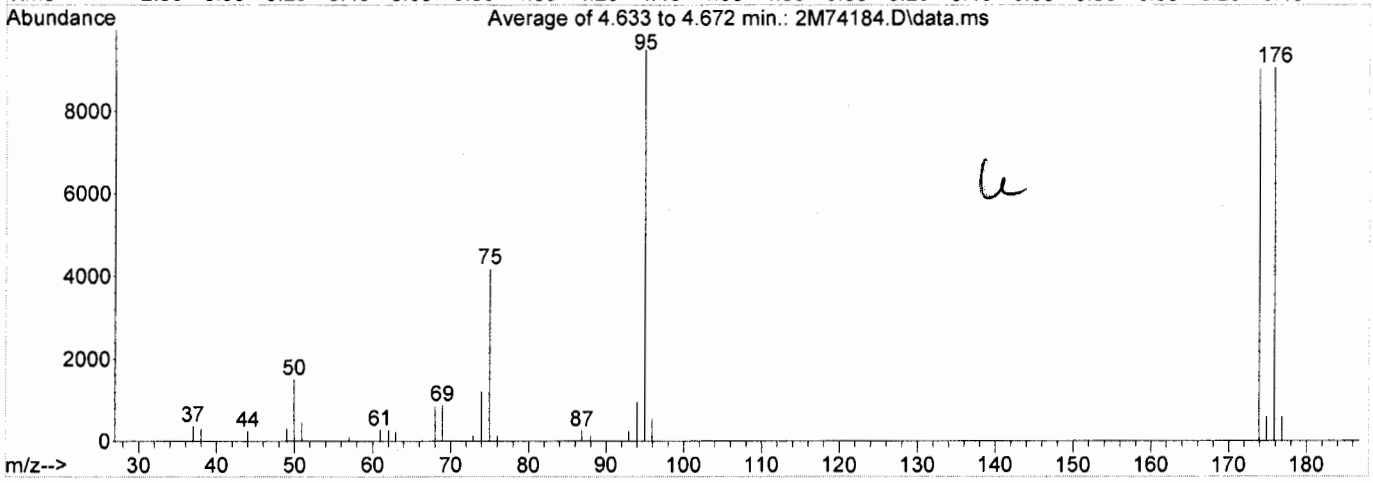
Data File	Sample Number	Analysis Date:
2M74186.D	CAL @ 1 PPB	10/24/11 11:58
2M74187.D	CAL @ 0.5 PPB	10/24/11 12:17
2M74188.D	CAL @ 5 PPB	10/24/11 12:40
2M74189.D	CAL @ 500 PPB	10/24/11 12:57
2M74190.D	CAL @ 250 PPB	10/24/11 13:14
2M74191.D	CAL @ 100 PPB	10/24/11 13:31
2M74192.D	CAL @ 50 PPB	10/24/11 13:47
2M74193.D	CAL @ 20 PPB	10/24/11 14:04
2M74194.D	CAL @ 10 PPB	10/24/11 14:20
2M74195.D	20 PPB	10/24/11 14:36
2M74196.D	ICV	10/24/11 14:53
2M74197.D	BLK	10/24/11 15:14
2M74198.D	DAILY BLANK	10/24/11 15:29
2M74199.D	DAILY BLANK	10/24/11 15:46
2M74200.D	MBS12184	10/24/11 16:02
2M74201.D	MBS12185	10/24/11 16:19
2M74202.D	BLK	10/24/11 16:36
2M74203.D	MDL @ 1 PPB	10/24/11 16:52
2M74204.D	MDL @ 1 PPB	10/24/11 17:09
2M74205.D	MDL @ 1 PPB	10/24/11 17:26
2M74206.D	MDL @ 1 PPB	10/24/11 17:42
2M74207.D	MDL @ 1 PPB	10/24/11 17:59
2M74208.D	MDL @ 1 PPB	10/24/11 18:15
2M74209.D	MDL @ 1 PPB	10/24/11 18:32
2M74210.D	VER @ 0.5 PPB	10/24/11 18:51
2M74211.D	AC62175-002(80uL	10/24/11 19:09
2M74212.D	BLK	10/24/11 19:26
2M74213.D	AC62229-002(80uL	10/24/11 19:42
2M74214.D	BLK	10/24/11 19:59
2M74215.D	AC62229-003(80uL	10/24/11 20:16
2M74216.D	BLK	10/24/11 20:32
2M74217.D	BLK	10/25/11 06:13
2M74218.D	AC62195-007	10/25/11 06:29
2M74219.D	AC62195-013	10/25/11 06:46
2M74220.D	AC62192-002	10/25/11 07:02
2M74221.D	AC62223-001	10/25/11 07:18
2M74222.D	AC62223-003	10/25/11 07:35
2M74223.D	AC62195-006	10/25/11 07:50
2M74224.D	AC62195-012	10/25/11 08:07
2M74225.D	AC62195-001	10/25/11 08:23
2M74226.D	AC62195-002	10/25/11 08:40
2M74227.D	AC62206-005	10/25/11 08:56
2M74228.D	AC62211-002	10/25/11 09:12
2M74229.D	AC62211-003	10/25/11 09:29
2M74230.D	AC62211-001	10/25/11 09:45
2M74231.D	AC62195-003	10/25/11 10:02
2M74232.D	AC62195-004	10/25/11 10:18
2M74233.D	AC62195-005	10/25/11 10:35
2M74234.D	AC62195-008	10/25/11 10:51
2M74235.D	AC62192-001	10/25/11 11:08
2M74236.D	AC62195-010	10/25/11 11:24
2M74237.D	AC62195-011	10/25/11 11:40

Data Path : G:\GcMsData\2011\GCMS_2\Data\10-24-11\
Data File : 2M74184.D
Acq On : 24 Oct 2011 11:32
Operator : WP
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2011\GCMS_2\MethodQt\2M_A1024.M
Title : @GCMS_2,ug,624,8260
Last Update : Mon Oct 24 14:46:26 2011





Spectrum Information: Average of 4.633 to 4.672 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.8	1504	PASS
75	95	30	60	44.0	4181	PASS
95	95	100	100	100.0	9499	PASS
96	95	5	9	5.8	553	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	95.1	9031	PASS
175	174	5	9	6.7	605	PASS
176	174	95	101	100.5	9072	PASS
177	176	5	9	6.6	599	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 3

Data File: 3M00962.D
Analysis Date: 10/25/11 08:49
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.408 to 4.428 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	22.4	6700	PASS
75	95	30	60	57.5	17188	PASS
95	95	100	100	100.0	29875	PASS
96	95	5	9	6.2	1866	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	95.4	28512	PASS
175	174	5	9	7.4	2109	PASS
176	174	95	101	97.8	27880	PASS
177	176	5	9	5.7	1586	PASS

Data File	Sample Number	Analysis Date:
3M00963.D	BLK	10/25/11 09:00
3M00964.D	CAL @ 1 PPB	10/25/11 09:16
3M00965.D	CAL @ 0.5 PPB	10/25/11 09:35
3M00966.D	CAL @ 5 PPB	10/25/11 09:53
3M00967.D	CAL @ 500 PPB	10/25/11 10:09
3M00968.D	CAL @ 250 PPB	10/25/11 10:25
3M00969.D	CAL @ 100 PPB	10/25/11 10:41
3M00970.D	CAL @ 20 PPB	10/25/11 10:57
3M00971.D	CAL @ 50 PPB	10/25/11 11:13
3M00972.D	CAL @ 10 PPB	10/25/11 11:29
3M00973.D	20PPB	10/25/11 11:46
3M00974.D	ICV	10/25/11 12:03
3M00975.D	BLK	10/25/11 12:20
3M00976.D	DAILY BLANK	10/25/11 12:36
3M00977.D	DAILY BLANK	10/25/11 12:53
3M00978.D	MBS12197	10/25/11 13:12
3M00979.D	MBS12198	10/25/11 13:28
3M00980.D	BLK	10/25/11 13:44
3M00981.D	AC62171-048(5X)	10/25/11 14:04
3M00982.D	AC62171-049(5X)	10/25/11 14:25
3M00983.D	AC62171-011	10/25/11 14:42
3M00984.D	AC62171-012	10/25/11 14:59
3M00985.D	AC62171-013	10/25/11 15:16
3M00986.D	AC62171-024	10/25/11 15:36
3M00987.D	AC62171-047	10/25/11 15:52
3M00988.D	AC62171-046	10/25/11 16:08
3M00989.D	BLK	10/25/11 16:24
3M00990.D	AC62249-012	10/25/11 16:41
3M00991.D	AC62249-011	10/25/11 16:57
3M00992.D	AC62249-010	10/25/11 17:14
3M00993.D	AC62249-009	10/25/11 17:31
3M00994.D	AC62249-008	10/25/11 17:48
3M00995.D	AC62249-007	10/25/11 18:04
3M00996.D	AC62249-006	10/25/11 18:21
3M00997.D	AC62249-002	10/25/11 18:38
3M00998.D	AC62249-001	10/25/11 18:55
3M00999.D	AC62249-004	10/25/11 19:12
3M01000.D	AC62249-003	10/25/11 19:28
3M01001.D	AC62249-005(10X)	10/25/11 19:46
3M01002.D	AC62212-002(MS)	10/25/11 20:05
3M01003.D	AC62212-002(MSD	10/25/11 20:23
3M01004.D	BLK	10/25/11 20:40
3M01005.D	BLK	10/25/11 20:58
3M01006.D	BLK	10/25/11 21:16
3M01007.D	MBS12202	10/25/11 21:33
3M01008.D	BLK	10/25/11 21:50
3M01009.D	AC62224-013	10/25/11 22:08
3M01010.D	AC62224-017	10/25/11 22:25
3M01011.D	AC62242-010	10/25/11 22:42
3M01012.D	AC62242-011	10/25/11 22:59
3M01013.D	AC62242-012	10/25/11 23:17
3M01014.D	AC62224-001	10/25/11 23:34
3M01015.D	AC62224-003	10/25/11 23:50
3M01016.D	AC62224-005	10/26/11 00:07
3M01017.D	AC62224-007	10/26/11 00:24
3M01018.D	AC62224-009	10/26/11 00:42
3M01019.D	AC62224-011	10/26/11 01:00
3M01020.D	AC62224-014	10/26/11 01:17
3M01021.D	AC62224-016	10/26/11 01:35
3M01022.D	MBS12203	10/26/11 01:52
3M01023.D	BLK	10/26/11 02:11
3M01024.D	AC62242-004	10/26/11 02:28
3M01025.D	AC62242-007	10/26/11 02:46
3M01026.D	AC62242-006	10/26/11 03:03
3M01027.D	AC62242-008(5X)	10/26/11 03:23

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 3

Data File: 3M00962.D
Analysis Date: 10/25/11 08:49
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.408 to 4.428 min

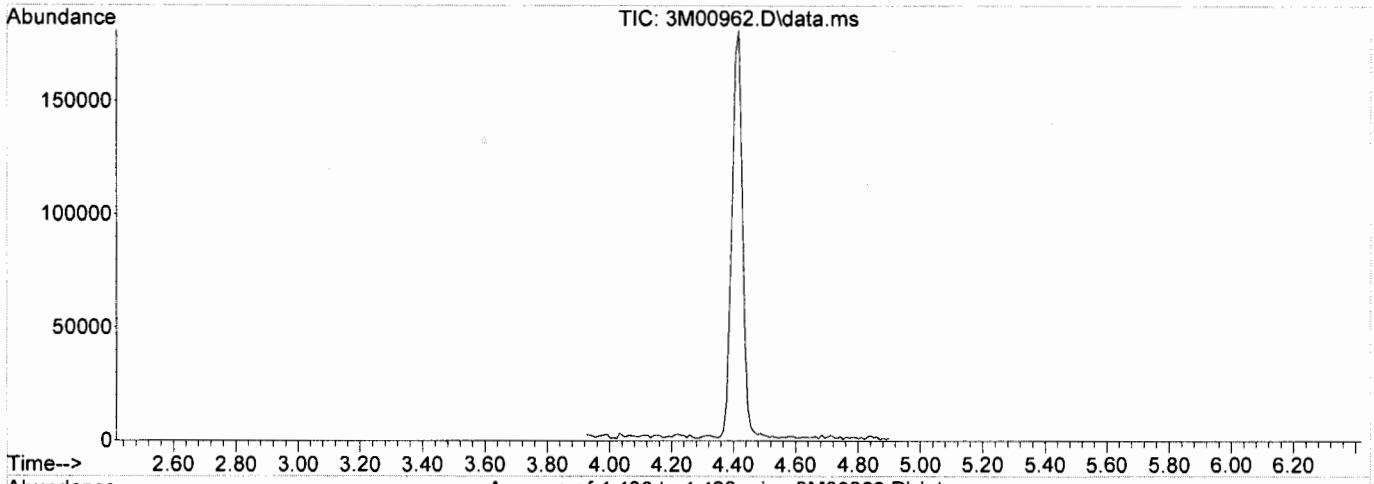
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	22.4	6700	PASS
75	95	30	60	57.5	17188	PASS
95	95	100	100	100.0	29875	PASS
96	95	5	9	6.2	1866	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	95.4	28512	PASS
175	174	5	9	7.4	2109	PASS
176	174	95	101	97.8	27880	PASS
177	176	5	9	5.7	1586	PASS

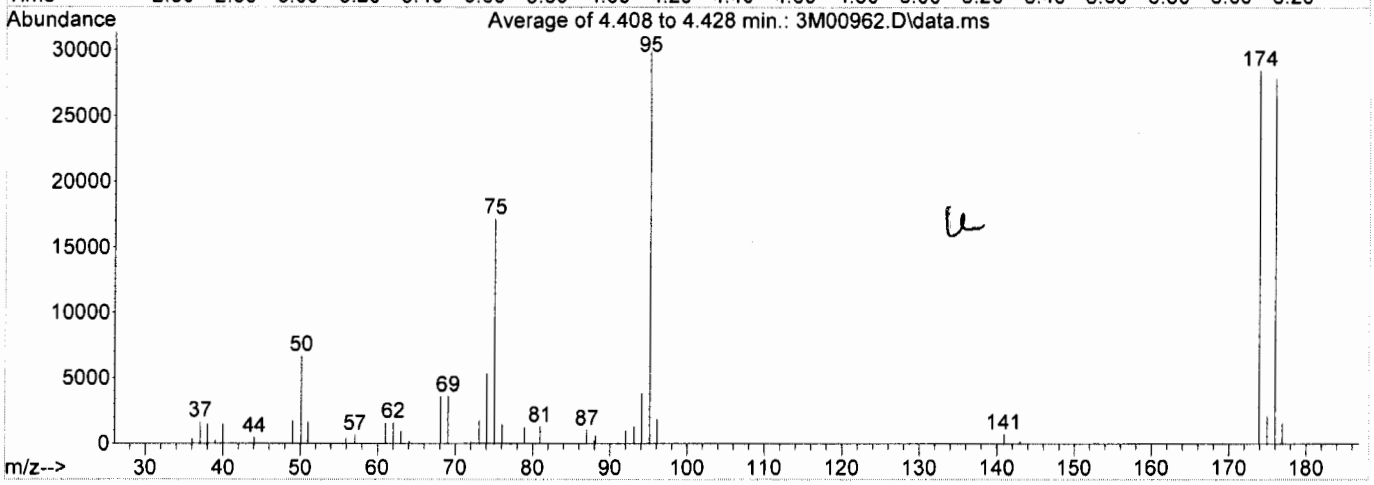
3M01028.D	AC62242-005(5X)	10/26/11 03:45
3M01029.D	AC62242-001(10X)	10/26/11 04:08
3M01030.D	AC62242-002(10X)	10/26/11 04:30
3M01031.D	BLK	10/26/11 04:52
3M01032.D	BLK	10/26/11 05:14
3M01033.D	BLK	10/26/11 05:33
3M01034.D	BLK	10/26/11 05:48
3M01035.D	BLK	10/26/11 06:03
3M01036.D	BLK	10/26/11 06:19
3M01037.D	BLK	10/26/11 06:34
3M01038.D	BLK	10/26/11 06:49

Data Path : G:\GcMsData\2011\GCMS_3\Data\10-25-11\
Data File : 3M00962.D
Acq On : 25 Oct 2011 8:49
Operator : WP
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 5 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2011\GCMS_3\MethodQt\3M_A1012.M
Title : @GCMS_3,ug,624,8260
Last Update : Wed Oct 12 11:19:15 2011





Spectrum Information: Average of 4.408 to 4.428 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.4	6700	PASS
75	95	30	60	57.5	17188	PASS
95	95	100	100	100.0	29875	PASS
96	95	5	9	6.2	1866	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	95.4	28512	PASS
175	174	5	9	7.4	2109	PASS
176	174	95	101	97.8	27880	PASS
177	176	5	9	5.7	1586	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 2

Data File: 2M74238.D
Analysis Date: 10/25/11 11:52
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.620 to 4.649 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	18.0	1426	PASS
75	95	30	60	43.8	3465	PASS
95	95	100	100	100.0	7914	PASS
96	95	5	9	7.0	554	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	82.5	6529	PASS
175	174	5	9	7.0	457	PASS
176	174	95	101	100.7	6576	PASS
177	176	5	9	7.8	516	PASS

Data File	Sample Number	Analysis Date:
2M74240.D	20 PPB	10/25/11 12:15
2M74241.D	CAL @ 20 PPB	10/25/11 12:33
2M74244.D	DAILY BLANK	10/25/11 13:42
2M74245.D	DAILY BLANK	10/25/11 14:27
2M74246.D	MBS12199	10/25/11 14:44
2M74247.D	MBS12200	10/25/11 15:01
2M74248.D	BLK	10/25/11 15:17
2M74249.D	BLK	10/25/11 15:34
2M74250.D	AC62195-011	10/25/11 15:50
2M74251.D	AC62229-007	10/25/11 16:06
2M74252.D	AC62229-008	10/25/11 16:23
2M74253.D	STDTEST	10/25/11 16:38
2M74254.D	AC62228-002(80uL	10/25/11 16:54
2M74255.D	STDTEST	10/25/11 17:11
2M74256.D	AC62248-001	10/25/11 17:27
2M74257.D	AC62248-002	10/25/11 17:44
2M74258.D	AC62248-004	10/25/11 17:59
2M74259.D	AC62248-005	10/25/11 18:16
2M74260.D	AC62248-012	10/25/11 18:33
2M74261.D	AC62248-013	10/25/11 18:49
2M74262.D	AC62248-014	10/25/11 19:06
2M74263.D	AC62248-015	10/25/11 19:22
2M74264.D	AC62248-017	10/25/11 19:38
2M74265.D	AC62248-018	10/25/11 19:55
2M74266.D	AC62107-004	10/25/11 20:10
2M74267.D	AC62107-006	10/25/11 20:27
2M74268.D	MBS12205	10/25/11 20:44
2M74269.D	AC62115-002(MS)	10/25/11 21:00
2M74270.D	AC62115-002(MSD	10/25/11 21:17
2M74271.D	STDTEST	10/25/11 21:34
2M74272.D	AC62167-009(MS)	10/25/11 21:50
2M74273.D	STDTEST	10/25/11 22:06
2M74274.D	AC62167-009(MSD	10/25/11 22:23
2M74275.D	AC62190-013	10/25/11 22:39
2M74276.D	AC62247-002(400u	10/25/11 22:55
2M74277.D	BLK	10/25/11 23:12
2M74278.D	BLK	10/25/11 23:28
2M74279.D	AC62206-012	10/25/11 23:45
2M74280.D	AC62206-011	10/26/11 00:01
2M74281.D	AC62206-010	10/26/11 00:17
2M74282.D	AC62206-009	10/26/11 00:33
2M74283.D	AC62202-008	10/26/11 00:49
2M74284.D	AC62206-006	10/26/11 01:05
2M74285.D	AC62206-004	10/26/11 01:22
2M74286.D	AC62206-003	10/26/11 01:39
2M74287.D	AC62206-002	10/26/11 01:55
2M74288.D	BLK	10/26/11 06:44
2M74289.D	BLK	10/26/11 07:00
2M74290.D	AC62206-001	10/26/11 07:16
2M74291.D	AC62195-001(MS)	10/26/11 07:36
2M74292.D	AC62195-001(MSD	10/26/11 07:52
2M74293.D	AC62206-013	10/26/11 08:08
2M74294.D	AC62206-007	10/26/11 08:25
2M74295.D	AC62202-012	10/26/11 08:40
2M74296.D	AC62202-010	10/26/11 08:57
2M74297.D	AC62202-009	10/26/11 09:14
2M74298.D	BLK	10/26/11 09:29
2M74299.D	BLK	10/26/11 09:46
2M74300.D	62276-001(8uL)	10/26/11 10:02
2M74301.D	BLK	10/26/11 10:17
2M74302.D	BLK	10/26/11 10:32
2M74303.D	BLK	10/26/11 10:48
2M74304.D	BLK	10/26/11 11:03
2M74305.D	BLK	10/26/11 11:18
2M74306.D	BLK	10/26/11 11:34

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 2

Data File: 2M74238.D
Analysis Date: 10/25/11 11:52
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.620 to 4.649 min

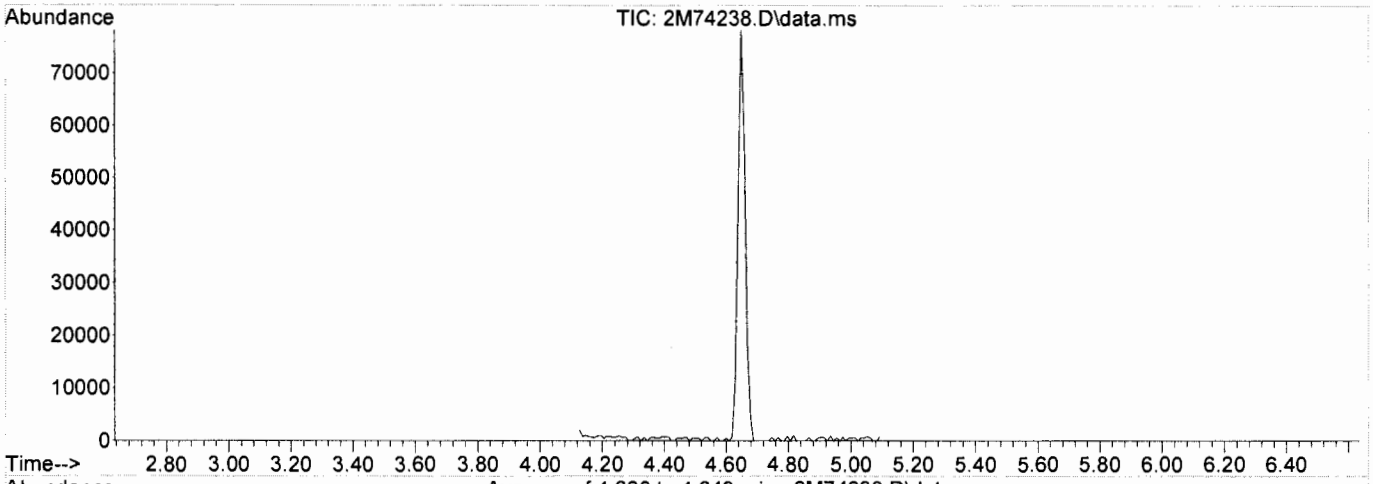
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	18.0	1426	PASS
75	95	30	60	43.8	3465	PASS
95	95	100	100	100.0	7914	PASS
96	95	5	9	7.0	554	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	82.5	6529	PASS
175	174	5	9	7.0	457	PASS
176	174	95	101	100.7	6576	PASS
177	176	5	9	7.8	516	PASS

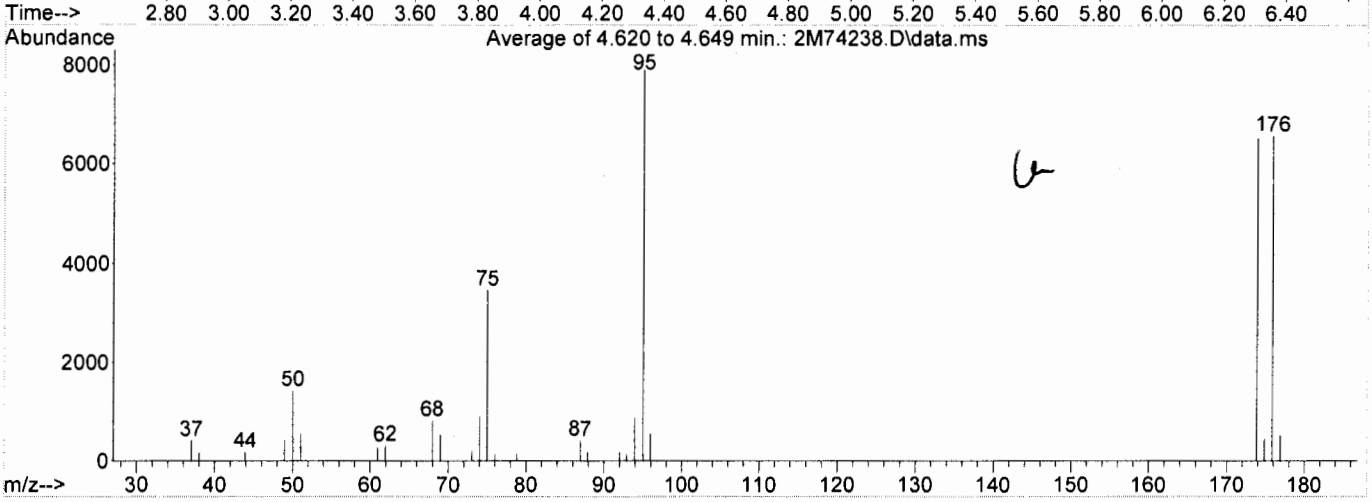
2M74307.D	62273-001(8uL)	10/26/11 11:52
2M74308.D	BLK	10/26/11 12:09
2M74309.D	62287-001	10/26/11 12:25
2M74310.D	62287-003	10/26/11 12:42
2M74311.D	62288-001	10/26/11 12:58
2M74312.D	62288-003	10/26/11 13:13
2M74313.D	62288-005	10/26/11 13:29
2M74314.D	62288-007	10/26/11 13:45
2M74315.D	BLK	10/26/11 14:02
2M74316.D	BLK	10/26/11 14:19
2M74317.D	BLK	10/26/11 14:34
2M74318.D	BLK	10/26/11 14:50
2M74319.D	BLK	10/26/11 15:06
2M74320.D	BLK	10/26/11 15:22

Data Path : G:\GcMsData\2011\GCMS_2\Data\10-25-11\
Data File : 2M74238.D
Acq On : 25 Oct 2011 11:52
Operator : WP
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2011\GCMS_2\MethodQt\2M_A1024.M
Title : @GCMS_2,ug,624,8260
Last Update : Mon Oct 24 14:46:26 2011





Spectrum Information: Average of 4.620 to 4.649 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.0	1426	PASS
75	95	30	60	43.8	3465	PASS
95	95	100	100	100.0	7914	PASS
96	95	5	9	7.0	554	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	82.5	6529	PASS
175	174	5	9	7.0	457	PASS
176	174	95	101	100.7	6576	PASS
177	176	5	9	7.8	516	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 3

Data File: 3M01039.D
Analysis Date: 10/26/11 07:05
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.454 to 4.474 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	21.4	5894	PASS
75	95	30	60	59.6	16372	PASS
95	95	100	100	100.0	27491	PASS
96	95	5	9	6.3	1724	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	95.8	26325	PASS
175	174	5	9	8.2	2166	PASS
176	174	95	101	97.0	25524	PASS
177	176	5	9	5.9	1499	PASS

Data File	Sample Number	Analysis Date:
3M01040.D	CAL @ 20 PPB	10/26/11 07:21
3M01041.D	BLK	10/26/11 07:43
3M01042.D	DAILY BLANK	10/26/11 07:59
3M01043.D	DAILY BLANK	10/26/11 08:15
3M01044.D	MBS12213	10/26/11 08:31
3M01045.D	MBS12214	10/26/11 08:47
3M01046.D	AC62216-003	10/26/11 09:03
3M01047.D	AC62207-006	10/26/11 09:18
3M01048.D	AC62242-009(500X	10/26/11 09:34
3M01049.D	AC62242-003(500X	10/26/11 09:50
3M01050.D	BLKJUG#2	10/26/11 10:07
3M01051.D	BLK	10/26/11 10:25
3M01052.D	62248-010	10/26/11 10:41
3M01053.D	AC62289-007	10/26/11 11:01
3M01054.D	AC62206-006	10/26/11 11:21
3M01055.D	AC62206-004	10/26/11 11:38
3M01056.D	AC62206-003	10/26/11 11:55
3M01057.D	AC62206-002	10/26/11 12:12
3M01058.D	AC62206-001	10/26/11 12:29
3M01059.D	BLK	10/26/11 12:46
3M01060.D	AC62274-001	10/26/11 13:02
3M01061.D	AC62242-008	10/26/11 13:19
3M01062.D	AC62249-005	10/26/11 13:36
3M01063.D	AC62242-002	10/26/11 13:52
3M01064.D	AC62242-001	10/26/11 14:09
3M01065.D	BLK	10/26/11 14:32
3M01066.D	AC62229-007	10/26/11 14:49
3M01067.D	AC62247-002	10/26/11 15:06
3M01068.D	AC62245-001(T)	10/26/11 15:23
3M01069.D	AC62245-002(T)	10/26/11 15:39
3M01070.D	EF-1V126983(1026	10/26/11 15:56
3M01071.D	AC62242-009(50X)	10/26/11 16:13
3M01072.D	AC62249-009(10X)	10/26/11 16:29
3M01073.D	AC62249-008(10X)	10/26/11 16:46
3M01074.D	BLKJUG#2	10/26/11 17:03
3M01075.D	AC62282-005	10/26/11 17:19
3M01076.D	MBS12219	10/26/11 17:36
3M01077.D	AC62276-001(8uL)	10/26/11 17:53
3M01078.D	AC62273-001(8uL)	10/26/11 18:10
3M01079.D	AC62275-001	10/26/11 18:26
3M01080.D	AC62249-006(MS)	10/26/11 18:43
3M01081.D	AC62249-006(MSD	10/26/11 19:00
3M01082.D	BLK	10/26/11 19:16
3M01083.D	BLK	10/26/11 19:32
3M01084.D	BLK	10/26/11 19:49
3M01085.D	MBS12220	10/26/11 20:06
3M01086.D	BLK	10/26/11 20:22
3M01087.D	AC62171-002(200X	10/26/11 20:39
3M01088.D	AC62171-003(500X	10/26/11 20:55
3M01089.D	AC62171-004(500X	10/26/11 21:12
3M01090.D	AC62261-002(200X	10/26/11 21:28
3M01091.D	AC62261-001(1000	10/26/11 21:45
3M01092.D	BLK	10/26/11 22:02
3M01093.D	AC62202-009(1000	10/26/11 22:19
3M01094.D	AC62202-010(1000	10/26/11 22:36
3M01095.D	AC62202-006(1000	10/26/11 22:53
3M01096.D	AC62202-005(1000	10/26/11 23:09
3M01097.D	AC62202-004(1000	10/26/11 23:26
3M01098.D	AC62202-007(1000	10/26/11 23:43
3M01099.D	AC62202-001(1000	10/26/11 23:59
3M01100.D	AC62202-008(500X	10/27/11 00:16
3M01101.D	AC62202-003(200X	10/27/11 00:33
3M01102.D	MBS12221	10/27/11 00:50
3M01103.D	BLK	10/27/11 01:06
3M01104.D	AC62207-002	10/27/11 01:23

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 3

Data File: 3M01039.D
Analysis Date: 10/26/11 07:05
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.454 to 4.474 min

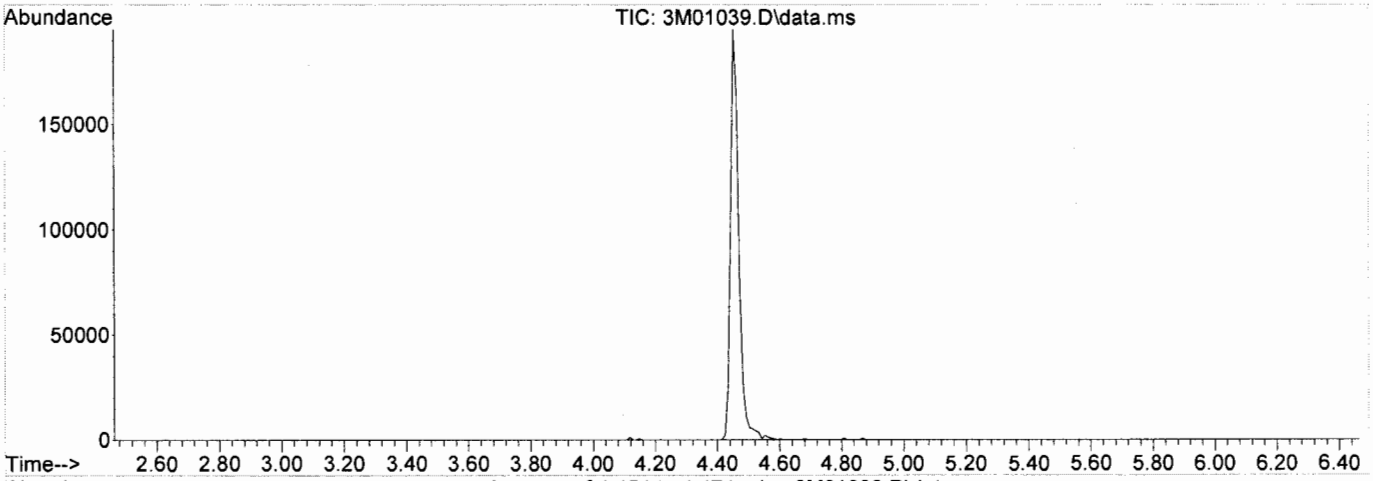
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	21.4	5894	PASS
75	95	30	60	59.6	16372	PASS
95	95	100	100	100.0	27491	PASS
96	95	5	9	6.3	1724	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	95.8	26325	PASS
175	174	5	9	8.2	2166	PASS
176	174	95	101	97.0	25524	PASS
177	176	5	9	5.9	1499	PASS

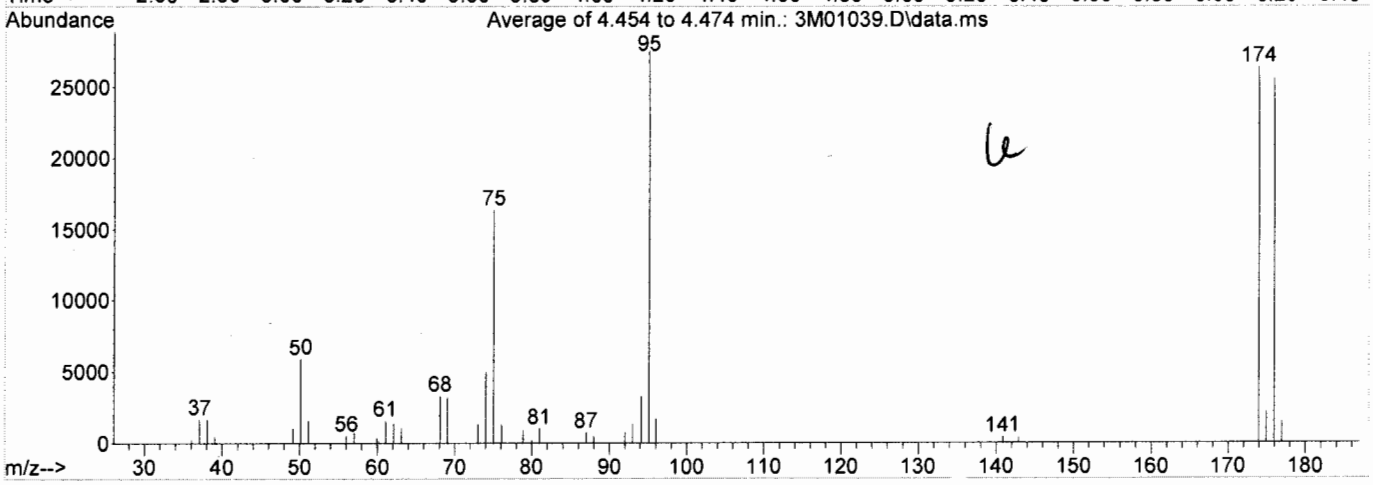
3M01105.D	AC62207-003	10/27/11 01:40
3M01106.D	AC62207-004	10/27/11 01:56
3M01107.D	AC62207-005	10/27/11 02:13
3M01108.D	AC62246-001	10/27/11 02:30
3M01109.D	AC62207-001	10/27/11 02:46
3M01110.D	BLK	10/27/11 03:03
3M01111.D	MBS12222	10/27/11 03:20
3M01112.D	BLK	10/27/11 03:37
3M01113.D	AC62206-006(MS)	10/27/11 03:53
3M01114.D	AC62206-006(MSD	10/27/11 04:10
3M01115.D	BLK	10/27/11 04:27
3M01116.D	BLK	10/27/11 04:43
3M01117.D	BLK	10/27/11 04:59
3M01118.D	BLK	10/27/11 05:15
3M01119.D	BLK	10/27/11 05:30
3M01120.D	BLK	10/27/11 05:46
3M01121.D	BLK	10/27/11 06:02
3M01122.D	BLK	10/27/11 06:17
3M01123.D	BLK	10/27/11 06:33
3M01124.D	BLK	10/27/11 06:49

Data Path : G:\GcMsData\2011\GCMS_3\Data\10-26-11\
Data File : 3M01039.D
Acq On : 26 Oct 2011 7:05
Operator : WP
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 5 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2011\GCMS_2\MethodQt\2M_A1024.M
Title : @GCMS_2,ug,624,8260
Last Update : Mon Oct 24 14:46:26 2011





Spectrum Information: Average of 4.454 to 4.474 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.4	5894	PASS
75	95	30	60	59.6	16372	PASS
95	95	100	100	100.0	27491	PASS
96	95	5	9	6.3	1724	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	95.8	26325	PASS
175	174	5	9	8.2	2166	PASS
176	174	95	101	97.0	25524	PASS
177	176	5	9	5.9	1499	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 3

Data File: 3M01128.D
Analysis Date: 10/27/11 08:23
Method: EPA 8260B

Tune Scan/Time Range: Scan 56

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	22.1	9106	PASS
75	95	30	60	57.5	23664	PASS
95	95	100	100	100.0	41120	PASS
96	95	5	9	5.3	2190	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	95.8	39392	PASS
175	174	5	9	7.1	2815	PASS
176	174	95	101	98.1	38640	PASS
177	176	5	9	5.9	2287	PASS

Data File	Sample Number	Analysis Date:
3M01129.D	CAL @ 20 PPB	10/27/11 08:40
3M01130.D	BLK	10/27/11 09:00
3M01131.D	DAILY BLANK	10/27/11 09:17
3M01132.D	DAILY BLANK	10/27/11 09:35
3M01133.D	MBS12223	10/27/11 09:51
3M01134.D	AC62229-008	10/27/11 10:08
3M01135.D	MBS12224	10/27/11 10:25
3M01136.D	BLK	10/27/11 10:42
3M01137.D	AC62242-003	10/27/11 10:59
3M01138.D	BLK	10/27/11 11:15
3M01139.D	AC62202-006	10/27/11 11:32
3M01140.D	AC62202-005	10/27/11 11:49
3M01141.D	AC62202-004	10/27/11 12:05
3M01142.D	AC62202-003	10/27/11 12:21
3M01143.D	AC62206-008	10/27/11 12:38
3M01144.D	AC62202-011	10/27/11 12:55
3M01145.D	BLK	10/27/11 13:12
3M01146.D	AC62202-001(200X	10/27/11 13:29
3M01147.D	AC62261-002(50X)	10/27/11 13:46
3M01148.D	AC62261-001(2000	10/27/11 14:03
3M01149.D	AC62202-009(1000	10/27/11 14:20
3M01150.D	AC62202-002(20X)	10/27/11 14:37
3M01151.D	MBS12229	10/27/11 14:54
3M01152.D	AC62289-006	10/27/11 15:11
3M01153.D	AC62171-020(50X)	10/27/11 15:27
3M01154.D	AC62171-021(50X)	10/27/11 15:44
3M01155.D	AC62171-022(50X)	10/27/11 16:01
3M01156.D	MBS12235	10/27/11 16:18
3M01157.D	AC62171-043(10X)	10/27/11 16:35
3M01158.D	AC62171-044(10X)	10/27/11 16:52
3M01159.D	AC62289-002	10/27/11 17:09
3M01160.D	AC62289-005	10/27/11 17:25
3M01161.D	AC62289-001	10/27/11 17:42
3M01162.D	AC62289-003	10/27/11 17:59
3M01163.D	AC62289-004	10/27/11 18:15
3M01164.D	AC62282-001(10X)	10/27/11 18:35
3M01165.D	AC62282-003(10X)	10/27/11 18:57
3M01166.D	AC62249-006(MS)	10/27/11 19:16
3M01167.D	AC62249-006(MSD	10/27/11 19:33
3M01168.D	AC62282-002	10/27/11 19:49
3M01169.D	AC62282-004	10/27/11 20:06
3M01170.D	MBS12236	10/27/11 20:22
3M01171.D	BLK	10/27/11 20:39
3M01172.D	BLK	10/27/11 20:56
3M01173.D	MBS12237	10/27/11 21:12
3M01174.D	BLK	10/27/11 21:29
3M01175.D	AC62214-001	10/27/11 21:46
3M01176.D	AC62214-003(10X)	10/27/11 22:02
3M01177.D	AC62214-006	10/27/11 22:19
3M01178.D	AC62214-007	10/27/11 22:36
3M01179.D	AC62214-008	10/27/11 22:52
3M01180.D	AC62214-009	10/27/11 23:09
3M01181.D	AC62214-010	10/27/11 23:26
3M01182.D	AC62214-011	10/27/11 23:43
3M01183.D	AC62214-012	10/28/11 00:01
3M01184.D	AC62214-013	10/28/11 00:18
3M01185.D	AC62214-014	10/28/11 00:36
3M01186.D	AC62214-015	10/28/11 00:53
3M01187.D	BLK	10/28/11 01:11
3M01188.D	AC62214-016	10/28/11 01:29
3M01189.D	AC62214-017	10/28/11 01:46
3M01190.D	AC62214-018	10/28/11 02:05
3M01191.D	AC62214-019	10/28/11 02:23
3M01192.D	AC62214-022(20X)	10/28/11 02:41
3M01193.D	AC62214-020(50X)	10/28/11 02:59

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 3

Data File: 3M01128.D
Analysis Date: 10/27/11 08:23
Method: EPA 8260B

Tune Scan/Time Range: Scan 56

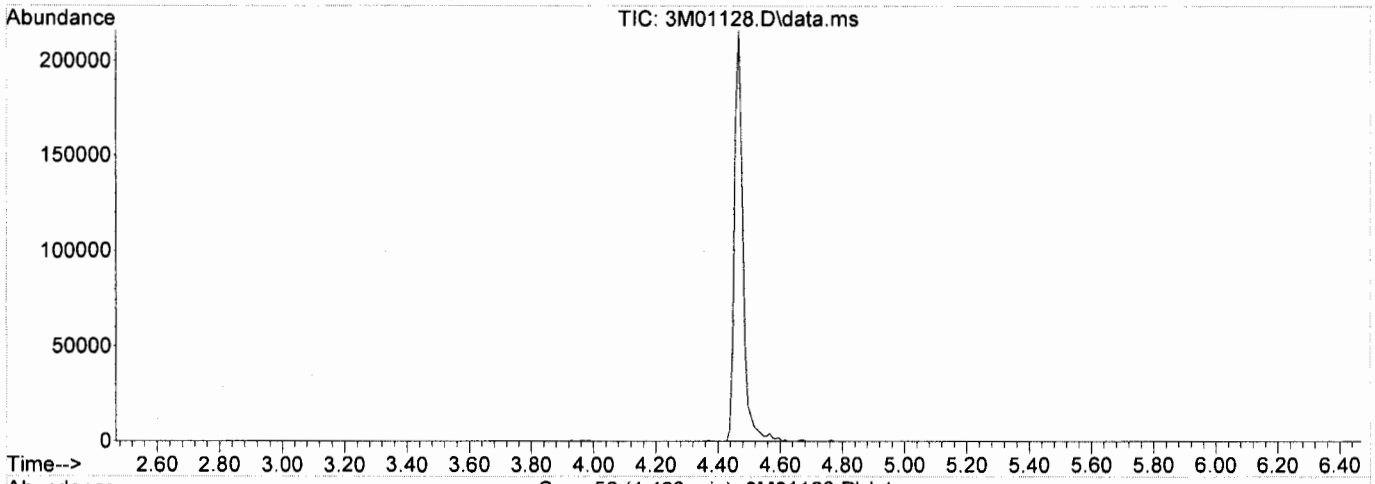
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	22.1	9106	PASS
75	95	30	60	57.5	23664	PASS
95	95	100	100	100.0	41120	PASS
96	95	5	9	5.3	2190	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	95.8	39392	PASS
175	174	5	9	7.1	2815	PASS
176	174	95	101	98.1	38640	PASS
177	176	5	9	5.9	2287	PASS

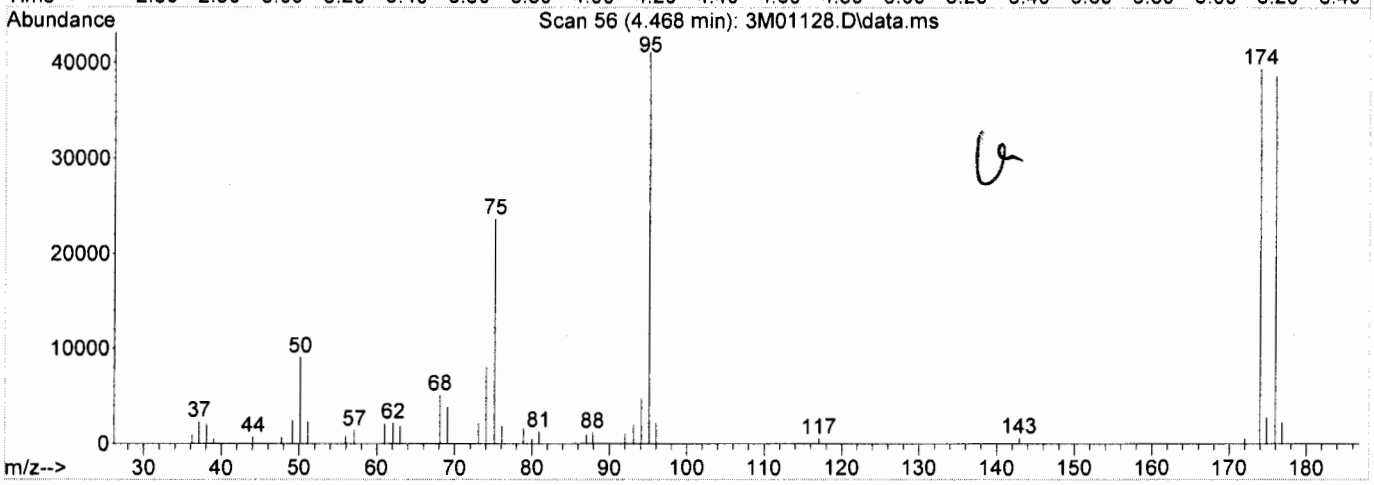
3M01194.D	AC62214-002(50X)	10/28/11 03:18
3M01195.D	MBS12238	10/28/11 06:36
3M01196.D	AC62207-002(MS)	10/28/11 06:54
3M01197.D	AC62202-002(50X)	10/28/11 07:10
3M01198.D	AC62207-002(MSD	10/28/11 07:28

Data Path : G:\GcMsData\2011\GCMS_3\Data\10-27-11\
Data File : 3M01128.D
Acq On : 27 Oct 2011 8:23
Operator : WP
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2011\GCMS_3\MethodQt\3M_A1025.M
Title : @GCMS_3,ug,624,8260
Last Update : Tue Oct 25 11:43:07 2011





Spectrum Information: Scan 56

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.1	9106	PASS
75	95	30	60	57.5	23664	PASS
95	95	100	100	100.0	41120	PASS
96	95	5	9	5.3	2190	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	95.8	39392	PASS
175	174	5	9	7.1	2815	PASS
176	174	95	101	98.1	38640	PASS
177	176	5	9	5.9	2287	PASS

Form 6
Initial Calibration

0133

Method: EPA 8260B

Instrument: GCMS_2

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	2M72795.	CAL @ 20 PPB	09/23/11 10:23	2	2M72790.	CAL @ 5 PPB	09/23/11 09:01
3	2M72796.	CAL @ 10 PPB	09/23/11 10:39	4	2M72794.	CAL @ 50 PPB	09/23/11 10:06
5	2M72793.	CAL @ 100 PPB	09/23/11 09:50	6	2M72792.	CAL @ 250 PPB	09/23/11 09:34
7	2M72791.	CAL @ 500 PPB	09/23/11 09:18	8	2M72788.	CAL @ 1 PPB	09/23/11 08:23
9	2M72789.	CAL @ 0.5 PPB	09/23/11 08:42				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Chlorodifluoromethane	1	0	Avg	0.7343	0.7589	0.8101	0.7817	0.7373	0.8580	0.7060	0.5865	-----	0.747	1.46	0.990	0.997	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dichlorodifluoromethan	1	0	Avg	0.2922	0.2595	0.3264	0.2799	0.2681	0.3308	0.2703	0.2400	-----	0.283	1.45	0.989	0.996	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloromethane	1	0	Avg	0.2866	0.3286	0.3485	0.3053	0.3020	0.3660	0.3403	0.3853	-----	0.333	1.60	0.998	0.998	10	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromomethane	1	0	Avg	0.1612	0.1508	0.1763	0.1575	0.1397	-----	-----	0.1510	-----	0.156	1.93	0.996	1.00	7.9		20.00	5.00	10.00	50.00	100.0			1.00	
Vinyl Chloride	1	0	Avg	0.2636	0.2420	0.3017	0.2860	0.2850	-----	-----	0.1998	-----	0.263	1.66	1.00	1.00	14	*(30)	20.00	5.00	10.00	50.00	100.0			1.00	
Chloroethane	1	0	Avg	0.1456	0.1433	0.1655	0.1376	0.1358	0.1513	0.1032	0.1314	-----	0.139	2.01	0.960	0.995	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichlorofluoromethane	1	0	LinF	0.5038	0.3299	0.5865	0.5092	0.4895	0.5755	-----	0.4003	-----	0.485	2.20	0.996	1.00	19		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Ethyl ether	1	0	Avg	0.3658	0.3375	0.4268	0.3824	0.3573	0.4065	0.3125	0.3856	-----	0.372	2.43	0.982	0.997	9.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Furan	1	0	Avg	0.9990	0.9613	1.1083	0.9930	0.9548	1.0982	0.8841	0.9968	-----	0.999	2.46	0.988	0.997	7.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.2-Trichloro-1.2.2-tri	1	0	Avg	0.2976	0.2521	0.3440	0.2894	0.2778	0.3148	0.2393	0.2360	-----	0.281	2.59	0.980	0.997	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methylene Chloride	1	0	Avg	0.3601	0.3734	0.4020	0.3595	0.3483	0.4078	0.3231	0.3442	-----	0.365	2.98	0.986	0.996	7.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acrolein	1	0	LinF	0.0384	0.0341	0.0460	0.0424	0.0399	0.0476	-----	0.0278	-----	0.0395	2.53	0.996	1.00	17		100.0	25.00	50.00	250.0	500.0	1250.		5.00	
Acrylonitrile	1	0	Avg	0.1720	0.1562	0.1920	0.1573	0.1573	0.1743	0.1370	0.1211	-----	0.158	3.17	0.985	0.997	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Iodomethane	1	0	Avg	0.6744	0.5552	0.7568	0.6532	0.6257	0.7206	0.5772	0.4643	-----	0.628	2.73	0.988	0.997	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acetone	1	0	Avg	0.1262	0.1208	0.1475	0.1195	0.1151	0.1339	0.1101	0.1689	-----	0.130	2.65	0.991	0.997	15		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Carbon Disulfide	1	0	Avg	0.9083	0.7936	0.9717	0.9193	0.9058	1.1031	0.9049	0.7549	-----	0.908	2.79	0.990	0.996	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
t-Butyl Alcohol	1	0	Avg	0.0327	0.0259	0.0357	0.0332	0.0327	0.0392	0.0317	0.0371	-----	0.0336	3.06	0.989	0.996	12		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
n-Hexane	1	0	Avg	0.3489	0.3047	0.4109	0.3416	0.3391	0.3933	0.3113	0.2653	-----	0.339	3.41	0.986	0.997	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Di-isopropyl-ether	1	0	Avg	1.3532	1.2643	1.5115	1.2954	1.2273	1.3939	0.9900	1.3135	-----	1.29	3.58	0.968	0.995	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1-Dichloroethene	1	0	Avg	0.5359	0.4808	0.5831	0.5171	0.5047	0.5915	0.4732	0.3862	-----	0.509	2.60	0.987	0.997	13	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl Acetate	1	0	Avg	0.4039	0.4519	0.5033	0.4055	0.4064	0.4844	0.3966	0.5258	-----	0.447	2.90	0.990	0.997	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl-t-butyl ether	1	0	LinF	0.9124	0.8620	1.0647	0.9966	0.9340	0.9916	-----	0.9119	1.6114	1.04	3.19	0.999	1.00	23		20.00	5.00	10.00	50.00	100.0	250.0		1.00	0.50
1.1-Dichloroethane	1	0	Avg	0.5638	0.5867	0.6389	0.5713	0.5573	0.6455	-----	0.4720	-----	0.577	3.55	0.997	1.00	10	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
trans-1.2-Dichloroether	1	0	Avg	0.3461	0.3377	0.3745	0.3365	0.3183	0.3548	0.2800	0.2404	-----	0.324	3.19	0.986	0.998	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1.2-Dichloroethene	1	0	Avg	0.6066	0.4538	0.7057	0.6030	0.5837	0.6489	0.5030	0.4992	-----	0.576	4.00	0.983	0.997	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromochloromethane	1	0	Avg	0.4192	0.3415	0.4569	0.4009	0.4024	0.4591	0.3682	0.3587	-----	0.401	4.17	0.988	0.997	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2.2-Dichloropropane	1	0	Avg	0.3593	0.3288	0.3605	0.3607	0.3653	0.4234	0.3310	0.3383	-----	0.358	4.00	0.984	0.996	8.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl acetate	1	0	Avg	0.4771	0.4100	0.5398	0.4322	0.4365	-----	-----	0.5853	-----	0.480	4.03	0.999	0.999	14		20.00	5.00	10.00	50.00	100.0			1.00	
1.4-Dioxane	1	0	Avg	0.0047	0.0042	0.0050	0.0045	0.0045	0.0046	-----	0.0036	-----	0.00450	5.21	1.00	1.00	9.6		1000.	250.0	500.0	2500.	5000.	1250		50.00	
1.1-Dichloropropene	1	0	Avg	0.4915	0.4621	0.5527	0.4629	0.4449	0.4659	0.3263	0.4382	-----	0.456	4.45	0.965	0.997	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloroform	1	0	Avg	0.5849	0.5470	0.6699	0.5688	0.5618	0.6451	0.5209	0.5232	-----	0.578	4.21	0.988	0.997	9.4	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromofluoromethane	1	0	Avg	0.3011	0.2996	0.3006	0.2938	0.2790	0.2657	0.2650	0.2884	0.2968	0.288	4.32	-1	-1	5.0		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Cyclohexane	1	0	Avg	0.5497	0.4792	0.6098	0.5239	0.5179	0.5803	0.4328	0.4622	-----	0.520	4.38	0.977	0.996	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichloroethane-d4	1	0	Avg	0.1701	0.1746	0.1719	0.1635	0.1624	0.1528	0.1454	0.1641	0.1704	0.164	4.55	-1	-1	5.8		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
1.2-Dichloroethane	1	0	LinF	0.5060	0.4858	0.6150	0.4922	0.4628	0.4889	-----	0.5767	0.9083	0.567	4.59	0.999	1.00	26		20.00	5.00	10.00	50.00	100.0	250.0		1.00	0.50
2-Butanone	1	0	Avg	0.1748	0.2154	0.2005	0.1794	0.1822	-----	-----	0.1846	-----	0.190	4.00	1.00	1.00	8.1		20.00	5.00	10.00	50.00	100.0			1.00	
1.1.1-Trichloroethane	1	0	Avg	0.4768	0.4472	0.5388	0.4859	0.4807	0.5424	0.4267	0.4618	-----	0.483	4.35	0.985	0.997	8.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Carbon Tetrachloride	1	0	Avg	0.4059	0.3677	0.4714	0.4198	0.3938	0.4321	0.3131	0.3505	-----	0.394	4.45	0.972	0.997	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Vinyl Acetate	1	0	Avg	1.3280	1.2338	1.5045	1.3366	1.2769	1.4552	1.0488	1.3353	-----	1.31	3.57	0.971	0.995	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromodichloromethane	1	0	Avg	0.4543	0.4205	0.5257	0.4990	0.4819	0.5507	0.4098	0.4549	-----	0.475	5.29	0.977	0.996	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methylcyclohexane	1	0	Avg	0.4502	0.4097	0.5401	0.4327	0.4340	0.4589	-----	0.3422	-----	0.438	5.11	0.999	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0		1.00	

Flags
a - failed the spcc criteria — ** - ccc compound*
b - failed the ccc criteria — *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 12
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

0134

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_2

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	2M72795.	CAL @ 20 PPB	09/23/11 10:23	2	2M72790.	CAL @ 5 PPB	09/23/11 09:01
3	2M72796.	CAL @ 10 PPB	09/23/11 10:39	4	2M72794.	CAL @ 50 PPB	09/23/11 10:06
5	2M72793.	CAL @ 100 PPB	09/23/11 09:50	6	2M72792.	CAL @ 250 PPB	09/23/11 09:34
7	2M72791.	CAL @ 500 PPB	09/23/11 09:18	8	2M72788.	CAL @ 1 PPB	09/23/11 08:23
9	2M72789.	CAL @ 0.5 PPB	09/23/11 08:42				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Dibromomethane	1	0	Avg	0.3647	0.3601	0.4181	0.3726	0.3444	0.3579	0.2502	0.3483	-----	0.352	5.21	0.964	0.997	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichloropropane	1	0	Avg	0.3871	0.3801	0.4402	0.4081	0.3863	0.4152	0.2928	0.4288	-----	0.392	5.13	0.966	0.997	12	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichloroethene	1	0	Avg	0.3936	0.3448	0.4543	0.3959	0.3757	0.4002	0.2840	0.3800	-----	0.379	4.98	0.968	0.997	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Benzene	1	0	LinF	1.3241	1.2701	1.4650	1.2579	1.1927	1.2052	-----	1.3076	1.9653	1.37	4.59	1.00	1.00	18		20.00	5.00	10.00	50.00	100.0	250.0		1.00	0.50
tert-Amyl methyl ether	1	0	Avg	0.9328	0.8494	1.0062	0.9358	0.8753	0.9473	0.6834	0.9717	-----	0.900	4.64	0.971	0.997	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Iso-propylacetate	1	0	Avg	0.9338	0.8337	0.9934	0.8969	0.8918	0.9329	0.7484	0.9017	-----	0.892	4.60	0.988	0.999	8.2		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl methacrylate	1	0	Avg	0.4907	0.4531	0.5400	0.4966	0.5016	0.5944	0.4829	0.5708	-----	0.516	5.17	0.989	0.997	9.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromochloromethane	1	0	Avg	0.4806	0.3845	0.4875	0.5011	0.5119	0.5786	0.4585	0.4535	-----	0.482	6.26	0.986	0.997	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Chloroethylvinylether	1	0	Avg	0.2830	0.2409	0.3277	0.2969	0.2995	0.3459	0.2793	0.2624	-----	0.292	5.46	0.988	0.997	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1,3-Dichloropropene	1	0	Avg	0.6286	0.5216	0.6657	0.6713	0.6895	0.7862	0.6227	0.5806	-----	0.646	5.56	0.986	0.997	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1,3-Dichloroprope	1	0	LinF	0.5325	0.3763	0.5375	0.5765	0.6105	0.7077	-----	0.4356	-----	0.540	5.89	0.997	1.00	20		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Ethyl methacrylate	1	0	Avg	0.5406	0.4865	0.6107	0.5496	0.5532	0.6044	0.4794	0.6209	-----	0.556	5.91	0.986	0.998	9.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,1,2-Trichloroethane	1	0	Avg	0.3803	0.3273	0.4410	0.3672	0.3756	0.4122	0.3219	0.3980	-----	0.378	6.01	0.984	0.997	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2-Dibromoethane	1	0	Avg	0.4515	0.4031	0.4717	0.4518	0.4477	0.5097	0.4012	0.4550	-----	0.449	6.34	0.985	0.997	7.8		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,3-Dichloropropane	1	0	Avg	0.6849	0.6639	0.7872	0.6897	0.6523	0.6640	0.4751	0.7037	-----	0.665	6.11	0.969	0.998	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Methyl-2-Pentanone	1	0	Avg	0.5384	0.4595	0.5420	0.5318	0.5420	0.6292	0.5158	0.6145	-----	0.547	5.64	0.990	0.997	9.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Hexanone	1	0	Avg	0.3881	0.3856	0.4446	0.3953	0.3994	0.4485	0.3724	0.4649	-----	0.412	6.14	0.991	0.998	8.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Tetrachloroethene	1	0	Avg	0.4608	0.3900	0.5281	0.4294	0.4028	0.3823	-----	0.3970	-----	0.427	6.11	0.999	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Toluene-d8	1	0	Avg	1.1377	1.0843	1.1339	1.1497	1.1835	1.1924	1.3294	1.1603	1.1453	1.17	5.73	-1	-1	5.8		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Toluene	1	0	Avg	1.0036	0.9239	1.1236	0.9822	0.9597	0.9850	0.7352	1.0613	-----	0.972	5.77	0.977	0.998	12	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,1,1,2-Tetrachloroetha	1	0	Avg	0.4329	0.4015	0.4513	0.4126	0.3819	0.3790	0.2599	0.3615	-----	0.385	6.67	0.959	0.998	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chlorobenzene	1	0	Avg	1.1790	1.0469	1.3414	1.1400	1.1049	1.1512	0.8469	1.2254	-----	1.13	6.63	0.974	0.998	13	**(0.300)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Butyl acrylate	1	0	Avg	1.3812	1.1443	1.4880	1.4027	1.4487	1.7256	1.4006	1.2451	-----	1.40	6.91	0.989	0.996	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Amyl acetate	1	0	Avg	1.4094	1.2989	1.5424	1.4827	1.4667	1.7682	1.4576	1.5143	-----	1.49	7.04	0.990	0.997	9.0		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromoform	1	0	Lin	0.5762	0.4700	0.6253	0.6368	0.6696	0.8305	-----	0.4918	-----	0.614	7.14	0.994	1.00	20	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Ethylbenzene	1	0	Avg	0.6452	0.5613	0.7239	0.5632	0.5274	0.5285	-----	0.6480	-----	0.600	6.68	1.00	1.00	12	*(30)	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1,1,2,2-Tetrachloroetha	1	0	Avg	0.7553	0.7217	0.8524	0.7572	0.7360	0.8346	0.6165	0.8984	-----	0.772	7.38	0.976	0.996	11	**(0.300)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromofluorobenzene	1	0	Avg	0.9276	0.8954	0.9254	0.9426	0.9804	1.0678	1.2101	0.9079	0.8797	0.971	7.32	-1	-1	11		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Styrene	1	0	Avg	1.7809	1.6910	2.0701	1.7278	1.6011	1.5921	-----	1.8812	-----	1.76	7.00	1.00	1.00	9.6		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
m&p-Xylenes	1	0	LinF	1.0120	0.9367	1.1454	0.9550	0.8840	0.8639	-----	0.9937	1.4114	1.03	6.74	0.999	1.00	17		40.00	10.00	20.00	100.0	200.0	500.0		2.00	1.00
o-Xylene	1	0	Avg	1.0272	0.9810	1.1647	0.9585	0.9304	0.9196	-----	0.9148	-----	0.985	6.99	1.00	1.00	9.0		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
trans-1,4-Dichloro-2-bu	1	0	Avg	0.3315	0.3231	0.3631	0.3457	0.3408	0.3968	0.3040	0.2843	-----	0.336	7.41	0.982	0.996	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,3-Dichlorobenzene	1	0	Avg	1.5867	1.5105	1.8310	1.5098	1.4555	1.4715	1.0570	1.5368	-----	1.49	8.01	0.970	0.998	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,4-Dichlorobenzene	1	0	Avg	1.6275	1.5321	1.7880	1.5589	1.4723	1.5886	1.1364	1.7156	-----	1.55	8.07	0.970	0.997	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2-Dichlorobenzene	1	0	Avg	1.5726	1.4704	1.7630	1.5213	1.4505	1.5650	1.1259	1.6818	-----	1.52	8.31	0.971	0.997	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Isopropylbenzene	1	0	Avg	2.6133	2.3312	2.9215	2.5621	2.4892	2.7365	2.0626	2.3355	-----	2.51	7.21	0.979	0.997	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Cyclohexanone	1	0	Avg	0.0361	0.0295	0.0409	0.0341	0.0349	0.0417	0.0331	0.0436	-----	0.0368	7.30	0.986	0.996	13		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Camphene	1	0	LinF	0.7486	0.5937	0.8505	0.7219	0.6990	0.7682	-----	0.5024	-----	0.698	7.39	0.999	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1,2,3-Trichloropropane	1	0	Avg	0.8875	0.8391	0.9558	0.8839	0.8985	0.9728	0.7067	0.8600	-----	0.876	7.42	0.972	0.997	9.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Chlorotoluene	1	0	Avg	1.4539	1.4011	1.7293	1.3826	1.3022	1.2865	-----	1.3436	-----	1.41	7.54	1.00	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
p-Ethyltoluene	1	0	Avg	2.9310	2.7180	3.4479	2.8174	2.6157	2.7275	-----	2.7885	-----	2.86	7.52	0.999	1.00	9.6		20.00	5.00	10.00	50.00	100.0	250.0		1.00	

Flags
a - failed the spcc criteria — ** - ccc compound*
b - failed the ccc criteria — *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 12
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_2

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	2M72795.	CAL @ 20 PPB	09/23/11 10:23	2	2M72790.	CAL @ 5 PPB	09/23/11 09:01
3	2M72796.	CAL @ 10 PPB	09/23/11 10:39	4	2M72794.	CAL @ 50 PPB	09/23/11 10:06
5	2M72793.	CAL @ 100 PPB	09/23/11 09:50	6	2M72792.	CAL @ 250 PPB	09/23/11 09:34
7	2M72791.	CAL @ 500 PPB	09/23/11 09:18	8	2M72788.	CAL @ 1 PPB	09/23/11 08:23
9	2M72789.	CAL @ 0.5 PPB	09/23/11 08:42				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
4-Chlorotoluene	1	0	Avg	1.4809	1.4082	1.7662	1.4645	1.4119	1.5093	1.0439	1.6365	----	1.47	7.60	0.962	0.996	14	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Propylbenzene	1	0	Avg	2.9990	2.6963	3.4533	2.9074	2.8942	3.1522	2.3509	2.7959	----	2.91	7.46	0.977	0.997	11	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromobenzene	1	0	Avg	1.8347	1.6661	2.0820	1.7935	1.7314	1.8414	1.3456	1.8287	----	1.77	7.43	0.973	0.997	12	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,3,5-Trimethylbenzene	1	0	Avg	1.8823	1.9897	2.4418	2.0413	1.8707	1.6363	----	1.6965	----	1.94	7.55	0.996	1.00	14	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Butyl methacrylate	1	0	Avg	1.2115	0.9949	1.3559	1.1641	1.2381	1.2308	0.8779	1.1826	----	1.16	7.56	0.967	0.998	13	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
t-Butylbenzene	1	0	Avg	2.1252	1.8341	2.3585	2.0902	1.9601	2.0937	1.5084	1.8784	----	1.98	7.77	0.971	0.997	13	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,4-Trimethylbenzene	1	0	Avg	2.3525	2.1882	2.7178	2.2964	2.1889	2.3009	1.6443	2.3555	----	2.26	7.79	0.969	0.997	13	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
sec-Butylbenzene	1	0	Avg	2.5439	2.1622	2.8799	2.4819	2.4152	2.6416	1.9650	2.0591	----	2.39	7.91	0.977	0.997	13	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Isopropyltoluene	1	0	Avg	2.1908	1.9192	2.4861	2.1372	2.0308	2.1088	1.4882	1.6984	----	2.01	7.99	0.966	0.997	15	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Butylbenzene	1	0	Avg	2.2982	2.0447	2.6869	2.2541	2.1707	2.2934	1.6932	1.8353	----	2.16	8.25	0.975	0.998	14	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
p-Diethylbenzene	1	0	Avg	1.2529	1.1110	1.4205	1.2263	1.1819	1.2167	0.8574	1.1061	----	1.17	8.23	0.966	0.998	14	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,4,5-Tetramethylber	1	0	Avg	2.3040	2.0534	2.6551	2.2296	2.1390	2.2457	1.6170	1.8744	----	2.14	8.74	0.970	0.997	14	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2-Dibromo-3-Chloro	1	0	Avg	0.2009	0.1785	0.2183	0.2029	0.2118	0.2622	0.2245	0.1550	----	0.207	8.81	0.993	0.997	15	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Camphor	1	0	LinF	0.0765	0.0573	0.0905	0.0751	0.0750	0.0821	----	0.0755	0.1018	0.0793	9.30	0.999	1.00	16	200.0	50.00	100.0	500.0	1000.	2500.		10.00	5.00
Hexachlorobutadiene	1	0	Avg	0.7477	0.5963	0.8717	0.7032	0.6934	0.7727	----	0.5502	----	0.705	9.44	0.998	1.00	15	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1,2,4-Trichlorobenzene	1	0	Avg	1.3486	1.1676	1.5069	1.2864	1.2234	1.2912	0.9407	1.2432	----	1.25	9.35	0.973	0.997	13	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,3-Trichlorobenzene	1	0	Avg	1.2318	1.0637	1.3691	1.1504	1.1379	1.2264	0.8810	1.2060	----	1.16	9.69	0.970	0.997	12	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Naphthalene	1	0	Avg	2.3073	1.9292	2.6751	2.1578	2.1669	2.3925	1.8258	1.9811	----	2.18	9.53	0.981	0.997	13	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Flags
a - failed the spcc criteria ** - ccc compound*
b - failed the ccc criteria *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 12
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

0136

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_3

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	3M00103.	CAL @ 20 PPB	10/12/11 10:48	2	3M00098.	CAL @ 5 PPB	10/12/11 09:29
3	3M00104.	CAL @ 10 PPB	10/12/11 11:04	4	3M00102.	CAL @ 50 PPB	10/12/11 10:33
5	3M00101.	CAL @ 100 PPB	10/12/11 10:16	6	3M00100.	CAL @ 250 PPB	10/12/11 10:01
7	3M00099.	CAL @ 500 PPB	10/12/11 09:45	8	3M00096.	CAL @ 1 PPB	10/12/11 08:52
9	3M00097.	CAL @ 0.5 PPB	10/12/11 09:10				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Chlorodifluoromethane	1	0	Avg	0.4840	0.6901	0.4704	0.4836	0.5073	0.5204	0.4964	0.5787	-----	0.529	1.29	0.999	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dichlorodifluoromethan	1	0	Avg	0.5716	0.6032	0.5345	0.5904	0.5858	0.5485	0.5498	0.6844	-----	0.584	1.28	1.00	1.00	8.1		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloromethane	1	0	LinF	0.4504	0.2962	0.4136	0.3500	0.3372	0.3173	0.3478	0.4748	-----	0.373	1.41	0.998	0.999	17	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromomethane	1	0	LinF	0.2222	0.2443	0.2189	0.1878	0.1858	-----	-----	0.4384	-----	0.250	1.72	0.999	0.999	38		20.00	5.00	10.00	50.00	100.0			1.00	
Vinyl Chloride	1	0	LinF	0.3252	0.5104	0.3113	0.3482	0.3592	0.3643	0.3676	0.4034	-----	0.374	1.47	1.00	1.00	17	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloroethane	1	0	LinF	0.1823	0.2503	0.1746	0.1694	0.1581	0.1473	0.1465	0.3587	-----	0.198	1.79	1.00	1.00	37		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichlorofluoromethane	1	0	LinF	0.5299	0.7066	0.4796	0.4649	0.4684	0.4244	0.4681	0.5388	-----	0.510	1.99	0.998	0.999	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl ether	1	0	LinF	0.2430	0.2418	0.2076	0.2247	0.2273	0.2793	0.2634	0.3421	-----	0.254	2.20	0.998	0.998	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Furan	1	0	Avg	0.5635	0.5925	0.5130	0.5305	0.5334	0.6222	0.6229	0.6490	-----	0.578	2.23	0.999	0.999	8.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.2-Trichloro-1.2.2-tri	1	0	Avg	0.2989	0.2650	0.2792	0.2755	0.2779	0.2630	0.2637	0.3746	-----	0.287	2.36	1.00	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methylene Chloride	1	0	Lin	0.3620	0.4023	0.3360	0.3447	0.3426	0.3370	0.3304	0.5159	-----	0.371	2.74	1.00	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acrolein	1	0	Avg	0.0178	0.0189	0.0163	0.0195	0.0190	0.0197	0.0197	0.0223	-----	0.0192	2.31	1.00	1.00	8.9		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Acrylonitrile	1	0	LinF	0.0818	0.0731	0.0666	0.0815	0.0820	0.0831	0.0806	0.0097	-----	0.0698	2.94	1.00	1.00	36		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Iodomethane	1	0	Avg	0.7018	0.6133	0.6554	0.6638	0.6810	0.6306	0.5992	0.5578	-----	0.638	2.49	0.999	1.00	7.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acetone	1	0	Avg	0.0700	0.0880	0.0653	0.0646	0.0654	0.0677	0.0661	0.0882	-----	0.0720	2.42	1.00	1.00	14		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Carbon Disulfide	1	0	Avg	0.7022	0.6287	0.6022	0.7016	0.7269	0.7370	0.7231	0.7026	-----	0.691	2.55	1.00	1.00	7.0		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
t-Butyl Alcohol	1	0	LinF	0.0166	0.0208	0.0172	0.0177	0.0193	0.0211	0.0198	0.0332	-----	0.0208	2.82	0.999	0.999	25		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
n-Hexane	1	0	Avg	0.1620	0.1218	0.1474	0.1576	0.1605	0.1574	0.1612	0.1620	-----	0.154	3.15	1.00	1.00	8.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Di-isopropyl-ether	1	0	Avg	0.8237	0.8092	0.7081	0.8108	0.8445	0.8115	0.7602	0.7744	-----	0.793	3.33	0.999	1.00	5.5		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1-Dichloroethene	1	0	Avg	0.4922	0.4915	0.4500	0.4851	0.4848	0.4788	0.4705	0.4098	-----	0.470	2.37	1.00	1.00	6.0	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl Acetate	1	0	Avg	0.1886	0.2160	0.1870	0.1965	0.1822	0.1929	0.1839	0.2273	-----	0.197	2.66	0.999	1.00	8.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl-t-butyl ether	1	0	LinF	0.7765	0.7180	0.6966	0.7788	0.7952	0.7738	0.6995	0.7113	1.1081	0.784	2.94	0.997	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
1.1-Dichloroethane	1	0	Avg	0.5443	0.5896	0.4831	0.5318	0.5490	0.5372	0.5273	0.5678	-----	0.541	3.29	1.00	1.00	5.8	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1.2-Dichloroether	1	0	Avg	0.3297	0.3374	0.2810	0.3140	0.3130	0.3120	0.2992	0.3106	-----	0.312	2.95	1.00	1.00	5.5		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1.2-Dichloroethene	1	0	Avg	0.5128	0.5332	0.4489	0.5189	0.5599	0.5052	0.5387	0.5386	-----	0.520	3.76	0.999	0.999	6.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromochloromethane	1	0	Avg	0.2345	0.2537	0.2126	0.2386	0.2392	0.2333	0.2297	0.2142	-----	0.232	3.95	1.00	1.00	5.8		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2.2-Dichloropropane	1	0	Avg	0.4609	0.4383	0.3765	0.4396	0.4633	0.4631	0.4521	0.3742	-----	0.434	3.76	1.00	1.00	8.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl acetate	1	0	Avg	0.2396	0.2150	0.1875	0.2370	0.2341	0.2466	0.2363	0.2773	-----	0.234	3.81	1.00	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.4-Dioxane	1	0	Avg	0.0031	0.0029	0.0030	0.0031	0.0033	0.0033	0.0030	0.0032	-----	0.00315	5.00	0.998	1.00	4.4		1000.	250.0	500.0	2500.	5000.	1250	2500	50.00	
1.1-Dichloropropene	1	0	Avg	0.4710	0.4507	0.3949	0.4672	0.4563	0.4427	0.4142	0.3800	-----	0.435	4.24	0.999	1.00	7.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloroform	1	0	Avg	0.6650	0.7201	0.5970	0.6782	0.6642	0.6456	0.6336	0.6875	-----	0.661	4.00	1.00	1.00	5.6	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromofluoromethane	1	0	Avg	0.3405	0.3645	0.3325	0.3302	0.3230	0.3183	0.3238	0.3544	0.3583	0.338	4.11	-1	-1	5.0		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Cyclohexane	1	0	Avg	0.3055	0.2704	0.2680	0.3040	0.3149	0.3043	0.3048	0.1948	-----	0.283	4.17	1.00	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichloroethane-d4	1	0	Avg	0.1840	0.1877	0.1746	0.1850	0.1713	0.1753	0.1745	0.2033	0.2000	0.184	4.34	-1	-1	6.3		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
1.2-Dichloroethane	1	0	Lin	0.6280	0.6864	0.5610	0.5921	0.5751	0.5414	0.4929	0.6569	0.9340	0.630	4.39	0.997	1.00	20		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
2-Butanone	1	0	Avg	0.0926	0.0981	0.0797	0.0996	0.0993	0.1055	0.0952	0.1037	-----	0.0968	3.78	0.997	0.999	8.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.1-Trichloroethane	1	0	Avg	0.6092	0.6352	0.5557	0.6064	0.6126	0.5987	0.5807	0.6066	-----	0.601	4.13	1.00	1.00	3.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Carbon Tetrachloride	1	0	Avg	0.5440	0.5781	0.4857	0.5343	0.5547	0.5210	0.4867	0.5318	-----	0.530	4.24	0.999	1.00	6.0		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Vinyl Acetate	1	0	Avg	0.8384	0.7903	0.7569	0.8537	0.8548	0.8515	0.7914	0.7556	-----	0.812	3.32	0.999	1.00	5.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromodichloromethane	1	0	Avg	0.5418	0.5466	0.4549	0.5329	0.5558	0.5623	0.5472	0.5405	-----	0.535	5.08	1.00	1.00	6.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methylcyclohexane	1	0	Avg	0.2528	0.2000	0.2228	0.2569	0.2515	0.2504	0.2522	0.2019	-----	0.236	4.89	1.00	1.00	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Flags
a - failed the spcc criteria — ** - ccc compound*
b - failed the ccc criteria — *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 11.4
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_3

0137

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	3M00103.	CAL @ 20 PPB	10/12/11 10:48	2	3M00098.	CAL @ 5 PPB	10/12/11 09:29
3	3M00104.	CAL @ 10 PPB	10/12/11 11:04	4	3M00102.	CAL @ 50 PPB	10/12/11 10:33
5	3M00101.	CAL @ 100 PPB	10/12/11 10:16	6	3M00100.	CAL @ 250 PPB	10/12/11 10:01
7	3M00099.	CAL @ 500 PPB	10/12/11 09:45	8	3M00096.	CAL @ 1 PPB	10/12/11 08:52
9	3M00097.	CAL @ 0.5 PPB	10/12/11 09:10				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Dibromomethane	1	0	Avg	0.3557	0.3612	0.3158	0.3559	0.3557	0.3439	0.3168	0.2984	-----	0.338	5.00	0.998	1.00	7.1		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichloropropane	1	0	Avg	0.3028	0.3075	0.2847	0.2978	0.3095	0.3068	0.2981	0.3255	-----	0.304	4.92	1.00	1.00	3.9	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichloroethene	1	0	Avg	0.4446	0.4397	0.3949	0.4265	0.4495	0.4330	0.4061	0.3879	-----	0.423	4.77	0.999	1.00	5.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Benzene	1	0	LinF	1.2039	1.2170	1.1007	1.1929	1.2073	1.1350	1.0016	1.2702	1.9449	1.25	4.38	0.996	1.00	22		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
tert-Amyl methyl ether	1	0	Avg	0.7646	0.6816	0.7085	0.7887	0.8139	0.7824	0.7186	0.6683	-----	0.741	4.44	0.998	1.00	7.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Iso-propylacetate	1	0	Avg	0.6152	0.6432	0.5388	0.6277	0.6589	0.6439	0.5975	0.8500	-----	0.647	4.41	0.998	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl methacrylate	1	0	Avg	0.3347	0.2981	0.3000	0.3134	0.3453	0.3286	0.3272	0.2922	-----	0.317	4.97	1.00	1.00	6.1		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromochloromethane	1	0	Avg	0.5636	0.5561	0.4680	0.5868	0.6164	0.6097	0.6175	0.5663	-----	0.573	6.03	1.00	1.00	8.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Chloroethylvinylether	1	0	Avg	0.1887	0.1707	0.1706	0.1994	0.2164	0.2145	0.2139	0.1402	-----	0.189	5.25	1.00	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1.3-Dichloropropene	1	0	Avg	0.6190	0.5493	0.5269	0.6653	0.6937	0.6746	0.6807	0.4549	-----	0.608	5.35	1.00	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1.3-Dichloroprope	1	0	LinF	0.5846	0.4949	0.4952	0.6222	0.6753	0.6575	0.6597	0.4181	-----	0.576	5.67	1.00	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl methacrylate	1	0	Avg	0.3603	0.3741	0.3283	0.3697	0.3828	0.3646	0.3563	0.2397	-----	0.347	5.71	1.00	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.2-Trichloroethane	1	0	Avg	0.3920	0.4527	0.3695	0.3772	0.3971	0.3732	0.3789	0.4048	-----	0.393	5.78	1.00	1.00	6.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dibromoethane	1	0	Avg	0.4442	0.4440	0.3789	0.4478	0.4611	0.4455	0.4438	0.3963	-----	0.433	6.11	1.00	1.00	6.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.3-Dichloropropane	1	0	Avg	0.6662	0.7315	0.6222	0.6311	0.6591	0.6098	0.5966	0.5904	-----	0.638	5.89	1.00	1.00	7.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Methyl-2-Pentanone	1	0	Avg	0.2722	0.3458	0.2526	0.2914	0.3037	0.3092	0.3036	0.3326	-----	0.301	5.43	1.00	1.00	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Hexanone	1	0	LinF	0.1740	0.1624	0.1168	0.1955	0.2039	0.2145	0.2139	0.0582	-----	0.167	5.92	1.00	1.00	33		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Tetrachloroethene	1	0	Avg	0.4786	0.4582	0.4262	0.4630	0.4638	0.4303	0.4100	0.4314	-----	0.445	5.87	0.999	1.00	5.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Toluene-d8	1	0	Avg	1.3121	1.3031	1.2617	1.2928	1.2749	1.2367	1.2957	1.2766	1.3428	1.29	5.51	-1	-1	2.4		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Toluene	1	0	Avg	0.9956	0.9622	0.9493	0.9714	1.0025	0.9096	0.8825	0.9843	-----	0.957	5.55	0.999	1.00	4.4	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.1.2-Tetrachloroetha	1	0	Avg	0.5268	0.5944	0.4754	0.5033	0.5245	0.4730	0.4483	0.4775	-----	0.503	6.43	0.999	1.00	9.1		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chlorobenzene	1	0	Avg	1.2340	1.3431	1.1511	1.2026	1.2574	1.1251	1.0820	1.3989	-----	1.22	6.39	0.999	1.00	8.8	**(0.300)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Butyl acrylate	1	0	LinF	0.9236	0.9031	0.7373	1.0711	1.0786	1.1237	1.0216	0.4863	-----	0.918	6.69	0.998	1.00	23		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Amyl acetate	1	0	Avg	0.9157	0.9127	0.7394	1.0161	1.0167	1.0197	0.9415	0.6695	-----	0.904	6.81	0.998	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromoform	1	0	Avg	0.5914	0.6170	0.4815	0.6149	0.6467	0.6855	0.6821	0.4804	-----	0.600	6.90	1.00	1.00	13	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethylbenzene	1	0	Avg	0.6619	0.6999	0.6148	0.6801	0.6751	0.6264	0.5887	0.6568	-----	0.651	6.44	0.999	1.00	5.7	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.2.2-Tetrachloroetha	1	0	LinF	0.6739	0.8622	0.6131	0.6607	0.6509	0.6640	0.6430	1.0317	-----	0.725	7.14	1.00	1.00	20	**(0.300)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromofluorobenzene	1	0	Avg	0.8755	0.8661	0.8374	0.8793	0.8166	0.8538	0.8484	0.8208	0.8647	0.851	7.08	-1	-1	2.7		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Styrene	1	0	Avg	1.9479	1.8842	1.7193	1.9537	1.8937	1.7744	1.5053	1.4316	-----	1.76	6.76	0.992	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
m&p-Xylenes	1	0	Avg	1.0975	1.0361	0.9948	1.0635	1.0078	0.9506	-----	0.9569	1.3187	1.05	6.51	0.999	1.00	11		40.00	10.00	20.00	100.0	200.0	500.0		2.00	1.00
o-Xylene	1	0	Avg	1.0927	1.0973	1.0071	1.0746	1.0279	0.9628	0.8715	0.9956	-----	1.02	6.75	0.997	1.00	7.5		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1.4-Dichloro-2-bu	1	0	LinF	0.1796	0.2524	0.1237	0.1628	0.1963	0.2076	0.1960	0.1337	-----	0.182	7.17	0.999	0.999	23		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.3-Dichlorobenzene	1	0	Avg	1.6287	1.7861	1.5145	1.5940	1.5094	1.4752	1.3413	1.7385	-----	1.57	7.76	0.998	1.00	9.2		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.4-Dichlorobenzene	1	0	Avg	1.7726	2.0864	1.5816	1.6855	1.6222	1.5703	1.4459	1.9922	-----	1.72	7.81	0.998	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichlorobenzene	1	0	Avg	1.6756	1.8496	1.4624	1.5645	1.5184	1.4935	1.3581	1.6440	-----	1.57	8.05	0.998	1.00	9.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Isopropylbenzene	1	0	Avg	2.7336	2.6337	2.4584	2.6493	2.5251	2.3334	1.9830	2.2866	-----	2.45	6.96	0.992	1.00	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Cyclohexanone	1	0	LinF	0.0206	0.0132	0.0234	0.0201	0.0195	0.0198	0.0178	0.0162	-----	0.0189	7.06	0.997	1.00	16		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Camphene	1	0	Avg	0.5829	0.5662	0.5112	0.5907	0.5602	0.5585	0.5086	0.5152	-----	0.549	7.14	0.998	1.00	6.0		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.3-Trichloropropane	1	0	Avg	0.8303	1.0133	0.7255	0.8755	0.8546	0.8606	0.8066	0.9123	-----	0.860	7.18	0.999	1.00	9.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Chlorotoluene	1	0	Avg	2.0052	2.1366	1.7552	1.7994	1.6840	1.4938	-----	1.6056	-----	1.78	7.29	0.997	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
p-Ethyltoluene	1	0	Avg	2.9281	2.9291	2.7551	2.7898	2.6882	2.4491	2.0736	2.2353	-----	2.61	7.28	0.992	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Flags
a - failed the spcc criteria — ** - ccc compound*
b - failed the ccc criteria — *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 11.4
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_3

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	3M00103.	CAL @ 20 PPB	10/12/11 10:48	2	3M00098.	CAL @ 5 PPB	10/12/11 09:29
3	3M00104.	CAL @ 10 PPB	10/12/11 11:04	4	3M00102.	CAL @ 50 PPB	10/12/11 10:33
5	3M00101.	CAL @ 100 PPB	10/12/11 10:16	6	3M00100.	CAL @ 250 PPB	10/12/11 10:01
7	3M00099.	CAL @ 500 PPB	10/12/11 09:45	8	3M00096.	CAL @ 1 PPB	10/12/11 08:52
9	3M00097.	CAL @ 0.5 PPB	10/12/11 09:10				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
4-Chlorotoluene	1	0	Avg	1.8254	1.9742	1.6915	1.7348	1.6207	1.5229	1.2453	1.4556	-----	1.63	7.35	0.989	1.00	14	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Propylbenzene	1	0	Avg	2.9263	2.9687	2.6345	2.8539	2.7562	2.5171	2.0268	2.3858	-----	2.63	7.22	0.986	1.00	12	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromobenzene	1	0	Avg	1.6997	2.0852	1.4487	1.6203	1.5570	1.4961	1.3669	1.8211	-----	1.64	7.18	0.998	1.00	14	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,3,5-Trimethylbenzene	1	0	Avg	2.3516	2.5139	1.9878	2.2683	2.1289	1.9799	1.5492	2.0836	-----	2.11	7.31	0.982	1.00	14	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Butyl methacrylate	1	0	Avg	0.9598	1.0277	0.7536	0.9585	0.9337	0.9439	0.8637	1.0860	-----	0.941	7.33	0.998	1.00	11	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
t-Butylbenzene	1	0	Avg	1.9735	1.9280	1.7947	1.9338	1.9150	1.8127	1.6462	1.3443	-----	1.79	7.52	0.997	1.00	12	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,4-Trimethylbenzene	1	0	Avg	2.4165	2.5290	2.2218	2.3575	2.2804	2.1228	1.8353	2.1191	-----	2.24	7.55	0.994	1.00	9.6	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
sec-Butylbenzene	1	0	Avg	2.1602	2.1020	1.9130	2.1337	2.0549	1.9478	1.7287	1.6401	-----	1.96	7.66	0.996	1.00	9.8	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Isopropyltoluene	1	0	Avg	1.9186	1.8396	1.6813	1.8746	1.8082	1.7374	1.5096	1.3365	-----	1.71	7.74	0.995	1.00	12	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Butylbenzene	1	0	Avg	1.9136	1.8623	1.7686	1.8666	1.8358	1.7829	1.6104	1.3364	-----	1.75	8.00	0.997	1.00	11	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
p-Diethylbenzene	1	0	Avg	0.9600	0.8879	0.8995	0.9567	0.9662	0.9608	0.8868	0.7237	-----	0.905	7.98	0.998	1.00	9.0	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,4,5-Tetramethylben	1	0	Avg	1.7569	1.5044	1.4510	1.7864	1.8291	1.7941	1.5874	1.1548	-----	1.61	8.48	0.996	1.00	14	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2-Dibromo-3-Chloropr	1	0	LinF	0.1438	0.1430	0.1167	0.1499	0.1645	0.1840	0.1765	0.2118	-----	0.161	8.55	0.999	0.999	18	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Camphor	1	0	LinF	0.0663	0.0573	0.0576	0.0682	0.0684	0.0699	0.0583	0.0753	0.1138	0.0706	9.03	0.992	0.999	25	200.0	50.00	100.0	500.0	1000.	2500.	5000.	10.00	5.00
Hexachlorobutadiene	1	0	LinF	0.5913	0.4569	0.5676	0.5043	0.4790	0.4044	-----	0.4337	-----	0.491	9.17	0.994	1.00	14	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1,2,4-Trichlorobenzene	1	0	Avg	0.9686	0.7824	0.8517	0.9256	0.9285	0.8903	0.7595	0.9774	-----	0.886	9.09	0.993	1.00	9.2	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,3-Trichlorobenzene	1	0	Avg	0.9724	0.8806	0.8792	0.9181	0.9198	0.8322	0.6940	0.9758	-----	0.884	9.42	0.990	1.00	10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Naphthalene	1	0	Avg	2.0675	1.6314	1.8053	2.0400	2.1440	2.0272	1.6016	1.9017	-----	1.90	9.26	0.984	1.00	11	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Flags
a - failed the spcc criteria — ** - ccc compound*
b - failed the ccc criteria — *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 11.4
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

0139

Method: EPA 8260B

Instrument: GCMS_1

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	1M74829.	CAL @ 50 PPB	10/21/11 13:07	2	1M74826.	CAL @ 500 PPB	10/21/11 12:19
3	1M74827.	CAL @ 250 PPB	10/21/11 12:35	4	1M74828.	CAL @ 100 PPB	10/21/11 12:51
5	1M74830.	CAL @ 20 PPB	10/21/11 13:24	6	1M74825.	CAL @ 5 PPB	10/21/11 12:03
7	1M74824.	CAL @ 2 PPB	10/21/11 11:47	8	1M74823.	CAL @ 1 PPB	10/21/11 11:31
9	1M74822.	CAL @ 0.5 PPB	10/21/11 11:15				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Chlorodifluoromethane	1	0	LinF	0.6421	0.5602	0.5998	0.5974	0.6253	1.0662	1.1726	-----	-----	0.752	1.30	0.999	1.00	34		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Dichlorodifluoromethan	1	0	Avg	0.6713	0.6418	0.6722	0.6649	0.6329	0.6836	0.7713	-----	-----	0.677	1.28	0.999	1.00	6.7		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Chloromethane	1	0	Avg	0.3163	0.2868	0.3203	0.2891	0.3032	0.4100	0.3036	-----	-----	0.319	1.40	0.997	0.999	13	**(0.100)	50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Bromomethane	1	0	LinF	0.1344	0.1277	0.1298	0.1274	0.1448	0.1580	0.1983	-----	-----	0.146	1.72	1.00	1.00	18		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Vinyl Chloride	1	0	LinF	0.2939	0.2790	0.3067	0.2899	0.3077	0.3755	0.4460	-----	-----	0.328	1.48	0.998	0.999	18	*(30)	50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Chloroethane	1	0	LinF	0.1494	0.1365	0.1502	0.1402	0.1497	0.2046	0.2657	-----	-----	0.171	1.79	0.998	0.999	28		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Trichlorofluoromethane	1	0	Avg	0.4137	0.4634	0.4403	0.3878	0.4072	0.3507	0.4452	-----	-----	0.416	1.97	0.999	1.00	9.2		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Ethyl ether	1	0	LinF	0.1071	0.1651	0.1683	0.1172	0.1749	0.1852	0.1154	-----	-----	0.148	2.18	0.996	0.996	22		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Furan	1	0	Avg	1.0206	0.9086	0.9747	1.0605	0.9915	0.9877	1.1296	-----	-----	1.01	2.20	0.998	1.00	6.9		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
1.1.2-Trichloro-1.2.2-tri	1	0	LinF	0.3792	0.2994	0.3507	0.3734	0.3722	0.4365	0.4999	-----	-----	0.387	2.34	0.993	1.00	17		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Methylene Chloride	1	0	LinF	0.3455	0.3183	0.3317	0.3550	0.3583	0.4340	0.5052	-----	-----	0.378	2.68	0.999	1.00	18		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Acrolein	1	0	Avg	0.0118	0.0125	0.0132	0.0140	0.0148	0.0112	0.0117	-----	-----	0.0128	2.26	0.999	1.00	10		250.0	2500.	1250.	500.0	100.0	25.00	10.00		
Acrylonitrile	1	0	LinF	0.0585	0.0511	0.0558	0.0627	0.0564	0.0189	0.0174	-----	-----	0.0459	2.87	0.997	1.00	42		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Iodomethane	1	0	Avg	0.5395	0.5790	0.5311	0.6208	0.5383	0.5811	0.6339	-----	-----	0.575	2.45	0.998	0.999	7.2		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Acetone	1	0	LinF	0.0450	0.0368	0.0424	0.0439	0.0533	0.0648	0.0769	-----	-----	0.0519	2.37	0.995	1.00	27		250.0	2500.	1250.	500.0	100.0	25.00	10.00		
Carbon Disulfide	1	0	Avg	1.4331	1.2411	1.3685	1.3861	1.3461	1.3325	1.3644	-----	-----	1.35	2.51	0.997	1.00	4.4		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
t-Butyl Alcohol	1	0	Avg	0.0145	0.0123	0.0140	0.0139	0.0122	0.0177	0.0131	-----	-----	0.0140	2.75	0.995	1.00	13		250.0	2500.	1250.	500.0	100.0	25.00	10.00		
n-Hexane	1	0	Avg	0.6435	0.5287	0.6057	0.6594	0.6459	0.6091	0.7238	-----	-----	0.631	3.12	0.994	1.00	9.5		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Di-isopropyl-ether	1	0	Avg	1.2739	1.0034	1.2015	1.2707	1.2580	1.0093	1.0241	-----	-----	1.15	3.28	0.990	1.00	11		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
1.1-Dichloroethene	1	0	Avg	0.7005	0.5909	0.6565	0.6829	0.6812	0.6756	0.7101	-----	-----	0.671	2.34	0.997	1.00	5.9	*(30)	50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Methyl Acetate	1	0	LinF	0.1333	-----	0.1261	0.1328	0.1624	0.1971	0.2764	-----	-----	0.171	2.61	1.00	1.00	34		50.00		250.0	100.0	20.00	5.00	2.00		
Methyl-t-butyl ether	1	0	Avg	0.6376	0.4797	0.5742	0.6175	0.6712	0.6738	0.6833	0.6769	-----	0.627	2.90	0.991	1.00	11		50.00	500.0	250.0	100.0	20.00	5.00	2.00	1.00	
1.1-Dichloroethane	1	0	Avg	0.8257	0.6521	0.7572	0.7917	0.8160	0.8164	0.8295	-----	-----	0.784	3.22	0.994	1.00	8.1	**(0.100)	50.00	500.0	250.0	100.0	20.00	5.00	2.00		
trans-1.2-Dichloroether	1	0	Avg	0.3959	0.3279	0.3603	0.4037	0.4138	0.4207	0.4772	-----	-----	0.400	2.90	0.997	1.00	12		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
cis-1.2-Dichloroethene	1	0	Avg	0.7493	0.6123	0.6899	0.7399	0.7744	0.6696	0.8008	-----	-----	0.720	3.69	0.996	1.00	9.1		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Bromochloromethane	1	0	Avg	0.2765	0.2434	0.2701	0.2792	0.3053	0.3032	0.1972	-----	-----	0.268	3.88	0.997	1.00	14		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
2.2-Dichloropropane	1	0	Avg	0.5951	0.5263	0.5814	0.6449	0.5775	0.6240	0.7163	-----	-----	0.609	3.70	0.996	1.00	9.9		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Ethyl acetate	1	0	Avg	0.1861	0.1516	0.1716	0.1780	0.2014	0.1894	0.2033	-----	-----	0.183	3.74	0.996	1.00	9.8		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
1.4-Dioxane	1	0	Avg	0.0019	0.0014	0.0017	0.0019	0.0017	0.0017	0.0017	-----	-----	0.00175	4.94	0.990	1.00	9.2		2500.	2500	1250	5000.	1000.	250.0	100.0		
1.1-Dichloropropene	1	0	Avg	0.7000	0.4659	0.5948	0.6715	0.7347	0.6665	0.6851	-----	-----	0.646	4.20	0.981	1.00	14		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Chloroform	1	0	Avg	0.7337	0.6292	0.6897	0.7287	0.7252	0.7714	0.7742	-----	-----	0.722	3.93	0.998	1.00	6.9	*(30)	50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Dibromofluoromethane	1	0	Avg	0.2318	0.2419	0.2256	0.2354	0.2162	0.2655	0.2689	0.2376	0.2579	0.242	4.04	-1	-1	7.5		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Cyclohexane	1	0	Avg	0.8142	0.6359	0.7411	0.8248	0.8365	0.7407	0.6868	-----	-----	0.754	4.14	0.992	1.00	10		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
1.2-Dichloroethane-d4	1	0	Avg	0.1138	0.1097	0.1041	0.1106	0.1000	0.1191	0.1102	0.1063	0.1183	0.110	4.28	-1	-1	5.7		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
1.2-Dichloroethane	1	0	Avg	0.4934	0.3303	0.4222	0.4506	0.4918	0.5268	0.5329	-----	-----	0.464	4.32	0.982	1.00	15		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
2-Butanone	1	0	Avg	0.0800	-----	0.0732	0.0757	0.0811	0.0838	0.1039	-----	-----	0.0830	3.69	1.00	1.00	13		50.00		250.0	100.0	20.00	5.00	2.00		
1.1.1-Trichloroethane	1	0	Avg	0.6978	0.5859	0.6802	0.6893	0.7145	0.8475	0.6620	-----	-----	0.697	4.09	0.994	1.00	11		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Carbon Tetrachloride	1	0	Avg	0.5549	0.4279	0.5042	0.5815	0.5825	0.6137	0.6409	-----	-----	0.558	4.21	0.991	1.00	13		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Vinyl Acetate	1	0	LinF	0.7149	-----	0.5505	0.5269	0.4875	0.4235	0.6329	-----	-----	0.556	3.25	0.995	0.995	19		50.00		250.0	100.0	20.00	5.00	2.00		
Bromodichloromethane	1	0	Avg	0.5658	0.4787	0.5267	0.5656	0.5510	0.5525	0.6848	-----	-----	0.561	5.03	0.997	1.00	11		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Methylcyclohexane	1	0	Avg	0.7744	-----	0.6190	0.7827	0.8183	0.7260	0.7248	-----	-----	0.741	4.86	0.988	1.00	9.4		50.00		250.0	100.0	20.00	5.00	2.00		

Flags
a - failed the spcc criteria — ** - ccc compound*
b - failed the ccc criteria — *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 13.1
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

0140

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_1

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	1M74829.	CAL @ 50 PPB	10/21/11 13:07	2	1M74826.	CAL @ 500 PPB	10/21/11 12:19
3	1M74827.	CAL @ 250 PPB	10/21/11 12:35	4	1M74828.	CAL @ 100 PPB	10/21/11 12:51
5	1M74830.	CAL @ 20 PPB	10/21/11 13:24	6	1M74825.	CAL @ 5 PPB	10/21/11 12:03
7	1M74824.	CAL @ 2 PPB	10/21/11 11:47	8	1M74823.	CAL @ 1 PPB	10/21/11 11:31
9	1M74822.	CAL @ 0.5 PPB	10/21/11 11:15				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Dibromomethane	1	0	Avg	0.2551	0.2137	0.2412	0.2629	0.2681	0.3148	0.2934	-----	-----	0.264	4.94	0.996	1.00	13		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
1.2-Dichloropropane	1	0	Avg	0.4502	-----	0.3720	0.4167	0.4442	0.4101	0.3394	-----	-----	0.405	4.86	0.997	1.00	11	*(30)	50.00		250.0	100.0	20.00	5.00	2.00		
Trichloroethene	1	0	LinF	0.5027	0.3844	0.4288	0.5076	0.4686	0.5957	0.6527	-----	-----	0.506	4.74	0.995	0.999	18		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Benzene	1	0	Avg	1.7097	1.1088	1.3988	1.6025	1.7878	1.6618	1.7001	1.5463	-----	1.56	4.33	0.982	1.00	14		50.00	500.0	250.0	100.0	20.00	5.00	2.00	1.00	
tert-Amyl methyl ether	1	0	Avg	0.7263	0.5850	0.7043	0.7009	0.7388	0.6667	0.5499	-----	-----	0.667	4.40	0.991	1.00	11		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Iso-propylacetate	1	0	Avg	0.5242	0.4412	0.5287	0.5123	0.6234	0.5155	0.4538	-----	-----	0.514	4.35	0.991	0.999	12		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Methyl methacrylate	1	0	Avg	0.3023	0.2465	0.2806	0.2703	0.3135	0.2519	0.2693	-----	-----	0.276	4.91	0.996	0.999	8.9		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Dibromochloromethane	1	0	Avg	0.4801	0.4676	0.4683	0.4603	0.4231	0.4895	0.5060	-----	-----	0.471	5.99	1.00	1.00	5.5		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
2-Chloroethylvinylether	1	0	LinF	0.1868	0.1620	0.1893	0.1748	0.1923	0.1762	0.1005	-----	-----	0.169	5.20	0.994	0.999	19		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
cis-1.3-Dichloropropene	1	0	Avg	0.9087	0.7651	0.8913	0.8498	0.9188	0.8789	0.8559	-----	-----	0.867	5.30	0.994	0.999	5.9		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
trans-1.3-Dichloroprope	1	0	Avg	0.7405	0.6349	0.7012	0.6817	0.6802	0.6772	0.5043	-----	-----	0.660	5.62	0.997	1.00	11		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Ethyl methacrylate	1	0	Avg	0.3572	0.2838	0.3490	0.3324	0.3413	0.3029	0.2848	-----	-----	0.322	5.66	0.989	0.999	9.5		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
1.1.2-Trichloroethane	1	0	Avg	0.3867	0.3089	0.3605	0.3335	0.3763	0.3642	0.3014	-----	-----	0.347	5.74	0.994	0.999	9.6		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
1.2-Dibromoethane	1	0	Avg	0.3143	0.3327	0.3434	0.3254	0.3203	0.2934	0.3929	0.3390	-----	0.333	6.06	1.00	1.00	8.7		50.00	500.0	250.0	100.0	20.00	5.00	2.00	1.00	
1.3-Dichloropropane	1	0	Avg	0.6840	0.4394	0.5839	0.5893	0.6982	0.6568	0.6317	-----	-----	0.612	5.84	0.976	0.999	14		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
4-Methyl-2-Pentanone	1	0	Avg	0.2902	0.2278	0.2764	0.2627	0.3147	0.2154	0.2407	-----	-----	0.261	5.39	0.990	0.999	14		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
2-Hexanone	1	0	Avg	0.1948	0.1494	0.1892	0.1854	0.2043	0.1579	0.1795	-----	-----	0.180	5.88	0.985	0.999	11		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Tetrachloroethene	1	0	Avg	0.7916	-----	0.5775	0.6471	0.7778	0.8676	0.8404	-----	-----	0.750	5.86	0.994	0.998	15		50.00		250.0	100.0	20.00	5.00	2.00		
Toluene-d8	1	0	Avg	1.5055	1.4472	1.5086	1.3895	1.4325	1.4015	1.2851	1.4400	1.3474	1.42	5.47	-1	-1	5.1		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Toluene	1	0	Avg	1.6527	1.1165	1.3753	1.4785	1.6184	1.5585	1.3667	1.8778	-----	1.51	5.51	0.987	1.00	15	*(30)	50.00	500.0	250.0	100.0	20.00	5.00	2.00	1.00	
1.1.1.2-Tetrachloroetha	1	0	Avg	0.5682	0.3874	0.4729	0.5005	0.5274	0.6044	0.5974	-----	-----	0.523	6.40	0.988	1.00	15		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Chlorobenzene	1	0	Avg	1.7213	1.2432	1.4985	1.5601	1.7353	1.7210	1.4802	-----	-----	1.57	6.36	0.990	1.00	11	**(0.300)	50.00	500.0	250.0	100.0	20.00	5.00	2.00		
n-Butyl acrylate	1	0	LinF	0.9493	1.0293	1.2092	1.2041	1.0580	0.7595	0.7915	-----	-----	1.00	6.66	0.992	0.999	18		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
n-Amyl acetate	1	0	LinF	0.9365	-----	1.0451	1.0123	0.9809	0.5887	0.6128	-----	-----	0.863	6.78	1.00	1.00	24		50.00		250.0	100.0	20.00	5.00	2.00		
Bromoform	1	0	Avg	0.5127	0.6669	0.6550	0.6073	0.5259	0.5357	0.6022	-----	-----	0.587	6.85	0.999	1.00	11	**(0.100)	50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Ethylbenzene	1	0	Avg	0.9365	0.7652	0.9511	1.1959	1.2115	1.1135	1.1449	1.0460	-----	1.05	6.42	0.981	0.998	15	*(30)	50.00	500.0	250.0	100.0	20.00	5.00	2.00	1.00	
1.1.2.2-Tetrachloroetha	1	0	Avg	0.5634	0.6392	0.6850	0.6698	0.6363	0.5332	0.5383	-----	-----	0.609	7.10	0.998	1.00	10	**(0.300)	50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Bromofluorobenzene	1	0	Avg	0.9079	1.1504	1.0799	0.9362	0.8922	0.8134	0.9167	0.9152	0.8858	0.944	7.05	-1	-1	11		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Styrene	1	0	Avg	2.4418	1.7122	2.1482	2.6290	2.7219	2.2654	2.3733	-----	-----	2.33	6.73	0.980	0.999	14		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
m&p-Xylenes	1	0	Avg	1.4506	-----	1.2585	1.5881	1.6356	1.4252	1.7273	1.8710	1.3999	1.54	6.49	0.990	0.999	13		100.0		500.0	200.0	40.00	10.00	4.00	2.00	1.00
o-Xylene	1	0	Avg	1.3826	1.1014	1.2942	1.6058	1.6371	1.4827	1.5890	1.6384	-----	1.47	6.72	0.989	0.999	13		50.00	500.0	250.0	100.0	20.00	5.00	2.00	1.00	
trans-1.4-Dichloro-2-bu	1	0	Avg	0.4111	0.3975	0.4415	0.4755	0.4606	0.3220	0.3895	-----	-----	0.414	7.13	0.996	1.00	12		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
1.3-Dichlorobenzene	1	0	Avg	2.1417	-----	1.7942	2.1622	2.3894	2.3089	2.6338	-----	-----	2.24	7.73	0.993	1.00	13		50.00		250.0	100.0	20.00	5.00	2.00		
1.4-Dichlorobenzene	1	0	Avg	2.2599	1.8258	2.1722	2.3229	2.3901	2.1111	2.3555	-----	-----	2.21	7.78	0.991	1.00	8.8		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
1.2-Dichlorobenzene	1	0	Avg	1.9226	1.7127	1.9709	2.0279	2.1439	1.9016	1.7393	-----	-----	1.92	8.02	0.995	1.00	8.0		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Isopropylbenzene	1	0	Avg	4.7525	3.7541	4.5677	5.0003	5.0342	4.3687	5.0755	4.5666	-----	4.64	6.94	0.988	1.00	9.5		50.00	500.0	250.0	100.0	20.00	5.00	2.00	1.00	
Cyclohexanone	1	0	LinF	0.0128	0.0122	0.0137	0.0142	0.0128	0.0051	0.0179	-----	-----	0.0127	7.01	0.996	1.00	30		500.0	5000.	2500.	1000.	200.0	50.00	20.00		
Camphene	1	0	Avg	1.8904	1.4528	1.8239	2.0045	1.9260	1.8838	1.9895	-----	-----	1.85	7.13	0.984	1.00	10		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
1.2.3-Trichloropropane	1	0	Avg	0.7999	0.5996	0.7534	0.8051	0.8158	0.7494	0.7900	-----	-----	0.759	7.14	0.984	1.00	9.8		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
2-Chlorotoluene	1	0	Avg	2.3393	-----	-----	2.7267	3.1339	2.6769	3.1939	-----	-----	2.81	7.26	0.992	0.995	13		50.00			100.0	20.00	5.00	2.00		
p-Ethyltoluene	1	0	Avg	4.7727	-----	4.0079	4.7029	5.2149	4.4828	4.5548	-----	-----	4.62	7.26	0.995	1.00	8.6		50.00		250.0	100.0	20.00	5.00	2.00		

Flags
a - failed the spcc criteria ** - ccc compound*
b - failed the ccc criteria *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 13.1
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

0141

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_1

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	1M74829.	CAL @ 50 PPB	10/21/11 13:07	2	1M74826.	CAL @ 500 PPB	10/21/11 12:19
3	1M74827.	CAL @ 250 PPB	10/21/11 12:35	4	1M74828.	CAL @ 100 PPB	10/21/11 12:51
5	1M74830.	CAL @ 20 PPB	10/21/11 13:24	6	1M74825.	CAL @ 5 PPB	10/21/11 12:03
7	1M74824.	CAL @ 2 PPB	10/21/11 11:47	8	1M74823.	CAL @ 1 PPB	10/21/11 11:31
9	1M74822.	CAL @ 0.5 PPB	10/21/11 11:15				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
4-Chlorotoluene	1	0	Avg	2.7897	-----	2.5261	2.6676	2.8072	1.9739	2.0740	-----	-----	2.47	7.32	0.999	1.00	15	50.00		250.0	100.0	20.00	5.00	2.00		
n-Propylbenzene	1	0	Avg	5.5592	4.6011	5.1531	5.9644	5.9627	4.7852	5.7382	4.7720	-----	5.32	7.20	0.995	1.00	11	50.00	500.0	250.0	100.0	20.00	5.00	2.00	1.00	
Bromobenzene	1	0	Avg	2.2098	2.0738	2.5030	2.7767	2.5886	2.1584	2.8873	-----	-----	2.46	7.15	0.988	0.999	13	50.00	500.0	250.0	100.0	20.00	5.00	2.00		
1,3,5-Trimethylbenzene	1	0	Avg	3.5701	2.6512	3.1926	3.7318	3.9269	3.1660	4.0597	3.9687	-----	3.53	7.29	0.988	1.00	14	50.00	500.0	250.0	100.0	20.00	5.00	2.00	1.00	
Butyl methacrylate	1	0	LinF	1.2500	-----	1.3385	1.3769	1.3662	0.9330	1.0057	-----	-----	1.21	7.29	1.00	1.00	16	50.00		250.0	100.0	20.00	5.00	2.00		
t-Butylbenzene	1	0	Avg	3.8112	2.9193	3.7050	4.1305	4.1831	3.7418	4.0992	3.6526	-----	3.78	7.50	0.983	1.00	11	50.00	500.0	250.0	100.0	20.00	5.00	2.00	1.00	
1,2,4-Trimethylbenzene	1	0	Avg	3.8582	2.8777	3.5417	3.8304	4.0191	3.5984	3.9663	3.7811	-----	3.68	7.53	0.987	1.00	9.9	50.00	500.0	250.0	100.0	20.00	5.00	2.00	1.00	
sec-Butylbenzene	1	0	Avg	5.2622	4.0286	4.8721	5.5054	5.4503	4.7242	5.0905	4.7255	-----	4.96	7.64	0.988	1.00	9.7	50.00	500.0	250.0	100.0	20.00	5.00	2.00	1.00	
4-Isopropyltoluene	1	0	Avg	4.2014	-----	3.4752	4.1644	4.3442	3.8092	4.7788	4.2004	-----	4.14	7.72	0.993	1.00	9.9	50.00		250.0	100.0	20.00	5.00	2.00	1.00	
n-Butylbenzene	1	0	Avg	4.7578	3.6330	4.4825	5.0289	5.0805	3.9519	4.5778	3.6374	-----	4.39	7.97	0.986	1.00	13	50.00	500.0	250.0	100.0	20.00	5.00	2.00	1.00	
p-Diethylbenzene	1	0	Avg	2.1803	1.6556	2.0808	2.2921	2.3581	1.9307	2.0880	-----	-----	2.08	7.96	0.984	1.00	11	50.00	500.0	250.0	100.0	20.00	5.00	2.00		
1,2,4,5-Tetramethylber	1	0	Avg	3.3047	2.9189	3.2372	3.3703	3.3363	2.7269	2.8250	-----	-----	3.10	8.46	0.997	1.00	8.7	50.00	500.0	250.0	100.0	20.00	5.00	2.00		
1,2-Dibromo-3-Chloro	1	0	LinF	0.1133	0.1632	0.1376	0.1482	0.1142	0.1378	0.0902	-----	-----	0.129	8.50	0.994	0.999	19	50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Camphor	1	0	LinF	0.0609	-----	0.0590	0.0670	0.0626	0.0308	0.0293	-----	-----	0.0516	8.99	0.997	0.999	33	500.0		2500.	1000.	200.0	50.00	20.00		
Hexachlorobutadiene	1	0	LinF	1.4266	1.4117	1.4625	2.0476	1.2744	1.6733	2.0686	-----	-----	1.62	9.15	0.992	0.994	20	50.00	500.0	250.0	100.0	20.00	5.00	2.00		
1,2,4-Trichlorobenzene	1	0	Avg	1.4345	1.5946	1.6093	1.7489	1.6698	1.3384	1.5750	-----	-----	1.57	9.06	0.999	1.00	8.9	50.00	500.0	250.0	100.0	20.00	5.00	2.00		
1,2,3-Trichlorobenzene	1	0	Avg	1.2283	1.4041	1.3812	1.5053	1.4349	1.2567	1.4636	-----	-----	1.38	9.39	0.999	0.999	7.5	50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Naphthalene	1	0	Lin	1.9177	-----	2.1314	2.3613	2.4006	0.7844	1.1467	1.6050	-----	1.76	9.22	0.997	0.998	35	50.00		250.0	100.0	20.00	5.00	2.00	1.00	

Flags
a - failed the spcc criteria — ** - ccc compound*
b - failed the ccc criteria — *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 13.1
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_2

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	2M74193.	CAL @ 20 PPB	10/24/11 14:04	2	2M74188.	CAL @ 5 PPB	10/24/11 12:40
3	2M74194.	CAL @ 10 PPB	10/24/11 14:20	4	2M74192.	CAL @ 50 PPB	10/24/11 13:47
5	2M74191.	CAL @ 100 PPB	10/24/11 13:31	6	2M74190.	CAL @ 250 PPB	10/24/11 13:14
7	2M74189.	CAL @ 500 PPB	10/24/11 12:57	8	2M74186.	CAL @ 1 PPB	10/24/11 11:58
9	2M74187.	CAL @ 0.5 PPB	10/24/11 12:17				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Propene	1	0	Avg	0.4292	0.5056	0.4625	0.4361	0.4175	0.4486	0.4885	0.5486	----	0.467	1.43	0.998	1.00	9.5		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chlorodifluoromethane	1	0	Avg	0.4629	0.5729	0.4135	0.5160	0.4895	0.5359	0.5883	0.5241	----	0.513	1.47	0.998	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dichlorodifluoromethan	1	0	Avg	0.3459	0.4056	0.3634	0.3405	0.3284	0.3497	0.3815	0.4533	----	0.371	1.46	0.998	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloromethane	1	0	LinF	0.3104	0.3845	0.3354	0.3083	0.3080	0.3471	0.4152	0.4928	----	0.363	1.61	0.993	1.00	18	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromomethane	1	0	Avg	0.1644	0.1983	0.1682	0.1563	0.1403	----	----	0.1633	----	0.165	1.95	0.997	1.00	12		20.00	5.00	10.00	50.00	100.0			1.00	
Vinyl Chloride	1	0	LinF	0.2434	0.3297	0.2805	0.2527	0.2474	0.2681	----	0.3733	----	0.285	1.69	0.999	1.00	17	*(30)	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Chloroethane	1	0	Avg	0.1493	0.1769	0.1611	0.1461	0.1400	----	----	0.1931	----	0.161	2.02	1.00	1.00	13		20.00	5.00	10.00	50.00	100.0			1.00	
Trichlorofluoromethane	1	0	Avg	0.4469	0.5297	0.4529	0.4257	0.4203	0.4342	0.5062	0.4391	----	0.457	2.21	0.995	1.00	8.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl ether	1	0	Avg	0.3255	0.3949	0.3329	0.3411	0.3073	0.3129	0.3078	0.4258	----	0.344	2.42	1.00	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Furan	1	0	Avg	1.0061	1.2579	1.0598	0.9798	0.9322	0.9670	0.9901	1.3030	----	1.06	2.46	1.00	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Chloropropane	1	0	Avg	0.5974	0.7152	0.6476	0.5893	0.5672	0.5655	0.5555	0.6892	----	0.616	2.51	1.00	1.00	9.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1-Chloropropane	1	0	Avg	0.8397	1.0355	0.8772	0.8199	0.7465	0.7851	0.8224	1.0973	----	0.878	3.01	0.999	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.2-Trichloro-1.2.2-tri	1	0	Avg	0.2624	0.3172	0.2825	0.2702	0.2409	0.2428	0.2390	0.3342	----	0.274	2.60	1.00	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methylene Chloride	1	0	Lin	0.3603	0.4581	0.3725	0.3569	0.3302	0.3444	0.3504	0.4983	----	0.384	2.98	1.00	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acrolein	1	0	Avg	0.0281	0.0371	0.0287	0.0301	0.0286	0.0315	0.0319	0.0374	----	0.0317	2.53	1.00	1.00	12		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Acrylonitrile	1	0	Avg	0.1523	0.1812	0.1604	0.1498	0.1534	0.1600	0.1502	0.1367	----	0.156	3.18	0.999	1.00	8.2		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Iodomethane	1	0	Avg	0.6326	0.7670	0.6568	0.6299	0.5627	0.5685	0.5983	0.7239	----	0.642	2.73	0.999	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acetone	1	0	Lin	0.1150	0.1499	0.1124	0.1101	0.1021	0.1126	0.1182	0.1679	----	0.124	2.65	0.999	1.00	18		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Carbon Disulfide	1	0	Avg	0.9689	1.0841	0.9399	0.9862	0.9501	1.0392	1.1007	0.9822	----	1.01	2.79	0.999	1.00	6.1		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
t-Butyl Alcohol	1	0	Avg	0.0289	0.0312	0.0305	0.0323	0.0307	0.0329	0.0328	0.0203	----	0.0300	3.05	1.00	1.00	14		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
n-Hexane	1	0	LinF	0.3387	0.4071	0.3503	0.3343	0.3080	0.3175	0.3252	0.4898	----	0.359	3.41	1.00	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Di-isopropyl-ether	1	0	LinF	1.2515	1.4683	1.2841	1.2336	1.1304	1.0891	1.0305	1.6177	----	1.26	3.58	0.999	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1-Dichloroethene	1	0	Avg	0.4926	0.6132	0.5200	0.4707	0.4545	0.4675	0.4889	0.5612	----	0.509	2.61	0.999	1.00	11	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl Acetate	1	0	Avg	0.3218	0.4243	0.3560	0.3332	0.3072	0.3349	0.3509	0.3646	----	0.349	2.89	0.999	1.00	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl-t-butyl ether	1	0	Avg	0.8962	1.0277	0.9284	0.8707	0.8726	0.8614	0.8127	1.0694	1.1362	0.942	3.19	0.999	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
1.1-Dichloroethane	1	0	Avg	0.5649	0.6620	0.5637	0.5622	0.5300	0.5347	0.5482	0.7184	----	0.586	3.55	1.00	1.00	12	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1.2-Dichloroether	1	0	Avg	0.3265	0.4147	0.3373	0.3478	0.3124	0.3163	0.3103	0.4182	----	0.348	3.20	1.00	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1.2-Dichloroethene	1	0	Avg	0.6163	0.7311	0.6357	0.6019	0.5549	0.5498	0.5463	0.5754	----	0.601	4.00	1.00	1.00	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromochloromethane	1	0	Avg	0.3131	0.3819	0.3111	0.4047	0.3805	0.3856	0.3946	0.4248	----	0.375	4.17	1.00	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2.2-Dichloropropane	1	0	Avg	0.3312	0.3797	0.3133	0.3398	0.3186	0.3302	0.3229	0.4259	----	0.345	4.00	1.00	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl acetate	1	0	LinF	0.4330	0.4791	0.4687	0.4302	0.4223	0.4260	0.4516	0.6704	----	0.473	4.03	0.999	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.4-Dioxane	1	0	Avg	0.0046	0.0049	0.0045	0.0044	0.0042	0.0040	0.0033	0.0039	----	0.00428	5.20	0.990	1.00	12		1000.	250.0	500.0	2500.	5000.	1250	2500	50.00	
1.1-Dichloropropene	1	0	Avg	0.4487	0.5581	0.4897	0.4487	0.4075	0.3803	0.3391	0.4628	----	0.442	4.45	0.996	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloroform	1	0	Avg	0.5605	0.7077	0.5670	0.5519	0.5221	0.5276	0.5472	0.6692	----	0.582	4.21	1.00	1.00	12	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromofluoromethane	1	0	Avg	0.2750	0.2805	0.2692	0.2682	0.2701	0.2521	0.2337	0.2759	0.2801	0.267	4.32	-1	-1	5.7		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Cyclohexane	1	0	Avg	0.5149	0.6261	0.5557	0.5313	0.4923	0.4870	0.4626	0.6744	----	0.543	4.38	0.999	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichloroethane-d4	1	0	Avg	0.1517	0.1669	0.1500	0.1530	0.1554	0.1452	0.1404	0.1482	0.1659	0.153	4.54	-1	-1	5.7		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
1.2-Dichloroethane	1	0	LinF	0.4889	0.6389	0.5234	0.4879	0.4255	0.4004	0.3750	0.6603	0.7077	0.523	4.59	0.998	1.00	23		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
2-Butanone	1	0	LinF	0.1771	0.2204	0.1751	0.1802	0.1600	0.1608	0.1392	0.2582	----	0.184	4.00	0.995	1.00	21		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.1-Trichloroethane	1	0	Avg	0.4385	0.4905	0.4461	0.4281	0.4037	0.4167	0.4129	0.5342	----	0.446	4.35	1.00	1.00	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Carbon Tetrachloride	1	0	Avg	0.3780	0.4135	0.3836	0.3646	0.3466	0.3385	0.3167	0.4096	----	0.369	4.45	0.999	1.00	9.2		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Flags
a - failed the spcc criteria — ** - ccc compound*
b - failed the ccc criteria — *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 12.7
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

0143

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_2

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	2M74193.	CAL @ 20 PPB	10/24/11 14:04	2	2M74188.	CAL @ 5 PPB	10/24/11 12:40
3	2M74194.	CAL @ 10 PPB	10/24/11 14:20	4	2M74192.	CAL @ 50 PPB	10/24/11 13:47
5	2M74191.	CAL @ 100 PPB	10/24/11 13:31	6	2M74190.	CAL @ 250 PPB	10/24/11 13:14
7	2M74189.	CAL @ 500 PPB	10/24/11 12:57	8	2M74186.	CAL @ 1 PPB	10/24/11 11:58
9	2M74187.	CAL @ 0.5 PPB	10/24/11 12:17				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Vinyl Acetate	1	0	Avg	1.4543	1.6867	1.4217	1.4330	1.3278	1.3014	1.2439	1.7411	-----	1.45	3.57	0.999	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromodichloromethane	1	0	Avg	0.4525	0.5215	0.4754	0.4751	0.4561	0.4676	0.4577	0.4525	0.4315	0.466	5.29	1.00	1.00	5.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
Methylcyclohexane	1	0	Avg	0.4527	0.5112	0.4663	0.4609	0.4276	0.4079	0.3728	0.5293	-----	0.454	5.10	0.998	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromomethane	1	0	LinF	0.3801	0.4406	0.4131	0.3685	0.3280	0.2980	0.2858	0.4719	-----	0.373	5.21	0.999	1.00	18		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2-Dichloropropane	1	0	Avg	0.4161	0.4738	0.4295	0.4082	0.3741	0.3555	0.3310	0.4915	-----	0.410	5.12	0.998	1.00	14	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichloroethene	1	0	LinF	0.4124	0.4942	0.4310	0.4117	0.3669	0.3509	0.3238	0.5317	-----	0.415	4.98	0.998	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Benzene	1	0	LinF	1.2927	1.6879	1.4386	1.2855	1.1377	1.0172	-----	1.8680	1.7504	1.43	4.59	0.996	1.00	21		20.00	5.00	10.00	50.00	100.0	250.0		1.00	0.50
tert-Amyl methyl ether	1	0	Avg	0.9031	1.0465	0.9641	0.9174	0.8183	0.7897	0.7433	1.0229	-----	0.901	4.64	0.999	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Iso-propylacetate	1	0	Avg	0.9126	1.0383	0.9578	0.9082	0.8109	0.8312	0.8133	1.0903	-----	0.920	4.59	1.00	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl methacrylate	1	0	Avg	0.5008	0.6045	0.5622	0.5097	0.4833	0.5332	0.5630	0.6480	-----	0.551	5.16	0.999	1.00	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromochloromethane	1	0	Avg	0.4596	0.4652	0.4400	0.4824	0.4748	0.5065	0.5205	0.3740	-----	0.465	6.25	1.00	1.00	9.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Chloroethylvinylether	1	0	Avg	0.3055	0.3231	0.3025	0.3170	0.3074	0.3285	0.3426	0.2867	-----	0.314	5.45	0.999	1.00	5.5		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1,3-Dichloropropene	1	0	Avg	0.6394	0.6502	0.6449	0.6854	0.6536	0.7131	0.7236	0.6071	-----	0.665	5.55	1.00	1.00	5.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1,3-Dichloroprope	1	0	Avg	0.5293	0.4955	0.5364	0.5908	0.5739	0.6320	0.6487	0.5040	-----	0.564	5.88	1.00	1.00	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl methacrylate	1	0	Avg	0.5544	0.6196	0.5622	0.5844	0.5294	0.5578	0.5672	0.5768	-----	0.569	5.91	1.00	1.00	4.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,1,2-Trichloroethane	1	0	Avg	0.4142	0.4790	0.4207	0.4084	0.3754	0.3836	0.3885	0.5125	-----	0.423	6.01	1.00	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2-Dibromoethane	1	0	Avg	0.4724	0.5297	0.4753	0.4807	0.4595	0.4750	0.4819	0.5279	-----	0.488	6.34	1.00	1.00	5.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,3-Dichloropropane	1	0	LinF	0.7200	0.8562	0.7661	0.7149	0.6469	0.6114	0.5638	0.8794	-----	0.720	6.11	0.998	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Methyl-2-Pentanone	1	0	Avg	0.5365	0.5706	0.5823	0.5652	0.5211	0.5796	0.6180	0.5125	-----	0.561	5.64	0.999	1.00	6.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Hexanone	1	0	Avg	0.4009	0.3865	0.4056	0.4128	0.3773	0.4284	0.4326	0.4101	-----	0.407	6.13	0.999	1.00	4.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Tetrachloroethene	1	0	LinF	0.4643	0.5370	0.5244	0.4475	0.3916	-----	-----	0.6598	-----	0.504	6.10	0.995	1.00	18		20.00	5.00	10.00	50.00	100.0			1.00	
Toluene-d8	1	0	Avg	1.1196	1.1341	1.1568	1.1774	1.1714	1.2012	1.3358	1.1633	1.1511	1.18	5.72	-1	-1	5.4		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Toluene	1	0	LinF	1.0660	1.3003	1.1563	1.0595	0.9512	0.9310	-----	1.4919	-----	1.14	5.76	0.999	1.00	18	*(30)	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1,1,1,2-Tetrachloroeth	1	0	Avg	0.4303	0.4704	0.4421	0.4124	0.3703	0.3408	0.2996	0.4146	-----	0.398	6.67	0.995	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chlorobenzene	1	0	LinF	1.2899	1.5559	1.3479	1.2539	1.1340	1.1013	1.0318	1.8753	-----	1.32	6.62	0.999	1.00	21	**(0.300)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Butyl acrylate	1	0	Avg	1.5090	1.4894	1.4841	1.6221	1.5603	1.7355	1.7557	1.2621	-----	1.55	6.91	1.00	1.00	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Amyl acetate	1	0	Avg	1.5489	1.5420	1.5271	1.6189	1.5613	1.7716	1.8188	1.5619	-----	1.62	7.04	0.999	1.00	7.0		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromoform	1	0	Lin	0.5945	0.5618	0.5418	0.6716	0.6920	0.7931	0.8183	0.3890	-----	0.633	7.13	0.999	1.00	22	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethylbenzene	1	0	LinF	0.7410	0.8400	0.7592	0.6894	0.6078	0.5180	-----	0.9578	-----	0.731	6.67	0.994	1.00	20	*(30)	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1,1,2,2-Tetrachloroeth	1	0	Avg	0.8626	0.9381	0.8737	0.8461	0.7847	0.8216	0.7378	0.9032	-----	0.846	7.38	0.997	1.00	7.6	**(0.300)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromofluorobenzene	1	0	Avg	0.9679	0.9221	0.9412	0.9770	1.0251	1.1362	1.2343	0.9412	0.9627	1.01	7.32	-1	-1	10		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Styrene	1	0	Avg	2.0712	2.2485	2.1519	1.9650	1.7394	1.5869	-----	2.2402	-----	2.00	6.99	0.997	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
m&p-Xylenes	1	0	LinF	1.1662	1.3173	1.2603	1.0911	0.9695	0.8667	-----	1.3874	1.6134	1.21	6.74	0.996	1.00	20		40.00	10.00	20.00	100.0	200.0	500.0		2.00	1.00
o-Xylene	1	0	LinF	1.1772	1.3100	1.2627	1.1357	0.9953	0.8993	-----	1.4602	-----	1.18	6.98	0.997	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
trans-1,4-Dichloro-2-bu	1	0	Avg	0.3533	0.3640	0.3863	0.3748	0.3687	0.3843	0.3692	0.4635	-----	0.383	7.41	1.00	1.00	8.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,3-Dichlorobenzene	1	0	LinF	1.8207	2.1151	1.9346	1.7227	1.5397	1.5049	1.3454	2.4816	-----	1.81	8.01	0.997	1.00	20		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,4-Dichlorobenzene	1	0	LinF	1.8470	2.0992	1.9541	1.8015	1.6402	1.5674	1.4534	2.6565	-----	1.88	8.05	0.998	1.00	20		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2-Dichlorobenzene	1	0	LinF	1.7905	2.0538	1.9028	1.7385	1.5822	1.5792	1.4556	2.3679	-----	1.81	8.31	0.998	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Isopropylbenzene	1	0	Avg	2.9476	3.2830	3.0690	2.8971	2.7027	2.7351	2.5854	3.2677	-----	2.94	7.20	0.999	1.00	8.8		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Cyclohexanone	1	0	Avg	0.0414	0.0405	0.0433	0.0393	0.0351	0.0367	0.0377	0.0553	-----	0.0412	7.29	1.00	1.00	15		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Camphene	1	0	Avg	0.8509	0.8580	0.8584	0.8258	0.7638	0.7865	0.7329	0.9132	-----	0.824	7.39	0.999	1.00	7.2		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Flags
a - failed the spcc criteria — ** - ccc compound*
b - failed the ccc criteria — *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 12.7
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

0144

Method: EPA 8260B

Instrument: GCMS_2

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	2M74193.	CAL @ 20 PPB	10/24/11 14:04	2	2M74188.	CAL @ 5 PPB	10/24/11 12:40
3	2M74194.	CAL @ 10 PPB	10/24/11 14:20	4	2M74192.	CAL @ 50 PPB	10/24/11 13:47
5	2M74191.	CAL @ 100 PPB	10/24/11 13:31	6	2M74190.	CAL @ 250 PPB	10/24/11 13:14
7	2M74189.	CAL @ 500 PPB	10/24/11 12:57	8	2M74186.	CAL @ 1 PPB	10/24/11 11:58
9	2M74187.	CAL @ 0.5 PPB	10/24/11 12:17				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
1.2.3-Trichloropropane	1	0	Avg	1.0019	1.0183	1.0457	1.0325	0.9538	0.9560	0.8676	1.1690	-----	1.01	7.42	0.998	1.00	8.7	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Chlorotoluene	1	0	LinF	1.7491	1.9845	1.7761	1.6322	1.4103	1.2273	-----	2.0341	-----	1.69	7.53	0.995	0.999	17	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
p-Ethyltoluene	1	0	Qua	3.6468	3.7440	3.7591	3.4611	2.9843	2.6263	2.1595	4.3173	-----	3.34	7.52	0.987	1.00	21	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Chlorotoluene	1	0	LinF	1.7352	2.0153	1.8320	1.5944	1.5592	1.5045	1.2896	2.3316	-----	1.73	7.60	0.994	1.00	19	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Propylbenzene	1	0	Avg	3.6034	3.9021	3.7349	3.4678	3.1969	3.1929	2.9953	4.5234	-----	3.58	7.45	0.999	1.00	14	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromobenzene	1	0	LinF	2.1108	2.3399	1.9370	2.0693	1.8847	1.8497	1.6788	2.7348	-----	2.08	7.42	0.998	1.00	16	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.3.5-Trimethylbenzene	1	0	LinF	2.1585	2.8164	2.3075	2.0336	1.8933	1.7137	-----	3.1062	-----	2.29	7.55	0.998	1.00	22	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Butyl methacrylate	1	0	Avg	1.4629	1.3910	1.4697	1.3145	1.2112	1.2070	1.1724	1.3032	-----	1.32	7.56	1.00	1.00	8.8	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
t-Butylbenzene	1	0	Avg	2.4909	2.7590	2.6599	2.4172	2.2184	2.1447	1.9269	3.0253	-----	2.46	7.77	0.997	1.00	15	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.4-Trimethylbenzene	1	0	Avg	2.6525	2.9499	2.7924	2.5826	2.3402	2.2500	2.0493	3.1669	-----	2.60	7.80	0.998	1.00	14	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
sec-Butylbenzene	1	0	Avg	3.0770	3.2453	3.1920	2.9616	2.7315	2.7243	2.5336	3.4233	-----	2.99	7.90	0.999	1.00	10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Isopropyltoluene	1	0	Avg	2.5521	2.7520	2.7373	2.4721	2.2274	2.1369	1.8864	2.7878	-----	2.44	7.98	0.996	1.00	14	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Butylbenzene	1	0	Avg	2.7091	2.9536	2.7849	2.6342	2.3577	2.3587	2.1334	2.9996	-----	2.62	8.24	0.998	1.00	12	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
p-Diethylbenzene	1	0	Avg	1.4556	1.6059	1.4924	1.4229	1.2795	1.2444	1.1034	1.6367	-----	1.41	8.22	0.996	1.00	13	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.4.5-Tetramethylber	1	0	Avg	2.6919	2.8514	2.7764	2.5733	2.3150	2.2543	2.0370	2.9133	-----	2.55	8.73	0.997	1.00	12	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dibromo-3-Chloro	1	0	LinF	0.2143	0.1743	0.1985	0.2252	0.2269	0.2729	-----	0.1473	-----	0.209	8.81	0.996	1.00	19	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Camphor	1	0	LinF	0.0792	0.0592	0.0805	0.0783	0.0779	0.0833	0.0786	0.0528	0.0282	0.0687	9.29	0.999	1.00	27	200.0	50.00	100.0	500.0	1000.	2500.	5000.	10.00	5.00
Hexachlorobutadiene	1	0	Avg	1.0470	1.0838	1.1082	0.9560	0.9378	0.9342	0.8251	1.2178	-----	1.01	9.44	0.996	1.00	12	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.4-Trichlorobenzene	1	0	LinF	1.6525	1.7827	1.7620	1.5550	1.4060	1.3894	1.2320	2.2951	-----	1.63	9.35	0.996	1.00	20	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.3-Trichlorobenzene	1	0	LinF	1.5407	1.6389	1.6078	1.4069	1.3316	1.3362	1.1771	2.0119	-----	1.51	9.68	0.996	1.00	17	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Naphthalene	1	0	Avg	2.6419	2.5144	2.7288	2.5151	2.4286	2.4705	2.2943	3.1633	-----	2.59	9.53	0.999	1.00	10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Flags
a - failed the spcc criteria — ** - ccc compound*
b - failed the ccc criteria — *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 12.7
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_3

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	3M00970.	CAL @ 20 PPB	10/25/11 10:57	2	3M00966.	CAL @ 5 PPB	10/25/11 09:53
3	3M00972.	CAL @ 10 PPB	10/25/11 11:29	4	3M00971.	CAL @ 50 PPB	10/25/11 11:13
5	3M00969.	CAL @ 100 PPB	10/25/11 10:41	6	3M00968.	CAL @ 250 PPB	10/25/11 10:25
7	3M00967.	CAL @ 500 PPB	10/25/11 10:09	8	3M00964.	CAL @ 1 PPB	10/25/11 09:16
9	3M00965.	CAL @ 0.5 PPB	10/25/11 09:35				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Chlorodifluoromethane	1	0	Avg	0.5224	0.5537	0.4662	0.5024	0.5493	0.5612	0.5146	0.5616	----	0.529	1.28	0.998	1.00	6.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dichlorodifluoromethan	1	0	LinF	0.4266	0.6954	0.4506	0.6030	0.5239	0.5513	-----	0.7934	----	0.578	1.28	0.999	0.999	23		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Chloromethane	1	0	Avg	0.3185	0.3117	0.3640	0.2932	0.2567	0.3007	0.3401	0.4158	----	0.325	1.40	0.995	1.00	15	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromomethane	1	0	LinF	0.1980	0.2561	0.1919	0.1929	0.1979	----	-----	0.3422	----	0.230	1.71	1.00	1.00	26		20.00	5.00	10.00	50.00	100.0			1.00	
Vinyl Chloride	1	0	LinF	0.3647	0.5214	0.4119	0.3922	0.4129	0.4197	0.3879	0.5711	----	0.435	1.48	0.998	1.00	17	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloroethane	1	0	LinF	0.1861	0.2572	0.2135	0.1857	0.1581	0.1750	----	0.4345	----	0.230	1.80	0.998	0.999	42		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Trichlorofluoromethane	1	0	LinF	0.4449	0.6029	0.4925	0.4257	0.4408	0.4596	0.4803	0.7033	----	0.506	1.98	0.999	1.00	19		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl ether	1	0	LinF	0.2459	0.3620	0.2462	0.3456	0.3108	0.3165	0.3145	0.2212	----	0.295	2.19	1.00	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Furan	1	0	Avg	0.5509	0.6090	0.5585	0.5511	0.5363	0.5519	0.5141	0.6511	----	0.565	2.22	0.999	1.00	7.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.2-Trichloro-1.2.2-tri	1	0	Avg	0.3008	0.3193	0.3095	0.2940	0.2816	0.2963	0.2886	0.3293	----	0.302	2.35	1.00	1.00	5.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methylene Chloride	1	0	Avg	0.3400	0.3488	0.3259	0.3284	0.3179	0.3428	0.3223	0.4168	----	0.343	2.73	0.999	1.00	9.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acrolein	1	0	Avg	0.0168	0.0207	0.0152	0.0173	0.0180	0.0183	0.0177	0.0185	----	0.0179	2.31	1.00	1.00	8.7		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Acrylonitrile	1	0	LinF	0.0819	0.0046	0.0840	0.0849	0.0808	0.0871	0.0834	0.0180	----	0.0656	2.94	0.999	1.00	51		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Iodomethane	1	0	Avg	0.6680	0.5759	0.6742	0.6780	0.6671	0.6627	0.6212	0.5068	----	0.632	2.49	0.999	1.00	9.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acetone	1	0	Lin	0.0716	0.0874	0.0691	0.0757	0.0701	0.0769	0.0726	0.1134	----	0.0796	2.42	0.999	0.999	19		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Carbon Disulfide	1	0	Avg	0.8745	0.8446	0.8682	0.8859	0.8807	0.9646	0.9177	0.8714	----	0.888	2.54	0.999	1.00	4.2		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
t-Butyl Alcohol	1	0	Avg	0.0215	0.0207	0.0173	0.0219	0.0216	0.0236	0.0219	0.0156	----	0.0206	2.82	0.999	0.999	13		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
n-Hexane	1	0	LinF	0.1556	0.1128	0.1420	0.1493	0.1439	0.1603	0.1588	0.0315	----	0.132	3.15	1.00	1.00	33		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Di-isopropyl-ether	1	0	Avg	0.8159	0.7725	0.8172	0.8535	0.8176	0.8624	0.7941	0.8054	----	0.817	3.32	0.998	1.00	3.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1-Dichloroethene	1	0	Avg	0.4869	0.5120	0.4647	0.4881	0.4706	0.5081	0.4828	0.4737	----	0.486	2.37	0.999	1.00	3.5	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl Acetate	1	0	LinF	0.1828	0.2145	0.1924	0.1814	0.1729	0.1806	----	0.3503	----	0.211	2.66	1.00	1.00	30		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Methyl-t-butyl ether	1	0	Avg	0.8382	0.8587	0.8465	0.8520	0.8307	0.8480	0.7589	0.7199	0.6118	0.796	2.94	0.997	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
1.1-Dichloroethane	1	0	Avg	0.5239	0.5181	0.5224	0.5450	0.5249	0.5634	0.5344	0.5538	----	0.536	3.29	0.999	1.00	3.1	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1.2-Dichloroether	1	0	Avg	0.3182	0.3246	0.2910	0.3195	0.3037	0.3201	0.3031	0.3286	----	0.314	2.94	0.999	1.00	4.1		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1.2-Dichloroethene	1	0	Avg	0.5151	0.4818	0.5651	0.5765	0.5023	0.5947	0.5041	0.5565	----	0.537	3.76	0.993	0.998	7.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromochloromethane	1	0	Avg	0.2354	0.2717	0.2260	0.2381	0.2251	0.2442	0.2316	0.2512	----	0.240	3.95	0.999	1.00	6.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2.2-Dichloropropane	1	0	Avg	0.4006	0.4268	0.3803	0.4178	0.4188	0.4599	0.4488	0.4320	----	0.423	3.76	1.00	1.00	6.0		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl acetate	1	0	LinF	0.2503	0.3063	0.2503	0.2586	0.2530	0.2570	0.2394	0.1405	----	0.244	3.81	0.999	1.00	19		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.4-Dioxane	1	0	Avg	0.0033	0.0032	0.0030	0.0033	0.0033	0.0035	0.0032	0.0026	----	0.00323	4.99	0.998	1.00	8.0		1000.	250.0	500.0	2500.	5000.	1250	2500	50.00	
1.1-Dichloropropene	1	0	Avg	0.4671	0.4364	0.4483	0.4730	0.4529	0.4727	0.4383	0.3669	----	0.444	4.24	0.999	1.00	7.8		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloroform	1	0	Avg	0.6804	0.7967	0.7022	0.6932	0.6679	0.6955	0.6719	0.8289	----	0.717	4.00	1.00	1.00	8.5	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromofluoromethane	1	0	Avg	0.3289	0.3831	0.3462	0.3413	0.3333	0.3211	0.3278	0.4009	0.3970	0.353	4.11	-1	-1	8.9		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Cyclohexane	1	0	Avg	0.3109	0.2330	0.3081	0.3073	0.3055	0.3359	0.3300	0.2404	----	0.296	4.16	1.00	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichloroethane-d4	1	0	Avg	0.1855	0.2241	0.2006	0.1925	0.1806	0.1884	0.1913	0.2352	0.2448	0.205	4.34	-1	-1	12		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
1.2-Dichloroethane	1	0	Avg	0.6389	0.7474	0.6671	0.6546	0.6177	0.6092	0.5558	0.7210	0.8255	0.671	4.39	0.998	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
2-Butanone	1	0	Avg	0.1032	0.1099	0.0898	0.1019	0.0966	0.1148	0.1040	0.1046	----	0.103	3.77	0.997	0.998	7.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.1-Trichloroethane	1	0	Avg	0.6390	0.6532	0.6265	0.6742	0.6431	0.6701	0.6434	0.8079	----	0.670	4.13	1.00	1.00	8.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Carbon Tetrachloride	1	0	Avg	0.5836	0.6326	0.5838	0.5989	0.5836	0.6200	0.5630	0.7073	----	0.609	4.24	0.998	1.00	7.5		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Vinyl Acetate	1	0	Avg	0.9998	0.9572	0.9351	1.0414	1.0064	1.0612	0.9618	0.9328	----	0.987	3.32	0.998	1.00	4.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromodichloromethane	1	0	Avg	0.5236	0.5812	0.5494	0.5933	0.5617	0.6238	0.5878	0.5978	0.6223	0.582	5.08	0.999	0.999	5.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
Methylcyclohexane	1	0	LinF	0.2503	0.1896	0.2453	0.2569	0.2539	0.2768	0.2733	0.1759	----	0.240	4.89	1.00	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Flags
a - failed the spcc criteria — ** - ccc compound*
b - failed the ccc criteria — *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 13.3
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

0146

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_3

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	3M00970.	CAL @ 20 PPB	10/25/11 10:57	2	3M00966.	CAL @ 5 PPB	10/25/11 09:53
3	3M00972.	CAL @ 10 PPB	10/25/11 11:29	4	3M00971.	CAL @ 50 PPB	10/25/11 11:13
5	3M00969.	CAL @ 100 PPB	10/25/11 10:41	6	3M00968.	CAL @ 250 PPB	10/25/11 10:25
7	3M00967.	CAL @ 500 PPB	10/25/11 10:09	8	3M00964.	CAL @ 1 PPB	10/25/11 09:16
9	3M00965.	CAL @ 0.5 PPB	10/25/11 09:35				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Dibromomethane	1	0	Avg	0.3510	0.3180	0.3334	0.3631	0.3608	0.3526	0.3293	0.2986	-----	0.338	4.99	0.999	1.00	6.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichloropropane	1	0	Avg	0.3054	0.2840	0.2996	0.3068	0.3033	0.3152	0.3000	0.3796	-----	0.312	4.92	0.999	1.00	9.2	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichloroethene	1	0	Avg	0.4258	0.3804	0.4349	0.4301	0.4216	0.4488	0.4229	0.3279	-----	0.412	4.77	0.999	1.00	9.5		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Benzene	1	0	Avg	1.2092	1.0955	1.1881	1.1992	1.1445	1.1873	1.0630	1.2621	1.4123	1.20	4.38	0.997	1.00	8.5		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
tert-Amyl methyl ether	1	0	Avg	0.7712	0.6269	0.7699	0.8221	0.7994	0.8225	0.7411	0.6762	-----	0.754	4.44	0.997	1.00	9.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Iso-propylacetate	1	0	Avg	0.6820	0.5854	0.6146	0.6849	0.7101	0.6652	0.6481	0.5323	-----	0.640	4.41	1.00	1.00	9.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl methacrylate	1	0	Avg	0.3705	0.3413	0.2946	0.3714	0.3596	0.3527	0.3565	0.2775	-----	0.341	4.96	1.00	1.00	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromochloromethane	1	0	Avg	0.5528	0.5418	0.5570	0.6207	0.6417	0.6568	0.6593	0.5942	-----	0.603	6.04	1.00	1.00	8.0		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Chloroethylvinylether	1	0	LinF	0.2118	0.1381	0.1703	0.2202	0.2234	0.2251	0.2255	0.0798	-----	0.187	5.25	1.00	1.00	29		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1.3-Dichloropropene	1	0	LinF	0.6095	0.4950	0.5364	0.6417	0.6665	0.7074	0.7137	0.4668	-----	0.605	5.34	1.00	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1.3-Dichloroprope	1	0	LinF	0.5826	0.4859	0.4940	0.6171	0.6612	0.6875	0.7022	0.3809	-----	0.576	5.67	1.00	1.00	20		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl methacrylate	1	0	Avg	0.3781	0.3183	0.3226	0.4053	0.4042	0.3968	0.3860	0.3433	-----	0.369	5.71	1.00	1.00	9.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.2-Trichloroethane	1	0	Avg	0.4026	0.4144	0.3753	0.4057	0.3966	0.4007	0.3989	0.4232	-----	0.402	5.79	1.00	1.00	3.5		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dibromoethane	1	0	Avg	0.4660	0.4694	0.4446	0.4661	0.4574	0.4810	0.4784	0.5279	-----	0.474	6.11	1.00	1.00	5.2		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.3-Dichloropropane	1	0	Avg	0.6608	0.7159	0.6385	0.6550	0.6580	0.6519	0.6423	0.5542	-----	0.647	5.89	1.00	1.00	6.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Methyl-2-Pentanone	1	0	Avg	0.3353	0.2999	0.3359	0.3457	0.3398	0.3501	0.3498	0.3351	-----	0.337	5.43	1.00	1.00	4.8		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Hexanone	1	0	LinF	0.1980	0.1390	0.1490	0.2250	0.2406	0.2436	0.2536	0.0437	-----	0.187	5.92	1.00	1.00	39		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Tetrachloroethene	1	0	Avg	0.4963	0.4504	0.4836	0.4668	0.4522	0.4719	0.4477	0.4764	-----	0.468	5.88	0.999	1.00	3.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Toluene-d8	1	0	Avg	1.2795	1.3160	1.2578	1.2653	1.2871	1.2700	1.2952	1.3527	1.2979	1.29	5.51	-1	-1	2.3		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Toluene	1	0	Avg	0.9899	0.9429	0.9828	1.0099	0.9846	0.9853	0.9414	1.1570	-----	0.999	5.55	1.00	1.00	6.8	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.1.2-Tetrachloroethe	1	0	Avg	0.5324	0.4924	0.5024	0.5496	0.5379	0.5324	0.5085	0.4507	-----	0.513	6.43	0.999	1.00	6.2		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chlorobenzene	1	0	Avg	1.2470	1.1801	1.1965	1.2363	1.2228	1.2101	1.1535	1.2586	-----	1.21	6.39	0.999	1.00	2.9	**(0.300)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Butyl acrylate	1	0	LinF	0.9009	0.6343	0.7940	1.0447	1.0502	1.0811	1.0148	0.2587	-----	0.847	6.69	0.999	1.00	33		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Amyl acetate	1	0	LinF	0.9391	0.5779	0.7760	1.0502	1.0420	1.0199	0.9620	0.0666	-----	0.804	6.82	0.999	1.00	42		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromoform	1	0	Lin	0.5852	0.4869	0.5268	0.6548	0.6594	0.6948	0.6976	0.4456	-----	0.594	6.90	1.00	1.00	16	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethylbenzene	1	0	Avg	0.6847	0.5658	0.6556	0.6817	0.6570	0.6474	0.6363	0.7611	-----	0.661	6.45	1.00	1.00	8.3	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.2.2-Tetrachloroethe	1	0	Avg	0.6295	0.6708	0.6978	0.6604	0.6590	0.6426	0.6452	0.7620	-----	0.671	7.14	1.00	1.00	6.3	**(0.300)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromofluorobenzene	1	0	Avg	0.8436	0.8230	0.8603	0.8701	0.8281	0.8495	0.8266	0.8408	0.8702	0.846	7.08	-1	-1	2.2		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Styrene	1	0	LinF	1.8953	1.5414	1.7428	1.8924	1.8216	1.7653	1.5601	1.1055	-----	1.67	6.76	0.996	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
m&p-Xylenes	1	0	Avg	1.0444	0.9028	0.9906	1.0621	0.9808	0.9468	0.8244	0.9010	0.7948	0.939	6.51	0.995	1.00	9.8		40.00	10.00	20.00	100.0	200.0	500.0	1000.	2.00	1.00
o-Xylene	1	0	Avg	1.0550	0.8291	1.0725	1.0608	1.0133	0.9746	0.8891	0.8067	-----	0.963	6.75	0.998	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1.4-Dichloro-2-bu	1	0	LinF	0.1528	0.1371	0.1948	0.1826	0.1792	0.2041	0.2083	0.0598	-----	0.165	7.17	0.999	1.00	30		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.3-Dichlorobenzene	1	0	Avg	1.6156	1.5030	1.5898	1.5677	1.5485	1.4373	1.3935	1.5978	-----	1.53	7.76	0.999	1.00	5.2		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.4-Dichlorobenzene	1	0	Avg	1.7284	1.5474	1.7687	1.6462	1.6409	1.5195	1.4675	1.9207	-----	1.65	7.81	0.999	1.00	9.0		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichlorobenzene	1	0	Avg	1.6002	1.4977	1.6427	1.5181	1.5174	1.5016	1.3410	1.6003	-----	1.53	8.06	0.997	1.00	6.1		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Isopropylbenzene	1	0	Avg	2.7647	2.2793	2.5470	2.7016	2.6074	2.4397	2.1442	1.9355	-----	2.43	6.97	0.995	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Cyclohexanone	1	0	LinF	0.0168	0.0273	0.0229	0.0184	0.0189	0.0185	0.0182	0.0332	-----	0.0218	7.05	1.00	1.00	26		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Camphene	1	0	Avg	0.6377	0.5094	0.6783	0.6064	0.6091	0.5955	0.5747	0.7043	-----	0.614	7.14	1.00	1.00	9.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.3-Trichloropropane	1	0	Avg	0.8763	0.9096	0.8776	0.8791	0.8639	0.8585	0.8390	1.1996	-----	0.913	7.19	1.00	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Chlorotoluene	1	0	Avg	1.8404	1.9790	2.0245	1.8939	1.8063	1.5503	1.2687	1.9113	-----	1.78	7.29	0.986	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
p-Ethyltoluene	1	0	Avg	3.1507	2.5649	2.6821	2.9213	2.7799	2.7498	2.2321	2.1746	-----	2.66	7.28	0.988	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Flags
a - failed the spcc criteria — ** - ccc compound*
b - failed the ccc criteria — *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 13.3
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_3

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	3M00970.	CAL @ 20 PPB	10/25/11 10:57	2	3M00966.	CAL @ 5 PPB	10/25/11 09:53
3	3M00972.	CAL @ 10 PPB	10/25/11 11:29	4	3M00971.	CAL @ 50 PPB	10/25/11 11:13
5	3M00969.	CAL @ 100 PPB	10/25/11 10:41	6	3M00968.	CAL @ 250 PPB	10/25/11 10:25
7	3M00967.	CAL @ 500 PPB	10/25/11 10:09	8	3M00964.	CAL @ 1 PPB	10/25/11 09:16
9	3M00965.	CAL @ 0.5 PPB	10/25/11 09:35				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
4-Chlorotoluene	1	0	Avg	1.8388	1.8598	1.8878	1.8175	1.6675	1.6567	-----	1.1439	-----	1.70	7.35	1.00	1.00	15	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
n-Propylbenzene	1	0	Avg	3.0207	2.6139	2.8972	2.9331	2.8412	2.6312	2.2407	2.8128	-----	2.75	7.22	0.992	1.00	9.0	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromobenzene	1	0	Avg	1.6855	1.7559	1.6701	1.6841	1.5879	1.5166	1.4304	1.5813	-----	1.61	7.19	0.999	1.00	6.6	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,3,5-Trimethylbenzene	1	0	Avg	2.2315	2.1376	2.4509	2.3514	2.2440	1.8697	1.7299	2.1370	-----	2.14	7.31	0.996	0.999	11	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Butyl methacrylate	1	0	LinF	0.9674	0.7890	0.8596	0.9990	0.9730	0.9501	0.9022	0.5694	-----	0.876	7.33	0.999	1.00	16	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
t-Butylbenzene	1	0	Avg	2.0661	1.7212	2.0655	2.0234	1.9588	1.9427	1.7881	1.6387	-----	1.90	7.52	0.998	1.00	8.6	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,4-Trimethylbenzene	1	0	Avg	2.5824	2.0427	2.4465	2.4511	2.3545	2.2902	2.0073	1.8622	-----	2.25	7.55	0.995	1.00	11	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
sec-Butylbenzene	1	0	Avg	2.2546	1.8681	2.2351	2.1327	2.0865	2.0609	1.8436	1.7422	-----	2.03	7.66	0.997	1.00	9.3	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Isopropyltoluene	1	0	Avg	2.0184	1.5459	1.9605	1.9090	1.9033	1.8273	1.6518	1.2429	-----	1.76	7.74	0.997	1.00	15	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Butylbenzene	1	0	Avg	2.0248	1.5217	1.9659	1.9020	1.9195	1.9010	1.7418	1.6318	-----	1.83	8.00	0.998	1.00	9.6	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
p-Diethylbenzene	1	0	LinF	1.0277	0.6263	1.0000	0.9983	1.0055	1.0012	0.9403	0.7455	-----	0.918	7.98	0.999	1.00	16	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,4,5-Tetramethylber	1	0	LinF	1.8843	1.2023	1.7434	1.8286	1.8799	1.9003	1.7244	1.0675	-----	1.65	8.49	0.998	1.00	20	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2-Dibromo-3-Chloropr	1	0	LinF	0.1575	0.1218	0.1434	0.1492	0.1682	0.1753	0.1765	0.0236	-----	0.139	8.55	1.00	1.00	36	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Camphor	1	0	LinF	0.0800	0.0401	0.0679	0.0593	0.0677	0.0669	0.0613	0.0344	0.0101	0.0542	9.03	0.998	1.00	40	200.0	50.00	100.0	500.0	1000.	2500.	5000.	10.00	5.00
Hexachlorobutadiene	1	0	LinF	0.7625	0.4251	0.6440	0.4559	0.4682	0.4650	0.3862	0.4480	-----	0.507	9.18	0.991	0.999	25	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,4-Trichlorobenzene	1	0	LinF	1.1231	0.6747	0.9375	0.8611	0.9267	0.9006	0.8017	0.5908	-----	0.852	9.09	0.996	1.00	19	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,3-Trichlorobenzene	1	0	LinF	1.1291	0.6363	1.0365	0.7851	0.9015	0.8335	0.7250	0.6306	-----	0.835	9.42	0.994	0.999	22	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Naphthalene	1	0	LinF	2.3973	1.1085	2.1702	1.7452	2.0076	1.9038	1.5993	0.9079	-----	1.73	9.26	0.991	0.999	30	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Flags

a - failed the spcc criteria ** - ccc compound*
b - failed the ccc criteria *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 13.3

Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 2M73968.D **Instrument:** GCMS 2

Cont Calibration Date/Time 10/19/2011 10:23:00 Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.77	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.48	16.82				0.747			
Dichlorodifluoromethane	1	0		1.46	17.10	20			0.283	0.242	14.52	
Chloromethane	1	0	CP	1.61	18.79	20	0.1		0.333	0.313	6.05	
Bromomethane	1	0		1.95	20.94	20			0.156	0.164	4.72	
Vinyl Chloride	1	0	CC	1.69	17.47	20	20		0.263	0.230	12.67	
Chloroethane	1	0		2.02	19.98	20			0.139	0.139	0.12	
Trichlorofluoromethane	1	0		2.22	15.06	20			0.485	0.423	24.70	
Ethyl ether	1	0		2.44	16.53	20			0.372	0.307	17.35	
Furan	1	0		2.47	16.05	20			0.999	0.802	19.74	
1.1.2-Trichloro-1.2.2-trifluoroetha	1	0		2.61	18.52	20			0.281	0.261	7.38	
Methylene Chloride	1	0		3.00	19.10	20			0.365	0.349	4.48	
Acrolein	1	0		2.54	66.16	100			0.040	0.031	33.84	
Acrylonitrile	1	0		3.19	17.64	20			0.158	0.140	11.82	
Iodomethane	1	0		2.75	11.92	20			0.628	0.375	40.41	
Acetone	1	0		2.66	70.32	100			0.130	0.092	29.68	
Carbon Disulfide	1	0		2.81	12.40	20			0.908	0.563	37.98	
t-Butyl Alcohol	1	0		3.07	69.78	100			0.034	0.023	30.22	
n-Hexane	1	0		3.43	18.55	20			0.339	0.315	7.23	
Di-isopropyl-ether	1	0		3.59	17.33	20			1.294	1.121	13.34	
1.1-Dichloroethene	1	0	CC	2.62	17.28	20	20		0.509	0.440	13.61	
Methyl Acetate	1	0		2.91	18.55	20			0.447	0.415	7.26	
Methyl-t-butyl ether	1	0		3.20	17.25	20			1.036	0.849	13.75	
1.1-Dichloroethane	1	0	CP	3.56	17.97	20	0.1		0.577	0.518	10.14	
trans-1.2-Dichloroethene	1	0		3.21	19.66	20			0.324	0.318	1.71	
cis-1.2-Dichloroethene	1	0		4.01	19.57	20			0.576	0.563	2.15	
Bromochloromethane	1	0		4.18	15.37	20			0.401	0.308	23.17	
2.2-Dichloropropane	1	0		4.01	15.20	20			0.358	0.272	24.02	
Ethyl acetate	1	0		4.04	16.47				0.480			
1.4-Dioxane	1	0		5.21	890.56	1000			0.005	0.004	10.94	
1.1-Dichloropropene	1	0		4.46	18.91	20			0.456	0.431	5.45	
Chloroform	1	0	CC	4.23	18.70	20	20		0.578	0.540	6.52	
Dibromofluoromethane	1	0	S	4.33	28.39	30			0.288	0.272	5.37	
Cyclohexane	1	0		4.39	18.47	20			0.520	0.480	7.64	
1.2-Dichloroethane-d4	1	0	S	4.56	27.60	30			0.164	0.151	7.99	
1.2-Dichloroethane	1	0		4.60	19.42	20			0.567	0.472	2.90	
2-Butanone	1	0		4.01	18.63	20			0.190	0.177	6.87	
1.1.1-Trichloroethane	1	0		4.36	17.38	20			0.483	0.419	13.12	
Carbon Tetrachloride	1	0		4.47	18.16	20			0.394	0.358	9.19	
Vinyl Acetate	1	0		3.59	11.15	20			1.315	0.733	44.24	
Bromodichloromethane	1	0		5.30	16.78	20			0.475	0.398	16.10	
Methylcyclohexane	1	0		5.12	18.82	20			0.438	0.412	5.91	
Dibromomethane	1	0		5.22	20.07	20			0.352	0.353	0.35	
1.2-Dichloropropane	1	0	CC	5.14	18.74	20	20		0.392	0.368	6.30	
Trichloroethene	1	0		4.99	20.87	20			0.379	0.395	4.34	
Benzene	1	0		4.60	20.43	20			1.374	1.232	2.15	
tert-Amyl methyl ether	1	0		4.65	17.86	20			0.900	0.804	10.70	
Chlorobenzene-d5	1	0	I	6.62	30.00	30				0.000	0.00	
Iso-propylacetate	1	0		4.61	18.76				0.892			
Methyl methacrylate	1	0		5.18	19.52				0.516			
Dibromochloromethane	1	0		6.27	17.68	20			0.482	0.426	11.60	
2-Chloroethylvinylether	1	0		5.46	19.48	20			0.292	0.284	2.61	
cis-1.3-Dichloropropene	1	0		5.57	17.88	20			0.646	0.577	10.60	
trans-1.3-Dichloropropene	1	0		5.90	13.59	20			0.540	0.469	32.03	
Ethyl methacrylate	1	0		5.93	18.48				0.556			
1.1.2-Trichloroethane	1	0		6.02	20.41	20			0.378	0.386	2.05	
1.2-Dibromoethane	1	0		6.35	19.72	20			0.449	0.443	1.40	
1.3-Dichloropropane	1	0		6.12	21.81	20			0.665	0.725	9.06	
4-Methyl-2-Pentanone	1	0		5.65	18.92	20			0.547	0.517	5.39	
2-Hexanone	1	0		6.15	19.00	20			0.412	0.392	5.02	
Tetrachloroethene	1	0		6.11	21.35	20			0.427	0.456	6.77	
Toluene-d8	1	0	S	5.74	30.48	30			1.169	1.187	1.61	
Toluene	1	0	CC	5.78	21.17	20	20		0.972	1.029	5.87	
1.1.1.2-Tetrachloroethane	1	0		6.68	21.18	20			0.385	0.408	5.88	
Chlorobenzene	1	0	CP	6.64	21.57	20	0.3		1.130	1.218	7.87	
1.4-Dichlorobenzene-d4	1	0	I	8.06	30.00	30				0.000	0.00	
n-Butyl acrylate	1	0		6.92	20.67				1.405			
n-Amyl acetate	1	0		7.06	19.37				1.493			
Bromoform	1	0	CP	7.15	18.47	20	0.1		0.614	0.519	7.65	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 2M73968.D **Instrument:** GCMS 2

Cont Calibration Date/Time 10/19/2011 10:23:00 Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Ethylbenzene	1	0	CC	6.68	23.04	20	20		0.600	0.691	15.22	
1.1.2.2-Tetrachloroethane	1	0	CP	7.39	20.53	20	0.3		0.772	0.792	2.65	
Bromofluorobenzene	1	0	S	7.33	29.46	30			0.971	0.953	1.81	
Styrene	1	0		7.01	22.79	20			1.764	2.009	13.94	
m&p-Xylenes	1	0		6.75	53.36	40			1.025	1.162	33.41	
o-Xylene	1	0		7.00	24.16	20			0.985	1.190	20.82	
trans-1.4-Dichloro-2-butene	1	0		7.42	20.59	20			0.336	0.346	2.93	
1.3-Dichlorobenzene	1	0		8.02	23.02	20			1.495	1.721	15.12	
1.4-Dichlorobenzene	1	0		8.07	21.73	20			1.552	1.687	8.67	
1.2-Dichlorobenzene	1	0		8.32	21.69	20			1.519	1.647	8.45	
Isopropylbenzene	1	0		7.21	21.55	20			2.507	2.701	7.75	
Cyclohexanone	1	0		7.30	99.53				0.037			
Camphene	1	0		7.40	20.31	20			0.698	0.769	1.55	
1.2.3-Trichloropropane	1	0		7.43	20.56	20			0.876	0.900	2.80	
2-Chlorotoluene	1	0		7.55	23.01	20			1.414	1.627	15.06	
p-Ethyltoluene	1	0		7.53	23.61				2.864			
4-Chlorotoluene	1	0		7.61	22.49	20			1.465	1.648	12.47	
n-Propylbenzene	1	0		7.47	22.99	20			2.906	3.341	14.96	
Bromobenzene	1	0		7.44	22.99	20			1.765	2.029	14.95	
1.3.5-Trimethylbenzene	1	0		7.57	23.94	20			1.937	2.319	19.70	
Butyl methacrylate	1	0		7.57	22.70				1.157			
t-Butylbenzene	1	0		7.78	23.21	20			1.981	2.299	16.04	
1.2.4-Trimethylbenzene	1	0		7.81	22.21	20			2.256	2.505	11.05	
sec-Butylbenzene	1	0		7.91	23.20	20			2.394	2.776	15.98	
4-Isopropyltoluene	1	0		8.00	23.54	20			2.007	2.363	17.72	
n-Butylbenzene	1	0		8.26	22.92	20			2.160	2.475	14.58	
p-Diethylbenzene	1	0		8.24	24.63				1.172			
1.2.4.5-Tetramethylbenzene	1	0		8.75	24.47				2.140			
1.2-Dibromo-3-Chloropropane	1	0		8.83	14.81	20			0.207	0.153	25.94	
Camphor	1	0		9.31	147.94	200			0.079	0.060	26.03	
Hexachlorobutadiene	1	0		9.45	22.53	20			0.705	0.794	12.64	
1.2.4-Trichlorobenzene	1	0		9.36	21.25	20			1.251	1.329	6.24	
1.2.3-Trichlorobenzene	1	0		9.70	20.04	20			1.158	1.161	0.19	
Naphthalene	1	0		9.54	18.04	20			2.180	1.966	9.80	
Freon 113	1	100		0.00	0.00	20				0.000	100.00	
1.2-Dioxane	1	100		0.00	0.00	2000				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 3M00770.D **Instrument:** GCMS 3

Cont Calibration Date/Time 10/21/2011 9:27:00 Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.56	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.29	18.85				0.529			
Dichlorodifluoromethane	1	0		1.27	18.79	20			0.584	0.548	6.03	
Chloromethane	1	0	CP	1.41	22.53	20	0.1		0.373	0.385	12.63	
Bromomethane	1	0		1.72	25.59	20			0.250	0.240	27.94	
Vinyl Chloride	1	0	CC	1.47	19.39	20	20		0.374	0.355	3.05	
Chloroethane	1	0		1.79	28.57	20			0.198	0.210	42.87	
Trichlorofluoromethane	1	0		1.97	23.74	20			0.510	0.546	18.68	
Ethyl ether	1	0		2.20	18.59	20			0.254	0.246	7.06	
Furan	1	0		2.23	22.42	20			0.578	0.648	12.08	
1.1.2-Trichloro-1.2.2-trifluoroetha	1	0		2.36	20.76	20			0.287	0.298	3.82	
Methylene Chloride	1	0		2.74	20.14	20			0.371	0.362	0.70	
Acrolein	1	0		2.30	50.83	100			0.019	0.010	49.17	
Acrylonitrile	1	0		2.94	19.17	20			0.070	0.078	4.16	
Iodomethane	1	0		2.49	18.12	20			0.638	0.578	9.41	
Acetone	1	0		2.42	113.56	100			0.072	0.082	13.56	
Carbon Disulfide	1	0		2.55	18.66	20			0.691	0.644	6.72	
t-Butyl Alcohol	1	0		2.83	96.67	100			0.021	0.019	3.33	
n-Hexane	1	0		3.15	15.45	20			0.154	0.119	22.74	
Di-isopropyl-ether	1	0		3.33	21.96	20			0.793	0.871	9.80	
1.1-Dichloroethene	1	0	CC	2.37	21.10	20	20		0.470	0.496	5.48	
Methyl Acetate	1	0		2.66	21.17	20			0.197	0.208	5.85	
Methyl-t-butyl ether	1	0		2.95	23.97	20			0.784	0.860	19.84	
1.1-Dichloroethane	1	0	CP	3.29	19.72	20	0.1		0.541	0.534	1.41	
trans-1.2-Dichloroethene	1	0		2.95	19.75	20			0.312	0.308	1.27	
cis-1.2-Dichloroethene	1	0		3.77	17.39	20			0.520	0.452	13.03	
Bromochloromethane	1	0		3.95	20.70	20			0.232	0.240	3.52	
2.2-Dichloropropane	1	0		3.76	5.05	20			0.434	0.110	74.73	
Ethyl acetate	1	0		3.82	21.65				0.234			
1.4-Dioxane	1	0		5.00	925.57	1000			0.003	0.003	7.44	
1.1-Dichloropropene	1	0		4.24	19.12	20			0.435	0.416	4.39	
Chloroform	1	0	CC	4.00	22.40	20	20		0.661	0.741	11.99	
Dibromofluoromethane	1	0	S	4.11	32.10	30			0.338	0.362	7.02	
Cyclohexane	1	0		4.16	19.16	20			0.283	0.271	4.22	
1.2-Dichloroethane-d4	1	0	S	4.35	34.85	30			0.184	0.214	16.17	
1.2-Dichloroethane	1	0		4.39	22.47	20			0.630	0.702	12.34	
2-Butanone	1	0		3.78	19.96	20			0.097	0.097	0.20	
1.1.1-Trichloroethane	1	0		4.13	21.13	20			0.601	0.635	5.67	
Carbon Tetrachloride	1	0		4.24	21.95	20			0.530	0.581	9.74	
Vinyl Acetate	1	0		3.32	17.68	20			0.812	0.717	11.62	
Bromodichloromethane	1	0		5.09	21.20	20			0.535	0.567	5.98	
Methylcyclohexane	1	0		4.90	19.80	20			0.236	0.234	1.01	
Dibromomethane	1	0		5.00	21.92	20			0.338	0.370	9.60	
1.2-Dichloropropane	1	0	CC	4.92	19.49	20	20		0.304	0.296	2.55	
Trichloroethene	1	0		4.78	20.78	20			0.423	0.439	3.92	
Benzene	1	0		4.38	22.21	20			1.253	1.150	11.05	
tert-Amyl methyl ether	1	0		4.44	22.59	20			0.741	0.837	12.94	
Chlorobenzene-d5	1	0	I	6.38	30.00	30				0.000	0.00	
Iso-propylacetate	1	0		0.00	0.00				0.647			
Methyl methacrylate	1	0		4.97	22.77				0.317			
Dibromochloromethane	1	0		6.04	20.95	20			0.573	0.600	4.75	
2-Chloroethylvinylether	1	0		5.25	19.55	20			0.189	0.185	2.26	
cis-1.3-Dichloropropene	1	0		5.35	16.32	20			0.608	0.496	18.39	
trans-1.3-Dichloropropene	1	0		5.68	13.91	20			0.576	0.458	30.47	
Ethyl methacrylate	1	0		5.71	21.68				0.347			
1.1.2-Trichloroethane	1	0		5.79	20.09	20			0.393	0.395	0.46	
1.2-Dibromoethane	1	0		6.11	20.85	20			0.433	0.451	4.25	
1.3-Dichloropropane	1	0		5.89	20.81	20			0.638	0.664	4.05	
4-Methyl-2-Pentanone	1	0		5.43	21.16	20			0.301	0.319	5.81	
2-Hexanone	1	0		5.92	20.80	20			0.167	0.222	3.98	
Tetrachloroethene	1	0		5.88	19.51	20			0.445	0.434	2.43	
Toluene-d8	1	0	S	5.51	29.97	30			1.289	1.287	0.11	
Toluene	1	0	CC	5.55	19.48	20	20		0.957	0.932	2.61	
1.1.1.2-Tetrachloroethane	1	0		6.44	21.30	20			0.503	0.536	6.52	
Chlorobenzene	1	0	CP	6.40	18.61	20	0.3		1.224	1.139	6.97	
1.4-Dichlorobenzene-d4	1	0	I	7.80	30.00	30				0.000	0.00	
n-Butyl acrylate	1	0		6.69	16.24				0.918			
n-Amyl acetate	1	0		6.82	18.17				0.904			
Bromoform	1	0	CP	6.90	19.12	20	0.1		0.600	0.573	4.42	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 3M00770.D **Instrument:** GCMS 3

Cont Calibration Date/Time 10/21/2011 9:27:00 Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Ethylbenzene	1	0	CC	6.45	19.59	20	20		0.651	0.637	2.06	
1.1.2.2-Tetrachloroethane	1	0	CP	7.15	18.49	20	0.3		0.725	0.598	7.57	
Bromofluorobenzene	1	0	S	7.08	28.95	30			0.851	0.822	3.50	
Styrene	1	0		6.76	20.31	20			1.764	1.791	1.55	
m&p-Xylenes	1	0		6.51	36.72	40			1.053	0.967	8.21	
o-Xylene	1	0		6.76	19.83	20			1.016	1.007	0.86	
trans-1.4-Dichloro-2-butene	1	0		7.19	12.19	20			0.182	0.121	39.04	
1.3-Dichlorobenzene	1	0		7.76	17.54	20			1.574	1.380	12.30	
1.4-Dichlorobenzene	1	0		7.82	18.43	20			1.720	1.585	7.84	
1.2-Dichlorobenzene	1	0		8.06	18.62	20			1.571	1.462	6.91	
Isopropylbenzene	1	0		6.97	19.11	20			2.450	2.342	4.43	
Cyclohexanone	1	0		7.06	100.80				0.019			
Camphene	1	0		7.16	19.89	20			0.549	0.546	0.53	
1.2.3-Trichloropropane	1	0		7.19	18.98	20			0.860	0.816	5.08	
2-Chlorotoluene	1	0		7.29	20.39	20			1.783	1.818	1.96	
p-Ethyltoluene	1	0		7.29	19.62				2.606			
4-Chlorotoluene	1	0		7.36	21.67	20			1.634	1.771	8.37	
n-Propylbenzene	1	0		7.22	19.77	20			2.634	2.603	1.16	
Bromobenzene	1	0		7.19	19.28	20			1.637	1.578	3.60	
1.3.5-Trimethylbenzene	1	0		7.32	20.64	20			2.108	2.175	3.18	
Butyl methacrylate	1	0		7.34	19.19				0.941			
t-Butylbenzene	1	0		7.53	19.55	20			1.794	1.754	2.23	
1.2.4-Trimethylbenzene	1	0		7.56	19.31	20			2.235	2.158	3.44	
sec-Butylbenzene	1	0		7.67	19.10	20			1.960	1.872	4.49	
4-Isopropyltoluene	1	0		7.75	18.72	20			1.713	1.603	6.41	
n-Butylbenzene	1	0		8.00	18.95	20			1.747	1.655	5.27	
p-Diethylbenzene	1	0		7.99	17.51				0.905			
1.2.4.5-Tetramethylbenzene	1	0		8.49	17.41				1.608			
1.2-Dibromo-3-Chloropropane	1	0		8.56	14.36	20			0.161	0.127	28.21	
Camphor	1	0		9.03	161.61	200			0.071	0.049	19.19	
Hexachlorobutadiene	1	0		9.18	20.14	20			0.491	0.422	0.68	
1.2.4-Trichlorobenzene	1	0		9.09	16.70	20			0.886	0.740	16.48	
1.2.3-Trichlorobenzene	1	0		9.42	15.34	20			0.884	0.678	23.32	
Naphthalene	1	0		9.27	14.98	20			1.902	1.425	25.11	
Freon 113	1	100		0.00	0.00	20				0.000	100.00	
1.2-Dioxane	1	100		0.00	0.00	2000				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB **Data File:** 1M74869.D **Instrument:** GCMS 1

Cont Calibration Date/Time 10/24/2011 7:35:00 Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.49	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.29	48.12				0.752			
Dichlorodifluoromethane	1	0		1.28	46.68	50			0.677	0.632	6.64	
Chloromethane	1	0	CP	1.39	50.36	50	0.1		0.319	0.321	0.72	
Bromomethane	1	0		1.71	56.47	50			0.146	0.145	12.93	
Vinyl Chloride	1	0	CC	1.48	53.95	50	20		0.328	0.307	7.91	
Chloroethane	1	0		1.78	54.63	50			0.171	0.152	9.27	
Trichlorofluoromethane	1	0		1.96	58.08	50			0.416	0.483	16.16	
Ethyl ether	1	0		2.15	40.54	50			0.148	0.133	18.93	
Furan	1	0		2.19	44.05	50			1.011	0.890	11.90	
1.1.2-Trichloro-1.2.2-trifluoroetha	1	0		2.33	62.84	50			0.387	0.393	25.69	
Methylene Chloride	1	0		2.67	51.42	50			0.378	0.331	2.83	
Acrolein	1	0		2.25	197.44	250			0.013	0.010	21.03	
Acrylonitrile	1	0		2.85	50.79	50			0.046	0.053	1.58	
Iodomethane	1	0		2.44	50.55	50			0.575	0.581	1.09	
Acetone	1	0		2.37	267.43	250			0.052	0.041	6.97	
Carbon Disulfide	1	0		2.50	48.49	50			1.353	1.312	3.03	
t-Butyl Alcohol	1	0		2.74	205.78	250			0.014	0.012	17.69	
n-Hexane	1	0		3.11	48.49	50			0.631	0.612	3.01	
Di-isopropyl-ether	1	0		3.27	43.68	50			1.149	1.004	12.64	
1.1-Dichloroethene	1	0	CC	2.33	51.22	50	20		0.671	0.688	2.44	
Methyl Acetate	1	0		2.60	37.47	50			0.171	0.096	25.06	
Methyl-t-butyl ether	1	0		2.90	42.41	50			0.627	0.532	15.19	
1.1-Dichloroethane	1	0	CP	3.21	47.56	50	0.1		0.784	0.746	4.88	
trans-1.2-Dichloroethene	1	0		2.89	52.01	50			0.400	0.416	4.02	
cis-1.2-Dichloroethene	1	0		3.68	50.14	50			0.720	0.721	0.27	
Bromochloromethane	1	0		3.86	44.65	50			0.268	0.239	10.69	
2.2-Dichloropropane	1	0		3.68	59.15	50			0.609	0.721	18.29	
Ethyl acetate	1	0		3.73	36.14				0.183			
1.4-Dioxane	1	0		4.93	2065.44	2500			0.002	0.001	17.38	
1.1-Dichloropropene	1	0		4.19	52.26	50			0.646	0.675	4.52	
Chloroform	1	0	CC	3.92	49.40	50	20		0.722	0.713	1.19	
Dibromofluoromethane	1	0	S	4.04	36.54	75			0.242	0.295	21.78	
Cyclohexane	1	0		4.13	48.20	50			0.754	0.727	3.59	
1.2-Dichloroethane-d4	1	0	S	4.27	34.43	75			0.110	0.127	14.77	
1.2-Dichloroethane	1	0		4.32	48.50	50			0.464	0.450	2.99	
2-Butanone	1	0		3.68	37.68	50			0.083	0.063	24.65	
1.1.1-Trichloroethane	1	0		4.08	51.63	50			0.697	0.719	3.25	
Carbon Tetrachloride	1	0		4.20	56.89	50			0.558	0.635	13.77	
Vinyl Acetate	1	0		3.24	49.62	50			0.556	0.548	0.75	
Bromodichloromethane	1	0		5.02	46.32	50			0.561	0.519	7.36	
Methylcyclohexane	1	0		4.85	48.43	50			0.741	0.718	3.13	
Dibromomethane	1	0		4.93	44.06	50			0.264	0.233	11.88	
1.2-Dichloropropane	1	0	CC	4.85	42.76	50	20		0.405	0.347	14.47	
Trichloroethene	1	0		4.73	65.11	50			0.506	0.518	30.21	
Benzene	1	0		4.32	48.84	50			1.565	1.528	2.32	
tert-Amyl methyl ether	1	0		4.39	44.65	50			0.667	0.596	10.70	
Chlorobenzene-d5	1	0	I	6.33	30.00	30				0.000	0.00	
Iso-propylacetate	1	0		4.34	36.36				0.514			
Methyl methacrylate	1	0		4.91	38.63				0.276			
Dibromochloromethane	1	0		5.98	45.69	50			0.471	0.430	8.61	
2-Chloroethylvinylether	1	0		5.19	41.34	50			0.169	0.139	17.31	
cis-1.3-Dichloropropene	1	0		5.29	41.76	50			0.867	0.724	16.47	
trans-1.3-Dichloropropene	1	0		5.61	42.96	50			0.660	0.567	14.09	
Ethyl methacrylate	1	0		5.65	35.77				0.322			
1.1.2-Trichloroethane	1	0		5.73	38.30	50			0.347	0.266	23.41	
1.2-Dibromoethane	1	0		6.05	45.19	50			0.333	0.301	9.63	
1.3-Dichloropropane	1	0		5.83	41.53	50			0.612	0.508	16.94	
4-Methyl-2-Pentanone	1	0		5.37	32.57	50			0.261	0.170	34.86	
2-Hexanone	1	0		5.87	35.56	50			0.180	0.128	28.88	
Tetrachloroethene	1	0		5.85	44.78	50			0.750	0.672	10.44	
Toluene-d8	1	0	S	5.46	27.05	75			1.418	1.278	9.82	
Toluene	1	0	CC	5.50	45.18	50	20		1.506	1.361	9.63	
1.1.1.2-Tetrachloroethane	1	0		6.39	48.19	50			0.523	0.504	3.63	
Chlorobenzene	1	0	CP	6.35	44.09	50	0.3		1.566	1.381	11.82	
1.4-Dichlorobenzene-d4	1	0	I	7.76	30.00	30				0.000	0.00	
n-Butyl acrylate	1	0		6.65	31.45				1.000			
n-Amyl acetate	1	0		6.77	26.58				0.863			
Bromoform	1	0	CP	6.84	40.91	50	0.1		0.587	0.480	18.18	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB **Data File:** 1M74869.D **Instrument:** GCMS 1

Cont Calibration Date/Time 10/24/2011 7:35:00 Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Ethylbenzene	1	0	CC	6.41	52.08	50	20		1.046	1.089	4.17	
1,1,2,2-Tetrachloroethane	1	0	CP	7.09	42.14	50	0.3		0.609	0.514	15.71	
Bromofluorobenzene	1	0	S	7.04	30.28	75			0.944	0.953	0.92	
Styrene	1	0		6.72	50.54	50			2.327	2.353	1.08	
m&p-Xylenes	1	0		6.48	98.23	100			1.545	1.517	1.77	
o-Xylene	1	0		6.71	51.02	50			1.466	1.496	2.03	
trans-1,4-Dichloro-2-butene	1	0		7.12	52.68	50			0.414	0.436	5.36	
1,3-Dichlorobenzene	1	0		7.72	47.47	50			2.238	2.125	5.06	
1,4-Dichlorobenzene	1	0		7.77	43.76	50			2.205	1.930	12.48	
1,2-Dichlorobenzene	1	0		8.01	43.45	50			1.917	1.666	13.10	
Isopropylbenzene	1	0		6.93	50.04	50			4.640	4.643	0.07	
Cyclohexanone	1	0		6.99	333.78				0.013			
Camphene	1	0		7.12	51.68	50			1.853	1.915	3.37	
1,2,3-Trichloropropane	1	0		7.13	44.30	50			0.759	0.673	11.40	
2-Chlorotoluene	1	0		7.26	42.18	50			2.814	2.374	15.64	
p-Ethyltoluene	1	0		7.25	52.79				4.623			
4-Chlorotoluene	1	0		7.31	50.41	50			2.473	2.494	0.83	
n-Propylbenzene	1	0		7.19	47.16	50			5.317	5.015	5.67	
Bromobenzene	1	0		7.14	44.81	50			2.457	2.202	10.39	
1,3,5-Trimethylbenzene	1	0		7.28	48.44	50			3.533	3.423	3.11	
Butyl methacrylate	1	0		7.29	32.04				1.212			
t-Butylbenzene	1	0		7.49	51.43	50			3.780	3.888	2.86	
1,2,4-Trimethylbenzene	1	0		7.52	50.14	50			3.684	3.695	0.28	
sec-Butylbenzene	1	0		7.63	47.14	50			4.957	4.674	5.71	
4-Isopropyltoluene	1	0		7.71	49.61	50			4.139	4.106	0.79	
n-Butylbenzene	1	0		7.96	52.94	50			4.394	4.652	5.88	
p-Diethylbenzene	1	0		7.94	51.88				2.084			
1,2,4,5-Tetramethylbenzene	1	0		8.45	48.26				3.103			
1,2-Dibromo-3-Chloropropane	1	0		8.49	38.77	50			0.129	0.122	22.46	
Camphor	1	0		8.98	180.53	500			0.052	0.022	63.89	
Hexachlorobutadiene	1	0		9.14	66.66	50			1.624	1.921	33.31	
1,2,4-Trichlorobenzene	1	0		9.05	49.21	50			1.567	1.543	1.58	
1,2,3-Trichlorobenzene	1	0		9.37	44.01	50			1.382	1.217	11.98	
Naphthalene	1	0		9.21	17.13	50			1.764	0.731	65.75	
Freon 113	1	100		0.00	0.00	50				0.000	100.00	
1,2-Dioxane	1	100		0.00	0.00	5000				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 2M74241.D **Instrument:** GCMS 2

Cont Calibration Date/Time 10/25/2011 12:33:00 Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.75	30.00	30				0.000	0.00	
Propene	1	0		1.43	18.00				0.467			
Chlorodifluoromethane	1	0		1.47	23.92				0.513			
Dichlorodifluoromethane	1	0		1.46	12.72	20			0.371	0.236	36.38	
Chloromethane	1	0	CP	1.61	21.51	20	0.1		0.363	0.253	7.53	
Bromomethane	1	0		1.94	17.95	20			0.165	0.148	10.25	
Vinyl Chloride	1	0	CC	1.69	17.66	20	20		0.285	0.234	11.71	
Chloroethane	1	0		2.02	17.76	20			0.161	0.143	11.18	
Trichlorofluoromethane	1	0		2.21	18.73	20			0.457	0.428	6.36	
Ethyl ether	1	0		2.42	18.99	20			0.344	0.326	5.05	
Furan	1	0		2.46	18.13	20			1.062	0.963	9.33	
2-Chloropropane	1	0		2.51	18.10				0.616			
1-Chloropropane	1	0		3.01	18.02				0.878			
1.1.2-Trichloro-1.2.2-trifluoroetha	1	0		2.60	20.38	20			0.274	0.279	1.92	
Methylene Chloride	1	0		2.98	20.09	20			0.384	0.346	0.44	
Acrolein	1	0		2.53	89.96	100			0.032	0.029	10.04	
Acrylonitrile	1	0		3.18	18.41	20			0.156	0.143	7.96	
Iodomethane	1	0		2.73	17.83	20			0.643	0.573	10.87	
Acetone	1	0		2.65	110.84	100			0.124	0.113	10.84	
Carbon Disulfide	1	0		2.79	18.73	20			1.006	0.943	6.33	
t-Butyl Alcohol	1	0		3.05	80.58	100			0.030	0.024	19.42	
n-Hexane	1	0		3.41	21.53	20			0.359	0.348	7.66	
Di-isopropyl-ether	1	0		3.58	21.89	20			1.263	1.146	9.45	
1.1-Dichloroethene	1	0	CC	2.61	18.88	20	20		0.509	0.480	5.61	
Methyl Acetate	1	0		2.89	18.68	20			0.349	0.326	6.61	
Methyl-t-butyl ether	1	0		3.19	17.74	20			0.942	0.835	11.28	
1.1-Dichloroethane	1	0	CP	3.55	18.25	20	0.1		0.586	0.534	8.76	
trans-1.2-Dichloroethene	1	0		3.20	19.85	20			0.348	0.345	0.76	
cis-1.2-Dichloroethene	1	0		3.99	18.73	20			0.601	0.563	6.34	
Bromochloromethane	1	0		4.17	15.80	20			0.375	0.296	20.98	
2.2-Dichloropropane	1	0		4.00	17.14	20			0.345	0.296	14.29	
Ethyl acetate	1	0		4.03	18.60				0.473			
1.4-Dioxane	1	0		5.20	990.98	1000			0.004	0.004	0.90	
1.1-Dichloropropene	1	0		4.45	19.78	20			0.442	0.437	1.10	
Chloroform	1	0	CC	4.21	18.14	20	20		0.582	0.528	9.30	
Dibromofluoromethane	1	0	S	4.32	31.25	30			0.267	0.278	4.17	
Cyclohexane	1	0		4.38	19.40	20			0.543	0.527	3.02	
1.2-Dichloroethane-d4	1	0	S	4.54	30.60	30			0.153	0.156	2.00	
1.2-Dichloroethane	1	0		4.59	19.41	20			0.523	0.488	2.96	
2-Butanone	1	0		4.00	19.91	20			0.184	0.175	0.43	
1.1.1-Trichloroethane	1	0		4.34	18.03	20			0.446	0.402	9.87	
Carbon Tetrachloride	1	0		4.45	20.06	20			0.369	0.370	0.32	
Vinyl Acetate	1	0		3.57	18.34	20			1.451	1.331	8.28	
Bromodichloromethane	1	0		5.29	18.83	20			0.466	0.438	5.84	
Methylcyclohexane	1	0		5.10	19.49	20			0.454	0.442	2.54	
Dibromomethane	1	0		5.20	19.28	20			0.373	0.381	3.62	
1.2-Dichloropropane	1	0	CC	5.13	22.28	20	20		0.410	0.376	11.40	
Trichloroethene	1	0		4.98	23.16	20			0.415	0.383	15.78	
Benzene	1	0		4.59	23.82	20			1.435	1.244	19.08	
tert-Amyl methyl ether	1	0		4.63	17.38	20			0.901	0.783	13.10	
Chlorobenzene-d5	1	0	I	6.61	30.00	30				0.000	0.00	
Iso-propylacetate	1	0		4.59	18.14				0.920			
Methyl methacrylate	1	0		5.16	17.56				0.551			
Dibromochloromethane	1	0		6.25	18.98	20			0.465	0.442	5.09	
2-Chloroethylvinylether	1	0		5.45	17.45	20			0.314	0.274	12.73	
cis-1.3-Dichloropropene	1	0		5.55	17.07	20			0.665	0.567	14.66	
trans-1.3-Dichloropropene	1	0		5.88	16.34	20			0.564	0.461	18.32	
Ethyl methacrylate	1	0		5.91	18.17				0.569			
1.1.2-Trichloroethane	1	0		6.00	18.03	20			0.423	0.381	9.83	
1.2-Dibromoethane	1	0		6.34	18.12	20			0.488	0.442	9.38	
1.3-Dichloropropane	1	0		6.11	18.65	20			0.720	0.678	6.75	
4-Methyl-2-Pentanone	1	0		5.64	16.85	20			0.561	0.472	15.75	
2-Hexanone	1	0		6.13	16.95	20			0.407	0.345	15.27	
Tetrachloroethene	1	0		6.10	23.18	20			0.504	0.470	15.88	
Toluene-d8	1	0	S	5.72	29.11	30			1.179	1.144	2.95	
Toluene	1	0	CC	5.76	21.12	20	20		1.137	0.992	5.60	
1.1.1.2-Tetrachloroethane	1	0		6.67	19.96	20			0.398	0.397	0.21	
Chlorobenzene	1	0	CP	6.62	22.68	20	0.3		1.324	1.191	13.39	
1.4-Dichlorobenzene-d4	1	0	I	8.04	30.00	30				0.000	0.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 2M74241.D **Instrument:** GCMS 2

Cont Calibration Date/Time 10/25/2011 12:33:00 Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
n-Butyl acrylate	1	0		6.91	15.77				1.552			
n-Amyl acetate	1	0		7.04	15.83				1.619			
Bromoform	1	0	CP	7.13	19.34	20	0.1		0.633	0.554	3.28	
Ethylbenzene	1	0	CC	6.67	23.03	20	20		0.731	0.619	15.16	
1,1,2,2-Tetrachloroethane	1	0	CP	7.37	17.96	20	0.3		0.846	0.760	10.21	
Bromofluorobenzene	1	0	S	7.31	28.75	30			1.012	0.970	4.16	
Styrene	1	0		6.99	17.22	20			2.000	1.722	13.91	
m&p-Xylenes	1	0		6.74	44.41	40			1.209	0.988	11.03	
o-Xylene	1	0		6.98	22.64	20			1.177	1.044	13.20	
trans-1,4-Dichloro-2-butene	1	0		7.40	16.23	20			0.383	0.311	18.84	
1,3-Dichlorobenzene	1	0		8.01	21.37	20			1.808	1.624	6.87	
1,4-Dichlorobenzene	1	0		8.06	22.75	20			1.877	1.688	13.75	
1,2-Dichlorobenzene	1	0		8.31	21.35	20			1.809	1.587	6.77	
Isopropylbenzene	1	0		7.20	17.24	20			2.936	2.531	13.78	
Cyclohexanone	1	0		7.29	93.80				0.041			
Camphene	1	0		7.39	17.26	20			0.824	0.711	13.70	
1,2,3-Trichloropropane	1	0		7.42	16.43	20			1.006	0.826	17.83	
2-Chlorotoluene	1	0		7.53	23.90	20			1.688	1.516	19.51	
p-Ethyltoluene	1	0		7.52	19.73				3.337			
4-Chlorotoluene	1	0		7.60	21.56	20			1.733	1.447	7.81	
n-Propylbenzene	1	0		7.45	16.77	20			3.577	2.999	16.15	
Bromobenzene	1	0		7.42	21.33	20			2.076	1.836	6.65	
1,3,5-Trimethylbenzene	1	0		7.55	22.09	20			2.290	1.934	10.44	
Butyl methacrylate	1	0		7.56	16.51				1.317			
t-Butylbenzene	1	0		7.77	17.54	20			2.455	2.153	12.29	
1,2,4-Trimethylbenzene	1	0		7.80	17.32	20			2.598	2.250	13.41	
sec-Butylbenzene	1	0		7.90	17.26	20			2.986	2.577	13.69	
4-Isopropyltoluene	1	0		7.98	17.78	20			2.444	2.173	11.08	
n-Butylbenzene	1	0		8.25	17.40	20			2.616	2.277	12.99	
p-Diethylbenzene	1	0		8.22	17.52				1.405			
1,2,4,5-Tetramethylbenzene	1	0		8.73	17.27				2.552			
1,2-Dibromo-3-Chloropropane	1	0		8.80	14.02	20			0.209	0.186	29.89	
Camphor	1	0		9.29	139.98	200			0.069	0.056	30.01	
Hexachlorobutadiene	1	0		9.44	16.99	20			1.014	0.861	15.03	
1,2,4-Trichlorobenzene	1	0		9.35	22.29	20			1.634	1.416	11.46	
1,2,3-Trichlorobenzene	1	0		9.68	21.25	20			1.506	1.291	6.25	
Naphthalene	1	0		9.53	15.94	20			2.595	2.068	20.30	
1,2-Dioxane	1	100		0.00	0.00	2000				0.000	100.00	
Freon 113	1	100		0.00	0.00	20				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 3M01040.D **Instrument:** GCMS 3

Cont Calibration Date/Time 10/26/2011 7:21:00 Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.55	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.29	22.16				0.529			
Dichlorodifluoromethane	1	0		1.28	17.00	20			0.578	0.466	15.01	
Chloromethane	1	0	CP	1.41	15.92	20	0.1		0.325	0.259	20.38	
Bromomethane	1	0		1.72	15.20	20			0.230	0.150	24.00	
Vinyl Chloride	1	0	CC	1.48	18.18	20	20		0.435	0.359	9.12	
Chloroethane	1	0		1.79	30.03	20			0.230	0.260	50.14	
Trichlorofluoromethane	1	0		1.97	22.52	20			0.506	0.534	12.58	
Ethyl ether	1	0		2.20	19.76	20			0.295	0.311	1.21	
Furan	1	0		2.23	21.62	20			0.565	0.611	8.08	
1.1.2-Trichloro-1.2.2-trifluoroetha	1	0		2.36	24.12	20			0.302	0.365	20.58	
Methylene Chloride	1	0		2.74	21.37	20			0.343	0.366	6.83	
Acrolein	1	0		2.31	96.07	100			0.018	0.017	3.93	
Acrylonitrile	1	0		2.94	19.56	20			0.066	0.082	2.22	
Iodomethane	1	0		2.49	13.40	20			0.632	0.423	33.00	
Acetone	1	0		2.42	107.10	100			0.080	0.081	7.10	
Carbon Disulfide	1	0		2.55	21.86	20			0.889	0.971	9.30	
t-Butyl Alcohol	1	0		2.82	101.66	100			0.021	0.021	1.66	
n-Hexane	1	0		3.15	22.70	20			0.132	0.180	13.50	
Di-isopropyl-ether	1	0		3.33	22.54	20			0.817	0.921	12.68	
1.1-Dichloroethene	1	0	CC	2.37	22.23	20	20		0.486	0.540	11.15	
Methyl Acetate	1	0		2.66	21.89	20			0.211	0.197	9.47	
Methyl-t-butyl ether	1	0		2.95	22.76	20			0.796	0.906	13.78	
1.1-Dichloroethane	1	0	CP	3.29	21.07	20	0.1		0.536	0.565	5.36	
trans-1.2-Dichloroethene	1	0		2.95	21.55	20			0.314	0.338	7.73	
cis-1.2-Dichloroethene	1	0		3.77	23.10	20			0.537	0.620	15.48	
Bromochloromethane	1	0		3.95	21.98	20			0.240	0.264	9.91	
2.2-Dichloropropane	1	0		3.76	25.81	20			0.423	0.546	29.07	
Ethyl acetate	1	0		3.82	22.08				0.244			
1.4-Dioxane	1	0		5.00	1007.64	1000			0.003	0.003	0.76	
1.1-Dichloropropene	1	0		4.24	21.87	20			0.445	0.486	9.35	
Chloroform	1	0	CC	4.00	21.56	20	20		0.717	0.773	7.78	
Dibromofluoromethane	1	0	S	4.12	33.57	30			0.353	0.395	11.91	
Cyclohexane	1	0		4.17	21.88	20			0.296	0.324	9.39	
1.2-Dichloroethane-d4	1	0	S	4.35	31.87	30			0.205	0.218	6.22	
1.2-Dichloroethane	1	0		4.39	22.87	20			0.671	0.767	14.36	
2-Butanone	1	0		3.79	21.07	20			0.103	0.109	5.37	
1.1.1-Trichloroethane	1	0		4.13	22.41	20			0.670	0.750	12.03	
Carbon Tetrachloride	1	0		4.24	22.61	20			0.609	0.689	13.05	
Vinyl Acetate	1	0		3.32	23.31	20			0.987	1.150	16.54	
Bromodichloromethane	1	0		5.08	22.39	20			0.582	0.652	11.96	
Methylcyclohexane	1	0		4.89	19.46	20			0.240	0.266	2.69	
Dibromomethane	1	0		5.00	22.48	20			0.338	0.380	12.38	
1.2-Dichloropropane	1	0	CC	4.92	21.08	20	20		0.312	0.329	5.41	
Trichloroethene	1	0		4.78	20.86	20			0.412	0.429	4.31	
Benzene	1	0		4.38	19.49	20			1.196	1.165	2.56	
tert-Amyl methyl ether	1	0		4.44	20.55	20			0.754	0.774	2.75	
Chlorobenzene-d5	1	0	I	6.38	30.00	30				0.000	0.00	
Iso-propylacetate	1	0		4.41	21.89				0.640			
Methyl methacrylate	1	0		4.96	20.39				0.341			
Dibromochloromethane	1	0		6.04	21.43	20			0.603	0.646	7.14	
2-Chloroethylvinylether	1	0		5.25	17.69	20			0.187	0.199	11.55	
cis-1.3-Dichloropropene	1	0		5.35	18.43	20			0.605	0.655	7.84	
trans-1.3-Dichloropropene	1	0		5.68	17.58	20			0.576	0.613	12.10	
Ethyl methacrylate	1	0		5.71	22.72				0.369			
1.1.2-Trichloroethane	1	0		5.79	19.44	20			0.402	0.391	2.81	
1.2-Dibromoethane	1	0		6.11	20.06	20			0.474	0.475	0.28	
1.3-Dichloropropane	1	0		5.89	20.74	20			0.647	0.671	3.71	
4-Methyl-2-Pentanone	1	0		5.43	19.66	20			0.337	0.331	1.68	
2-Hexanone	1	0		5.92	17.06	20			0.187	0.214	14.68	
Tetrachloroethene	1	0		5.88	20.95	20			0.468	0.490	4.74	
Toluene-d8	1	0	S	5.51	29.67	30			1.291	1.277	1.11	
Toluene	1	0	CC	5.55	19.88	20	20		0.999	0.993	0.60	
1.1.1.2-Tetrachloroethane	1	0		6.44	22.04	20			0.513	0.566	10.20	
Chlorobenzene	1	0	CP	6.40	21.04	20	0.3		1.213	1.276	5.19	
1.4-Dichlorobenzene-d4	1	0	I	7.80	30.00	30				0.000	0.00	
n-Butyl acrylate	1	0		6.69	17.04				0.847			
n-Amyl acetate	1	0		6.82	19.25				0.804			
Bromoform	1	0	CP	6.90	19.51	20	0.1		0.594	0.591	2.45	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 3M01040.D **Instrument:** GCMS 3

Cont Calibration Date/Time 10/26/2011 7:21:00 Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Ethylbenzene	1	0	CC	6.45	20.50	20	20		0.661	0.678	2.49	
1.1.2.2-Tetrachloroethane	1	0	CP	7.15	19.84	20	0.3		0.671	0.666	0.80	
Bromofluorobenzene	1	0	S	7.08	29.12	30			0.846	0.821	2.93	
Styrene	1	0		6.76	21.68	20			1.666	1.746	8.37	
m&p-Xylenes	1	0		6.51	42.67	40			0.939	1.001	6.68	
o-Xylene	1	0		6.76	20.67	20			0.963	0.995	3.33	
trans-1.4-Dichloro-2-butene	1	0		7.18	23.56	20			0.165	0.243	17.81	
1.3-Dichlorobenzene	1	0		7.76	20.00	20			1.532	1.532	0.02	
1.4-Dichlorobenzene	1	0		7.82	19.00	20			1.655	1.572	5.02	
1.2-Dichlorobenzene	1	0		8.06	19.26	20			1.527	1.471	3.72	
Isopropylbenzene	1	0		6.97	20.60	20			2.427	2.500	2.99	
Cyclohexanone	1	0		7.06	132.44				0.022			
Camphene	1	0		7.15	18.92	20			0.614	0.581	5.40	
1.2.3-Trichloropropane	1	0		7.19	19.66	20			0.913	0.898	1.68	
2-Chlorotoluene	1	0		7.29	21.81	20			1.784	1.946	9.06	
p-Ethyltoluene	1	0		7.29	21.11				2.657			
4-Chlorotoluene	1	0		7.35	20.53	20			1.696	1.741	2.65	
n-Propylbenzene	1	0		7.22	21.23	20			2.749	2.917	6.13	
Bromobenzene	1	0		7.19	20.61	20			1.614	1.663	3.04	
1.3.5-Trimethylbenzene	1	0		7.32	22.10	20			2.144	2.369	10.51	
Butyl methacrylate	1	0		7.33	22.69				0.876			
t-Butylbenzene	1	0		7.53	19.45	20			1.901	1.848	2.77	
1.2.4-Trimethylbenzene	1	0		7.55	21.01	20			2.255	2.369	5.07	
sec-Butylbenzene	1	0		7.66	20.70	20			2.028	2.099	3.49	
4-Isopropyltoluene	1	0		7.75	20.89	20			1.757	1.836	4.46	
n-Butylbenzene	1	0		8.00	21.22	20			1.826	1.938	6.11	
p-Diethylbenzene	1	0		7.99	19.45				0.918			
1.2.4.5-Tetramethylbenzene	1	0		8.49	17.42				1.654			
1.2-Dibromo-3-Chloropropane	1	0		8.56	16.36	20			0.139	0.144	18.18	
Camphor	1	0		9.03	148.53	200			0.054	0.047	25.74	
Hexachlorobutadiene	1	0		9.18	19.57	20			0.507	0.396	2.16	
1.2.4-Trichlorobenzene	1	0		9.09	18.68	20			0.852	0.771	6.61	
1.2.3-Trichlorobenzene	1	0		9.42	18.29	20			0.835	0.688	8.53	
Naphthalene	1	0		9.27	16.02	20			1.730	1.339	19.91	
Freon 113	1	100		0.00	0.00	20				0.000	100.00	
1.2-Dioxane	1	100		0.00	0.00	2000				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 3M01129.D **Instrument:** GCMS 3

Cont Calibration Date/Time 10/27/2011 8:40:00 Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.56	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.29	17.11				0.529			
Dichlorodifluoromethane	1	0		1.28	14.56	20			0.578	0.399	27.22	
Chloromethane	1	0	CP	1.41	21.54	20	0.1		0.325	0.350	7.70	
Bromomethane	1	0		1.73	25.17	20			0.230	0.248	25.83	
Vinyl Chloride	1	0	CC	1.48	16.49	20	20		0.435	0.326	17.55	
Chloroethane	1	0		1.79	32.15	20			0.230	0.279	60.77	
Trichlorofluoromethane	1	0		1.98	26.95	20			0.506	0.640	34.73	
Ethyl ether	1	0		2.20	14.64	20			0.295	0.230	26.82	
Furan	1	0		2.23	19.37	20			0.565	0.548	3.13	
1.1.2-Trichloro-1.2.2-trifluoroetha	1	0		2.37	18.48	20			0.302	0.279	7.61	
Methylene Chloride	1	0		2.75	19.38	20			0.343	0.332	3.11	
Acrolein	1	0		2.31	106.09	100			0.018	0.019	6.09	
Acrylonitrile	1	0		2.94	22.48	20			0.066	0.095	12.42	
Iodomethane	1	0		2.49	16.24	20			0.632	0.513	18.78	
Acetone	1	0		2.43	113.54	100			0.080	0.086	13.54	
Carbon Disulfide	1	0		2.55	17.86	20			0.889	0.793	10.71	
t-Butyl Alcohol	1	0		2.84	118.94	100			0.021	0.024	18.94	
n-Hexane	1	0		3.16	17.00	20			0.132	0.135	15.00	
Di-isopropyl-ether	1	0		3.34	20.24	20			0.817	0.827	1.21	
1.1-Dichloroethene	1	0	CC	2.37	18.34	20	20		0.486	0.446	8.32	
Methyl Acetate	1	0		2.67	24.54	20			0.211	0.220	22.71	
Methyl-t-butyl ether	1	0		2.96	22.16	20			0.796	0.882	10.81	
1.1-Dichloroethane	1	0	CP	3.30	18.86	20	0.1		0.536	0.505	5.72	
trans-1.2-Dichloroethene	1	0		2.96	18.40	20			0.314	0.289	8.00	
cis-1.2-Dichloroethene	1	0		3.77	18.18	20			0.537	0.488	9.08	
Bromochloromethane	1	0		3.95	21.61	20			0.240	0.260	8.04	
2.2-Dichloropropane	1	0		3.77	21.47	20			0.423	0.454	7.36	
Ethyl acetate	1	0		3.82	26.51				0.244			
1.4-Dioxane	1	0		5.01	1140.18	1000			0.003	0.004	14.02	
1.1-Dichloropropene	1	0		4.25	19.70	20			0.445	0.438	1.52	
Chloroform	1	0	CC	4.00	19.41	20	20		0.717	0.696	2.95	
Dibromofluoromethane	1	0	S	4.12	31.04	30			0.353	0.366	3.46	
Cyclohexane	1	0		4.18	16.67	20			0.296	0.247	16.66	
1.2-Dichloroethane-d4	1	0	S	4.35	30.79	30			0.205	0.210	2.63	
1.2-Dichloroethane	1	0		4.40	21.21	20			0.671	0.712	6.07	
2-Butanone	1	0		3.79	20.39	20			0.103	0.105	1.95	
1.1.1-Trichloroethane	1	0		4.14	18.69	20			0.670	0.626	6.57	
Carbon Tetrachloride	1	0		4.25	20.01	20			0.609	0.610	0.07	
Vinyl Acetate	1	0		3.33	22.03	20			0.987	1.087	10.15	
Bromodichloromethane	1	0		5.09	20.53	20			0.582	0.598	2.64	
Methylcyclohexane	1	0		4.90	14.59	20			0.240	0.199	27.05	
Dibromomethane	1	0		5.00	21.94	20			0.338	0.371	9.69	
1.2-Dichloropropane	1	0	CC	4.92	17.90	20	20		0.312	0.279	10.51	
Trichloroethene	1	0		4.79	18.81	20			0.412	0.387	5.95	
Benzene	1	0		4.39	18.58	20			1.196	1.111	7.11	
tert-Amyl methyl ether	1	0		4.45	21.34	20			0.754	0.804	6.68	
Chlorobenzene-d5	1	0	I	6.39	30.00	30				0.000	0.00	
Iso-propylacetate	1	0		4.42	24.23				0.640			
Methyl methacrylate	1	0		4.98	23.09				0.341			
Dibromochloromethane	1	0		6.04	21.28	20			0.603	0.642	6.38	
2-Chloroethylvinylether	1	0		5.26	20.75	20			0.187	0.234	3.74	
cis-1.3-Dichloropropene	1	0		5.36	17.68	20			0.605	0.628	11.59	
trans-1.3-Dichloropropene	1	0		5.68	16.88	20			0.576	0.588	15.62	
Ethyl methacrylate	1	0		5.72	23.16				0.369			
1.1.2-Trichloroethane	1	0		5.80	19.76	20			0.402	0.397	1.22	
1.2-Dibromoethane	1	0		6.13	19.91	20			0.474	0.472	0.46	
1.3-Dichloropropane	1	0		5.90	21.42	20			0.647	0.693	7.11	
4-Methyl-2-Pentanone	1	0		5.44	23.83	20			0.337	0.401	19.17	
2-Hexanone	1	0		5.93	18.79	20			0.187	0.236	6.07	
Tetrachloroethene	1	0		5.89	17.73	20			0.468	0.415	11.37	
Toluene-d8	1	0	S	5.52	30.43	30			1.291	1.310	1.44	
Toluene	1	0	CC	5.56	18.28	20	20		0.999	0.913	8.61	
1.1.1.2-Tetrachloroethane	1	0		6.45	20.21	20			0.513	0.519	1.04	
Chlorobenzene	1	0	CP	6.40	19.02	20	0.3		1.213	1.154	4.88	
1.4-Dichlorobenzene-d4	1	0	I	7.81	30.00	30				0.000	0.00	
n-Butyl acrylate	1	0		6.70	18.63				0.847			
n-Amyl acetate	1	0		6.83	21.14				0.804			
Bromoform	1	0	CP	6.91	21.32	20	0.1		0.594	0.655	6.61	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 3M01129.D **Instrument:** GCMS 3

Cont Calibration Date/Time 10/27/2011 8:40:00 Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Ethylbenzene	1	0	CC	6.46	18.49	20	20		0.661	0.611	7.54	
1.1.2.2-Tetrachloroethane	1	0	CP	7.16	22.84	20	0.3		0.671	0.766	14.19	
Bromofluorobenzene	1	0	S	7.09	30.73	30			0.846	0.866	2.44	
Styrene	1	0		6.77	21.93	20			1.666	1.766	9.66	
m&p-Xylenes	1	0		6.52	43.51	40			0.939	1.021	8.77	
o-Xylene	1	0		6.77	20.61	20			0.963	0.992	3.06	
trans-1.4-Dichloro-2-butene	1	0		7.19	25.90	20			0.165	0.267	29.50	
1.3-Dichlorobenzene	1	0		7.77	18.95	20			1.532	1.451	5.26	
1.4-Dichlorobenzene	1	0		7.82	19.02	20			1.655	1.574	4.91	
1.2-Dichlorobenzene	1	0		8.07	19.78	20			1.527	1.510	1.12	
Isopropylbenzene	1	0		6.98	20.38	20			2.427	2.474	1.91	
Cyclohexanone	1	0		7.07	156.78				0.022			
Camphene	1	0		7.16	16.82	20			0.614	0.517	15.89	
1.2.3-Trichloropropane	1	0		7.20	21.00	20			0.913	0.959	5.02	
2-Chlorotoluene	1	0		7.30	20.47	20			1.784	1.827	2.37	
p-Ethyltoluene	1	0		7.29	21.49				2.657			
4-Chlorotoluene	1	0		7.37	21.39	20			1.696	1.814	6.94	
n-Propylbenzene	1	0		7.23	20.25	20			2.749	2.783	1.24	
Bromobenzene	1	0		7.20	20.97	20			1.614	1.692	4.85	
1.3.5-Trimethylbenzene	1	0		7.32	19.10	20			2.144	2.048	4.50	
Butyl methacrylate	1	0		7.34	23.69				0.876			
t-Butylbenzene	1	0		7.54	18.93	20			1.901	1.799	5.34	
1.2.4-Trimethylbenzene	1	0		7.57	20.59	20			2.255	2.321	2.95	
sec-Butylbenzene	1	0		7.67	18.37	20			2.028	1.862	8.16	
4-Isopropyltoluene	1	0		7.75	19.09	20			1.757	1.677	4.57	
n-Butylbenzene	1	0		8.01	18.60	20			1.826	1.698	7.01	
p-Diethylbenzene	1	0		7.99	18.11				0.918			
1.2.4.5-Tetramethylbenzene	1	0		8.50	16.34				1.654			
1.2-Dibromo-3-Chloropropane	1	0		8.56	18.83	20			0.139	0.166	5.86	
Camphor	1	0		9.05	184.66	200			0.054	0.058	7.67	
Hexachlorobutadiene	1	0		9.19	19.64	20			0.507	0.398	1.82	
1.2.4-Trichlorobenzene	1	0		9.10	19.62	20			0.852	0.810	1.91	
1.2.3-Trichlorobenzene	1	0		9.44	18.98	20			0.835	0.714	5.08	
Naphthalene	1	0		9.28	19.37	20			1.730	1.620	3.15	
Freon 113	1	100		0.00	0.00	20				0.000	100.00	
1.2-Dioxane	1	100		0.00	0.00	2000				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

FORM8

Internal Standard Areas

Evaluation Std Data File: 2M72795.D Method: EPA 8260B

Analysis Date/Time: 09/23/11 10:23

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	229036	4.75	204792	6.61	145597	8.05						
Eval File Area Limit:	114518-458072		102396-409584		72798-291194							
Eval File Rt Limit:	4.25-5.25		6.11-7.11		7.55-8.55							

Data File	Sample												
2M72787.D	BLKJUG#3	259487	4.75	222956	6.61	149751	8.05						
2M72788.D	CAL @ 1 PPB	253575	4.75	212931	6.61	158878	8.05						
2M72789.D	CAL @ 0.5 PF	218377	4.75	195000	6.61	145534	8.05						
2M72790.D	CAL @ 5 PPB	242048	4.75	220286	6.61	156350	8.05						
2M72791.D	CAL @ 500 P	241398	4.75	192098	6.61	115514	8.05						
2M72792.D	CAL @ 250 P	203037	4.75	175686	6.61	112220	8.05						
2M72793.D	CAL @ 100 P	242871	4.76	210327	6.61	144848	8.05						
2M72794.D	CAL @ 50 PP	230969	4.76	210040	6.61	147065	8.04						
2M72795.D	CAL @ 20 PP	229036	4.75	204792	6.61	145597	8.05						
2M72796.D	CAL @ 10 PP	205311	4.76	188798	6.61	133204	8.05						
2M72797.D	ICV	235859	4.75	216274	6.61	151976	8.05						
2M72798.D	BLK	229881	4.76	210730	6.61	152520	8.05						
2M72799.D	DAILY BLANK	228130	4.75	195380	6.61	145489	8.05						
2M72800.D	DAILY BLANK	216417	4.75	197077	6.61	139557	8.05						
2M72802.D	MBS11753	198256	4.75	178053	6.61	125703	8.05						
2M72803.D	MBS11754	202529	4.75	180663	6.61	123758	8.04						
2M72804.D	AC61678-001	212007	4.75	140158	6.61	129513	8.05						
2M72805.D	AC61678-002	192461	4.75	172328	6.61	126645	8.05						
2M72806.D	AC61678-003	217638	4.75	188575	6.61	134275	8.05						
2M72807.D	AC61678-004	224609	4.75	153901	6.61	138604	8.05						
2M72808.D	AC61678-005	227814	4.75	201123	6.61	141595	8.05						
2M72809.D	AC61660-003	239142	4.76	213923	6.61	115313	8.05						
2M72810.D	AC61660-004	235876	4.75	213363	6.61	112258	8.05						
2M72811.D	AC61601-001	236161	4.75	211105	6.61	147243	8.05						
2M72812.D	AC61570-002	227975	4.75	210556	6.61	146979	8.05						
2M72813.D	AC61601-001	237658	4.75	221201	6.61	154060	8.05						
2M72814.D	AC61570-002	217351	4.75	198517	6.61	140831	8.05						
2M72815.D	AC61586-001	238781	4.75	219336	6.61	156655	8.05						
2M72816.D	AC61651-004	233999	4.76	217481	6.61	153325	8.05						
2M72817.D	AC61651-005	238499	4.75	223361	6.61	160496	8.05						
2M72818.D	AC61635-002	242408	4.76	224675	6.61	160433	8.05						
2M72819.D	AC61645-013	201257	4.75	188461	6.61	132476	8.05						
2M72820.D	AC61651-001	239228	4.75	215307	6.61	153648	8.05						
2M72821.D	AC61651-002	224271	4.76	207229	6.61	146917	8.05						
2M72822.D	AC61651-003	232629	4.76	217630	6.61	155082	8.05						
2M72823.D	AC61633-001	240276	4.75	220481	6.61	155569	8.05						
2M72824.D	AC61645-009	237335	4.76	225834	6.61	155984	8.05						
2M72825.D	EF-1-V-12467	210707	4.76	199130	6.61	139820	8.05						
2M72826.D	AC61676-004	215995	4.75	199936	6.61	141160	8.05						
2M72827.D	BLK	229223	4.75	204721	6.61	146287	8.05						
2M72831.D	BLK	230825	4.76	221419	6.61	157647	8.05						
2M72832.D	MBS11765	237358	4.75	226999	6.62	162721	8.05						
2M72833.D	AC61645-004	255750	4.75	218701	6.62	156289	8.05						
2M72834.D	AC61645-004	254119	4.75	218858	6.61	152337	8.05						
2M72835.D	BLK	260941	4.75	205824	6.62	149710	8.05						
2M72842.D	MBS11766	258572	4.76	226393	6.62	158483	8.05						
2M72843.D	BLK	237648	4.76	205293	6.62	146521	8.05						
2M72844.D	BLK	249437	4.76	204799	6.62	146488	8.05						
2M72850.D	BLK	248028	4.76	202693	6.62	144899	8.05						

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1.4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 3M00103.D Method: EPA 8260B

Analysis Date/Time: 10/12/11 10:48

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	486235	4.55	373757	6.37	242853	7.79						
Eval File Area Limit:	243118-972470		186878-747514		121426-485706							
Eval File Rt Limit:	4.05-5.05		5.87-6.87		7.29-8.29							

Data File	Sample											
3M00095.D	BLK	396136	4.55	312331	6.37	192731	7.79					
3M00096.D	CAL @ 1 PPB	413477	4.55	307591	6.37	203604	7.79					
3M00097.D	CAL @ 0.5 PF	388758	4.54	286340	6.37	188270	7.79					
3M00098.D	CAL @ 5 PPB	403686	4.55	303122	6.37	205122	7.79					
3M00099.D	CAL @ 500 P	503872	4.55	394492	6.37	266754	7.79					
3M00100.D	CAL @ 250 P	542066	4.55	439855	6.37	282769	7.79					
3M00101.D	CAL @ 100 P	522572	4.55	409377	6.37	279074	7.79					
3M00102.D	CAL @ 50 PP	517300	4.55	410124	6.37	265255	7.79					
3M00103.D	CAL @ 20 PP	486235	4.55	373757	6.37	242853	7.79					
3M00104.D	CAL @ 10 PP	493418	4.55	375942	6.38	244048	7.79					
3M00105.D	20 PPB	489748	4.55	374746	6.37	245067	7.79					
3M00106.D	BLK	454384	4.55	338727	6.37	206146	7.79					
3M00107.D	ICV	478063	4.55	361961	6.37	238659	7.79					
3M00108.D	BLKJUG#2	439396	4.55	330332	6.38	204075	7.79					
3M00109.D	DAILY BLANK	424144	4.55	306492	6.38	193974	7.80					
3M00110.D	DAILY BLANK	421774	4.56	334221	6.39	194668	7.81					
3M00113.D	MBS11937	436300	4.55	336582	6.38	225884	7.79					
3M00114.D	AC61934-005(	405546	4.55	312804	6.38	196880	7.79					
3M00115.D	AC61934-006(	435604	4.55	327969	6.38	187323	7.79					
3M00116.D	AC61934-007(	421278	4.55	314884	6.38	182605	7.80					
3M00117.D	AC61934-008(	421510	4.55	328755	6.38	204524	7.80					
3M00118.D	AC61913-001(	429697	4.55	313403	6.38	183444	7.80					
3M00119.D	MBS11941	418633	4.55	319308	6.38	223733	7.80					
3M00120.D	61969-012(8u	421227	4.56	316004	6.38	185016	7.79					
3M00121.D	AC61969-011(	393531	4.55	310652	6.38	200372	7.80					
3M00122.D	AC61977-001	394567	4.55	294709	6.38	180293	7.80					
3M00123.D	AC61969-012	414370	4.55	301639	6.38	192381	7.80					
3M00124.D	AC61977-005	407128	4.55	298370	6.38	195477	7.80					
3M00125.D	AC61934-009(	435647	4.56	336874	6.38	200199	7.80					
3M00126.D	AC61934-010(	424857	4.56	323922	6.38	190636	7.80					
3M00127.D	AC61934-011(	406899	4.55	298793	6.38	173616	7.80					
3M00128.D	EF-1V-126051	404842	4.55	305232	6.38	172480	7.80					
3M00129.D	AC61934-005(	413615	4.55	315811	6.38	204810	7.80					
3M00130.D	AC61934-005(	444638	4.55	329131	6.38	211905	7.80					
3M00131.D	AC61998-003	404356	4.55	334076	6.38	215719	7.80					
3M00132.D	AC61998-001	402371	4.55	373908	6.38	267493	7.80					
3M00133.D	AC61998-002(	456040	4.55	406706	6.38	275481	7.80					
3M00134.D	AC61985-008	461680	4.55	366101	6.38	239100	7.80					
3M00135.D	AC61985-004	445826	4.55	362708	6.38	234252	7.80					
3M00136.D	AC61985-003	459884	4.55	338148	6.38	217885	7.80					
3M00137.D	AC61985-002	450257	4.55	339918	6.38	217289	7.80					
3M00138.D	AC61977-003	460818	4.55	332616	6.38	217536	7.80					
3M00139.D	BLK	454952	4.56	348581	6.38	219422	7.80					
3M00140.D	BLK	422259	4.56	317390	6.38	194664	7.80					
3M00141.D	BLK	408069	4.56	294935	6.38	181397	7.80					
3M00142.D	MBS11943	418399	4.56	321738	6.38	220845	7.80					
3M00143.D	MBS11944	419380	4.55	334375	6.38	218154	7.80					
3M00144.D	BLK	392300	4.56	290562	6.38	177627	7.80					
3M00152.D	BLK	339993	4.56	253525	6.39	144315	7.81					
3M00158.D	BLK	315314	4.56	230402	6.39	129086	7.80					
3M00167.D	BLK	320806	4.56	257497	6.39	149891	7.81					
3M00168.D	MBS11945	358031	4.56	269036	6.39	172559	7.81					
3M00169.D	BLK	318312	4.56	251571	6.39	148782	7.81					

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 3M00103.D Method: EPA 8260B

Analysis Date/Time: 10/12/11 10:48

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	486235	4.55	373757	6.37	242853	7.79						
Eval File Area Limit:	243118-972470		186878-747514		121426-485706							
Eval File Rt Limit:	4.05-5.05		5.87-6.87		7.29-8.29							

Data File	Sample						
3M00170.D	BLK	308249	4.56	225640	6.39	131134	7.81
3M00171.D	BLK	306012	4.56	229599	6.39	125065	7.81
3M00172.D	BLK	304142	4.56	231805	6.39	134728	7.81
3M00173.D	BLK	306690	4.56	233462	6.39	133550	7.81
3M00174.D	BLK	280063	4.56	212877	6.39	112834 A	7.81

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 2M73968.D Method: EPA 8260B

Analysis Date/Time: 10/19/11 10:23

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	322004	4.77	259325	6.62	163118	8.06						
Eval File Area Limit:	161002-644008		129662-518650		81559-326236							
Eval File Rt Limit:	4.27-5.27		6.12-7.12		7.56-8.56							

Data File	Sample												
2M73967.D	20 PPB	324303	4.77	250726	6.62	163226	8.05						
2M73969.D	BLK	319888	4.77	247138	6.62	160236	8.05						
2M73970.D	DAILY BLANK	321574	4.76	237042	6.62	153918	8.06						
2M73971.D	DAILY BLANK	276727	4.77	213985	6.62	132721	8.05						
2M73972.D	MBS12129	326744	4.77	252759	6.62	166137	8.06						
2M73973.D	MBS12130	291525	4.76	209920	6.62	139472	8.06						
2M73974.D	AC62167-003	306829	4.76	234687	6.62	143159	8.06						
2M73975.D	AC62167-004	294243	4.76	223360	6.62	141066	8.06						
2M73976.D	AC62167-005	271434	4.76	199270	6.62	123875	8.06						
2M73977.D	AC62167-006	278994	4.77	206835	6.62	135240	8.06						
2M73978.D	AC62167-007	299401	4.76	233913	6.62	140501	8.06						
2M73979.D	AC62167-008	306689	4.77	227672	6.62	140471	8.07						
2M73980.D	AC62167-009	304061	4.77	226123	6.62	144709	8.06						
2M73981.D	MBS12132	254190	4.77	192534	6.62	128226	8.06						
2M73982.D	AC62165-002	294533	4.77	214337	6.63	142247	8.06						
2M73983.D	AC62165-003	281118	4.77	211580	6.63	130406	8.07						
2M73984.D	AC62168-001	290579	4.77	228520	6.63	138483	8.07						
2M73985.D	AC62169-004	296858	4.77	226017	6.63	150730	8.07						
2M73986.D	AC62169-005	300342	4.77	225399	6.63	142477	8.07						
2M73987.D	MBS12136	282880	4.77	215456	6.63	134065	8.07						
2M73988.D	AC62141-005	294126	4.77	231323	6.63	148639	8.07						
2M73989.D	AC62115-009	261348	4.77	197086	6.63	130149	8.07						
2M73990.D	AC62115-010	263732	4.77	202648	6.63	131777	8.07						
2M73991.D	AC62115-001	292846	4.77	225092	6.63	151595	8.07						
2M73992.D	AC62115-002	299550	4.77	232931	6.63	155115	8.07						
2M73993.D	AC62115-003	258303	4.77	199137	6.63	134552	8.07						
2M73994.D	AC62115-004	304002	4.77	236053	6.63	149241	8.07						
2M73995.D	AC62115-005	253110	4.77	199054	6.63	127947	8.07						
2M73996.D	AC62115-006	289951	4.77	223090	6.63	148818	8.07						
2M73997.D	AC62115-007	314836	4.77	246720	6.63	165274	8.07						
2M73998.D	AC62115-008	307070	4.77	247583	6.63	166874	8.07						
2M73999.D	AC62141-001	258267	4.77	203465	6.63	136518	8.07						
2M74000.D	AC62141-002	292070	4.77	224377	6.63	150619	8.07						
2M74001.D	AC62141-003	312724	4.77	244928	6.63	166170	8.07						
2M74002.D	AC62141-004	309124	4.77	242831	6.63	159623	8.07						
2M74003.D	AC62078-012(	291083	4.77	222216	6.63	154074	8.07						
2M74004.D	AC62078-012(	300367	4.77	234090	6.63	158686	8.07						
2M74005.D	BLK	286705	4.77	218424	6.63	145242	8.07						
2M74011.D	MBS12141	300240	4.77	235543	6.63	158530	8.07						
2M74012.D	AC62078-013(	284023	4.77	224576	6.63	150676	8.07						
2M74013.D	AC62078-013(	317361	4.78	241347	6.63	164532	8.07						
2M74014.D	BLK	298800	4.77	231160	6.64	157260	8.07						
2M74015.D	BLK	296138	4.77	232620	6.63	154135	8.07						
2M74016.D	MBS12142	283386	4.78	230369	6.63	158150	8.07						
2M74017.D	BLK	246216	4.78	189844	6.63	130552	8.07						
2M74034.D	MBS12143	282820	4.78	216787	6.64	148330	8.07						
2M74035.D	BLK	260654	4.78	200756	6.64	139255	8.07						
2M74040.D	MBS12144	276297	4.78	219379	6.63	154270	8.07						
2M74041.D	BLK	294128	4.78	231148	6.64	160599	8.07						
2M74042.D	BLK	296311	4.78	234777	6.63	167155	8.08						

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 3M00770.D Method: EPA 8260B

Analysis Date/Time: 10/21/11 09:27

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	317697	4.56	246274	6.38	168700	7.80						
Eval File Area Limit:	158848-635394		123137-492548		84350-337400							
Eval File Rt Limit:	4.06-5.06		5.88-6.88		7.3-8.3							

Data File	Sample												
3M00769.D	BLK	312162	4.56	252860	6.38	155822	7.80						
3M00771.D	BLK	313189	4.55	239910	6.38	146095	7.80						
3M00772.D	DAILY BLANK	320117	4.55	222837	6.38	132729	7.80						
3M00773.D	DAILY BLANK	306535	4.55	219256	6.38	133362	7.80						
3M00774.D	MBS12164	339195	4.55	246954	6.38	179554	7.80						
3M00776.D	MBS12165	336876	4.56	257251	6.38	175500	7.80						
3M00777.D	AC62186-009	306717	4.56	238025	6.38	146553	7.80						
3M00781.D	AC62208-001	286031	4.56	215105	6.39	130396	7.80						
3M00787.D	AC62011-001	304900	4.56	237857	6.38	143818	7.80						
3M00788.D	AC62011-003	294295	4.56	231970	6.38	136964	7.80						
3M00789.D	AC62221-001	299018	4.55	223824	6.38	147755	7.80						
3M00790.D	AC62154-001	318719	4.55	225123	6.38	134908	7.81						
3M00791.D	AC62145-002	316360	4.55	244293	6.38	142117	7.80						
3M00792.D	AC62145-001	311578	4.55	238616	6.38	153435	7.80						
3M00793.D	AC62050-001	334589	4.56	248888	6.38	152630	7.80						
3M00794.D	EF-1V-126051	335998	4.55	245513	6.38	147955	7.80						
3M00797.D	AC62208-001	319669	4.55	245680	6.38	166245	7.80						
3M00798.D	AC62208-001	328190	4.56	261946	6.38	164395	7.80						
3M00799.D	BLK	319498	4.55	253820	6.38	166975	7.80						
3M00800.D	BLK	325246	4.55	254069	6.38	147989	7.80						
3M00801.D	BLK	323642	4.55	247660	6.38	146378	7.80						
3M00802.D	MBS12174	336724	4.55	264778	6.38	183041	7.79						
3M00803.D	BLK	314628	4.55	239374	6.38	145539	7.80						
3M00811.D	MBS12175	334290	4.55	264723	6.38	172532	7.80						
3M00812.D	AC62039-007	341848	4.55	272195	6.37	175595	7.80						
3M00813.D	AC62039-007	344185	4.55	275666	6.38	178636	7.79						
3M00814.D	BLK	326848	4.55	244828	6.38	150419	7.79						
3M00815.D	BLK	309383	4.55	241722	6.38	146551	7.79						
3M00820.D	AC62181-005	319359	4.55	243139	6.38	170745	7.79						
3M00821.D	AC62181-006	320845	4.55	254797	6.38	174537	7.79						
3M00822.D	MBS12176	343792	4.55	263450	6.38	176050	7.79						
3M00829.D	BLK	280076	4.55	221317	6.38	120914	7.79						
3M00830.D	BLK	271322	4.55	220182	6.38	121342	7.80						
3M00831.D	BLK	267548	4.55	204100	6.38	125901	7.79						
3M00832.D	BLK	270264	4.55	213876	6.37	123426	7.79						
3M00833.D	MBS12177	292114	4.55	226608	6.37	150426	7.79						
3M00834.D	MBS12178	306435	4.55	249502	6.37	169779	7.79						
3M00835.D	BLK	285784	4.55	223431	6.38	137287	7.80						
3M00853.D	BLK	264724	4.55	199698	6.37	108818	7.79						
3M00854.D	BLK	252556	4.54	155785	6.37	303 A	7.84						
3M00855.D	BLK	211754	4.54	139635	6.37	230 A	7.89						
3M00856.D	BLK	191563	4.55	130154	6.37	171 A	7.63						
3M00857.D	BLK	195730	4.55	126988	6.37	0 A	0.00 R						
3M00858.D	BLK	205233	4.54	128756	6.37	0 A	0.00 R						
3M00859.D	BLK	211039	4.54	147125	6.37	0 A	0.00 R						
3M00860.D	BLK	202675	4.54	156663	6.37	176 A	7.94						
3M00861.D	BLK	207798	4.54	156110	6.37	109 A	7.73						
3M00862.D	BLK	213000	4.55	163273	6.37	188 A	7.76						
3M00863.D	BLK	217285	4.54	158561	6.37	119 A	7.85						
3M00864.D	BLK	215278	4.54	169410	6.37	104 A	7.86						
3M00865.D	BLK	217934	4.54	169910	6.37	109 A	7.92						
3M00866.D	BLK	209633	4.54	160556	6.37	247 A	7.82						
3M00867.D	BLK	227236	4.54	165206	6.37	121 A	7.86						

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 3M00770.D Method: EPA 8260B

Analysis Date/Time: 10/21/11 09:27

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	317697	4.56	246274	6.38	168700	7.80						
Eval File Area Limit:	158848-635394		123137-492548		84350-337400							
Eval File Rt Limit:	4.06-5.06		5.88-6.88		7.3-8.3							

Data File	Sample						
3M00868.D	BLK	220279	4.54	174628	6.37	0 A	0.00 R
3M00869.D	BLK	231002	4.54	170936	6.37	149 A	7.83
3M00870.D	BLK	226609	4.54	170556	6.37	115 A	7.79
3M00871.D	BLK	236383	4.54	170570	6.37	108 A	7.89
3M00872.D	BLK	237111	4.54	186758	6.37	182 A	7.82

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1.4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 1M74829.D Method: EPA 8260B

Analysis Date/Time: 10/21/11 13:07

Lab File ID: CAL @ 50 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	151212	4.50	105206	6.34	69011	7.77						
Eval File Area Limit:	75606-302424		52603-210412		34506-138022							
Eval File Rt Limit:	4-5		5.84-6.84		7.27-8.27							

Data File	Sample												
1M74821.D	BLK	140500	4.50	100825	6.34	59302	7.77						
1M74822.D	CAL @ 0.5 PF	132150	4.50	99603	6.34	62831	7.77						
1M74823.D	CAL @ 1 PPB	136620	4.50	93794	6.34	59308	7.77						
1M74824.D	CAL @ 2 PPB	144202	4.50	109533	6.34	57987	7.77						
1M74825.D	CAL @ 5 PPB	136100	4.50	93056	6.34	60087	7.77						
1M74826.D	CAL @ 500 P	142473	4.52	99306	6.36	50879	7.79						
1M74827.D	CAL @ 250 P	143573	4.50	101337	6.34	55142	7.77						
1M74828.D	CAL @ 100 P	158835	4.50	120805	6.34	65671	7.77						
1M74829.D	CAL @ 50 PP	151212	4.50	105206	6.34	69011	7.77						
1M74830.D	CAL @ 20 PP	157834	4.50	114119	6.34	69351	7.77						
1M74831.D	50 PPB	163250	4.50	126162	6.34	70879	7.77						
1M74832.D	50 PPB	162631	4.50	120568	6.34	68225	7.77						
1M74833.D	ICV	151883	4.50	119201	6.34	64511	7.77						
1M74834.D	BLK	162674	4.50	121553	6.34	71514	7.77						
1M74835.D	BLK	159346	4.50	123366	6.34	66870	7.77						
1M74836.D	DAILY BLANK	144227	4.50	89556	6.34	55449	7.77						
1M74837.D	AC62154-001	149324	4.50	115483	6.34	66327	7.77						
1M74838.D	MBS12168	152558	4.50	112582	6.34	65863	7.77						
1M74839.D	BLK	147358	4.50	107936	6.34	67927	7.77						
1M74840.D	AC62221-001	153864	4.50	114636	6.34	66757	7.77						
1M74841.D	AC62169-004	148652	4.50	105116	6.34	64767	7.77						
1M74842.D	AC62187-001	130445	4.50	98244	6.34	60822	7.77						
1M74843.D	AC62187-002	141721	4.50	103339	6.34	59029	7.77						
1M74844.D	AC62187-003	140433	4.50	102946	6.34	59721	7.77						
1M74845.D	AC62187-004	138078	4.50	98977	6.34	55104	7.77						
1M74846.D	AC62187-009	126850	4.50	90389	6.34	54707	7.77						
1M74847.D	AC62187-010	129635	4.50	86528	6.34	49825	7.77						
1M74848.D	AC62187-011	140070	4.50	91822	6.34	50756	7.77						
1M74849.D	AC62187-012	136935	4.50	97198	6.34	53082	7.77						
1M74850.D	AC62187-013	134115	4.50	94913	6.34	53822	7.77						
1M74851.D	AC62187-014	132779	4.50	92536	6.34	52301	7.77						
1M74852.D	AC62187-015	131538	4.50	95537	6.34	48416	7.76						
1M74853.D	AC62190-003	134449	4.50	98512	6.34	50283	7.77						
1M74854.D	AC62190-004	131664	4.50	95660	6.34	52643	7.76						
1M74855.D	AC62190-005	139875	4.50	99550	6.34	54300	7.77						
1M74856.D	AC62190-006	136005	4.50	103438	6.34	55614	7.77						
1M74857.D	AC62190-007	123429	4.50	97585	6.34	52495	7.77						
1M74858.D	AC62190-008	119895	4.50	85481	6.34	48885	7.77						
1M74859.D	MBS12170	124174	4.50	98511	6.34	54184	7.76						
1M74860.D	AC62154-001	60740 A	4.50	48035 A	6.34	28975 A	7.76						
1M74861.D	AC62154-001	136207	4.50	94368	6.34	61470	7.77						
1M74862.D	MBS12171	146484	4.50	108012	6.34	63254	7.76						
1M74863.D	BLK	135803	4.50	78339	6.34	55489	7.76						
1M74864.D	BLK	140078	4.50	95168	6.34	57420	7.76						
1M74865.D	BLK	142186	4.50	100163	6.34	55583	7.76						
1M74866.D	BLK	142854	4.50	99944	6.34	49759	7.77						

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 1M74869.D Method: EPA 8260B

Analysis Date/Time: 10/24/11 07:35

Lab File ID: CAL @ 50 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	151884	4.49	110757	6.33	63460	7.76						
Eval File Area Limit:	75942-303768		55378-221514		31730-126920							
Eval File Rt Limit:	3.99-4.99		5.83-6.83		7.26-8.26							

Data File	Sample												
1M74868.D	BLK	257587	4.49	155726	6.33	90229	7.76						
1M74870.D	BLK	137848	4.49	97097	6.33	55759	7.76						
1M74871.D	BLK	127066	4.49	93634	6.33	51123	7.76						
1M74872.D	DAILY BLANK	121135	4.49	83343	6.33	50223	7.76						
1M74873.D	MBS12172	129548	4.51	92114	6.35	58704	7.78						
1M74874.D	BLK	131762	4.49	96551	6.33	58308	7.76						
1M74875.D	AC62221-004	130996	4.50	95606	6.34	46017	7.76						
1M74876.D	AC62221-003	116136	4.50	81394	6.34	48327	7.76						
1M74877.D	AC62221-002	127917	4.50	91421	6.33	47951	7.76						
1M74878.D	AC62222-002	121343	4.50	82161	6.34	53263	7.76						
1M74879.D	AC62222-001	117773	4.49	86119	6.34	50195	7.76						
1M74880.D	BLK	113750	4.49	83086	6.33	48070	7.76						
1M74881.D	AC62187-001	132613	4.50	90244	6.34	48821	7.76						
1M74882.D	AC62216-004	126830	4.50	81829	6.34	48614	7.76						
1M74883.D	AC62223-006	122547	4.50	85155	6.34	46396	7.76						
1M74884.D	AC62223-005	124038	4.50	76549	6.34	44522	7.76						
1M74885.D	AC62223-004	110255	4.50	76552	6.34	44039	7.76						
1M74886.D	AC62229-001	117904	4.50	83803	6.34	46017	7.76						
1M74887.D	AC62229-004	118598	4.50	80853	6.33	42506	7.76						
1M74888.D	AC62229-005	124671	4.50	89541	6.34	49288	7.77						
1M74889.D	AC62229-006	120673	4.50	84670	6.34	77371	7.76						
1M74890.D	AC62229-002(	136062	4.50	86750	6.34	104096	7.77						
1M74891.D	AC62229-003(	149115	4.50	98199	6.34	77878	7.77						
1M74892.D	AC62229-001(	159045	4.50	122696	6.34	59896	7.77						
1M74893.D	AC62229-001(	160675	4.50	108706	6.34	63087	7.76						
1M74894.D	BLK	150810	4.50	101575	6.34	64818	7.76						
1M74895.D	BLK	160209	4.50	120535	6.34	60327	7.77						
1M74896.D	AC62175-001(	141960	4.50	97973	6.34	58616	7.77						
1M74897.D	BLK	145935	4.50	96704	6.34	56006	7.77						
1M74898.D	AC62175-002(	117832	4.50	79548	6.34	29702 A	7.67						
1M74899.D	MBS12183	150614	4.50	111856	6.34	58726	7.77						
1M74900.D	BLK	137622	4.50	98615	6.34	58571	7.77						
1M74901.D	AC62229-006	138289	4.50	96465	6.34	61784	7.77						
1M74902.D	AC62229-004(	145246	4.50	98306	6.34	58124	7.76						
1M74903.D	AC62229-004(	154907	4.50	111611	6.34	58374	7.77						
1M74904.D	BLK	160956	4.50	105410	6.34	56596	7.77						
1M74905.D	AC62234-001	159552	4.50	106708	6.34	59164	7.77						
1M74906.D	AC62254-001	153548	4.51	119965	6.34	59562	7.77						
1M74907.D	AC62254-002	163830	4.50	111614	6.34	62079	7.77						
1M74908.D	AC62254-003	150928	4.50	96061	6.34	57710	7.77						
1M74909.D	AC62254-006	147530	4.50	105246	6.34	53201	7.77						
1M74910.D	BLK	129080	4.50	89716	6.34	54179	7.77						
1M74911.D	BLK	145545	4.50	106109	6.34	57703	7.77						
1M74912.D	BLK	152675	4.50	100464	6.34	51927	7.77						

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1.4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 2M74193.D Method: EPA 8260B

Analysis Date/Time: 10/24/11 14:04

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	192435	4.75	167181	6.61	111178	8.04						
Eval File Area Limit:	96218-384870		83590-334362		55589-222356							
Eval File Rt Limit:	4.25-5.25		6.11-7.11		7.54-8.54							

Data File	Sample												
2M74186.D	CAL @ 1 PPB	157961	4.75	134439	6.61	93460	8.04						
2M74187.D	CAL @ 0.5 PF	175743	4.75	147281	6.60	99515	8.04						
2M74188.D	CAL @ 5 PPB	163714	4.75	141777	6.61	98078	8.04						
2M74189.D	CAL @ 500 P	155384	4.75	116696	6.61	67812	8.04						
2M74190.D	CAL @ 250 P	177671	4.75	141925	6.61	85004	8.04						
2M74191.D	CAL @ 100 P	189403	4.75	162607	6.60	103378	8.04						
2M74192.D	CAL @ 50 PP	186081	4.75	161855	6.61	106522	8.04						
2M74193.D	CAL @ 20 PP	192435	4.75	167181	6.61	111178	8.04						
2M74194.D	CAL @ 10 PP	187721	4.75	159587	6.61	106935	8.04						
2M74195.D	20 PPB	187295	4.75	159470	6.60	106022	8.04						
2M74196.D	ICV	195988	4.75	168608	6.60	111755	8.04						
2M74197.D	BLK	191746	4.75	157295	6.60	106547	8.04						
2M74198.D	DAILY BLANK	178207	4.75	148579	6.61	98751	8.04						
2M74199.D	DAILY BLANK	196073	4.75	165458	6.61	110586	8.04						
2M74200.D	MBS12184	192754	4.75	156339	6.61	105223	8.04						
2M74201.D	MBS12185	185262	4.75	159601	6.61	101420	8.04						
2M74202.D	BLK	182592	4.76	156332	6.61	104021	8.04						
2M74203.D	MDL @ 1 PPE	186138	4.75	158969	6.61	108637	8.04						
2M74204.D	MDL @ 1 PPE	181202	4.76	154812	6.61	103518	8.04						
2M74205.D	MDL @ 1 PPE	144253	4.76	123517	6.61	80939	8.04						
2M74206.D	MDL @ 1 PPE	183763	4.75	155284	6.60	107141	8.05						
2M74207.D	MDL @ 1 PPE	190027	4.75	164646	6.61	111622	8.04						
2M74208.D	MDL @ 1 PPE	195114	4.77	173373	6.62	115644	8.06						
2M74209.D	MDL @ 1 PPE	192386	4.76	169483	6.61	115055	8.04						
2M74210.D	VER @ 0.5 P	185756	4.76	160227	6.61	110397	8.04						
2M74211.D	AC62175-002(	157827	4.75	136393	6.61	94078	8.04						
2M74212.D	BLK	161178	4.76	143406	6.61	99469	8.04						
2M74213.D	AC62229-002(	157094	4.75	138459	6.61	93404	8.05						
2M74214.D	BLK	183369	4.75	163112	6.61	109294	8.04						
2M74215.D	AC62229-003(	185551	4.75	164548	6.61	112578	8.04						
2M74216.D	BLK	163438	4.76	144559	6.61	102091	8.04						
2M74217.D	BLK	205222	4.75	167210	6.60	110096	8.04						

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 me/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 3M00970.D Method: EPA 8260B

Analysis Date/Time: 10/25/11 10:57

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	426153	4.55	324914	6.38	216983	7.79						
Eval File Area Limit:	213076-852306		162457-649828		108492-433966							
Eval File Rt Limit:	4.05-5.05		5.88-6.88		7.29-8.29							

Data File	Sample												
3M00963.D	BLK	302548	4.55	236928	6.37	143816	7.79						
3M00964.D	CAL @ 1 PPB	287887	4.55	218954	6.37	134243	7.79						
3M00965.D	CAL @ 0.5 PF	273796	4.55	208234	6.37	124065	7.79						
3M00966.D	CAL @ 5 PPB	311300	4.55	235224	6.37	161920	7.79						
3M00967.D	CAL @ 500 P	407186	4.55	308910	6.38	223101	7.79						
3M00968.D	CAL @ 250 P	431280	4.55	348761	6.37	240010	7.79						
3M00969.D	CAL @ 100 P	452459	4.55	345784	6.37	239176	7.79						
3M00970.D	CAL @ 20 PP	426153	4.55	324914	6.38	216983	7.79						
3M00971.D	CAL @ 50 PP	414515	4.56	326324	6.39	220690	7.81						
3M00972.D	CAL @ 10 PP	404172	4.55	314065	6.37	203413	7.79						
3M00973.D	20PPB	411810	4.55	318633	6.38	220915	7.79						
3M00974.D	ICV	408299	4.55	315553	6.37	216034	7.79						
3M00975.D	BLK	377470	4.55	286990	6.38	172190	7.79						
3M00976.D	DAILY BLANK	367882	4.54	254644	6.38	168919	7.80						
3M00977.D	DAILY BLANK	366313	4.55	278749	6.38	164911	7.80						
3M00978.D	MBS12197	397110	4.54	305972	6.38	219107	7.79						
3M00979.D	MBS12198	405094	4.55	305075	6.38	216700	7.79						
3M00980.D	BLK	371185	4.55	282128	6.38	167666	7.80						
3M00989.D	BLK	293622	4.55	222027	6.38	127282	7.80						
3M01002.D	AC62212-002	325860	4.55	255094	6.37	166339	7.79						
3M01003.D	AC62212-002	334270	4.55	251998	6.37	180719	7.79						
3M01004.D	BLK	310466	4.55	235751	6.37	143656	7.79						
3M01005.D	BLK	306225	4.55	223458	6.38	135926	7.79						
3M01006.D	BLK	301051	4.55	214618	6.37	127903	7.79						
3M01007.D	MBS12202	323881	4.55	248481	6.37	169254	7.79						
3M01008.D	BLK	300062	4.55	226924	6.38	135087	7.79						
3M01022.D	MBS12203	306594	4.55	236458	6.38	162232	7.79						
3M01023.D	BLK	297051	4.55	220032	6.38	127593	7.79						
3M01031.D	BLK	313743	4.55	254222	6.37	151821	7.79						
3M01032.D	BLK	323332	4.55	255208	6.37	159157	7.79						
3M01033.D	BLK	316483	4.55	244594	6.38	142341	7.80						
3M01034.D	BLK	296792	4.55	231254	6.38	137252	7.80						
3M01035.D	BLK	304628	4.56	234235	6.39	138726	7.81						
3M01036.D	BLK	294988	4.55	214111	6.38	138701	7.80						
3M01037.D	BLK	295498	4.55	225188	6.38	138526	7.80						
3M01038.D	BLK	288722	4.56	224127	6.38	135151	7.80						

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 2M74241.D Method: EPA 8260B

Analysis Date/Time: 10/25/11 12:33

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	190400	4.75	162911	6.61	115442	8.04						
Eval File Area Limit:	95200-380800		81456-325822		57721-230884							
Eval File Rt Limit:	4.25-5.25		6.11-7.11		7.54-8.54							

Data File	Sample												
2M74240.D	20 PPB	164058	4.75	137218	6.61	92947	8.04						
2M74244.D	DAILY BLANK	215501	4.75	150214	6.61	96224	8.04						
2M74245.D	DAILY BLANK	198589	4.75	159742	6.61	104486	8.04						
2M74246.D	MBS12199	185581	4.75	160544	6.60	109212	8.04						
2M74247.D	MBS12200	149675	4.75	123580	6.61	88458	8.04						
2M74248.D	BLK	172462	4.75	154773	6.61	105908	8.04						
2M74249.D	BLK	183668	4.75	163636	6.61	110237	8.04						
2M74251.D	AC62229-007	188728	4.75	166934	6.60	115272	8.04						
2M74252.D	AC62229-008	174682	4.76	156496	6.61	109454	8.04						
2M74253.D	STDTEST	168971	4.75	147128	6.60	100672	8.04						
2M74254.D	AC62228-002(	164488	4.75	146043	6.60	102172	8.04						
2M74255.D	STDTEST	165780	4.75	146314	6.60	100532	8.04						
2M74256.D	AC62248-001	177885	4.75	158860	6.61	103607	8.04						
2M74257.D	AC62248-002	168677	4.75	141343	6.60	96698	8.04						
2M74258.D	AC62248-004	141187	4.75	119746	6.61	79485	8.04						
2M74259.D	AC62248-005	171925	4.75	147623	6.60	97947	8.04						
2M74260.D	AC62248-012	166389	4.74	144478	6.61	95283	8.04						
2M74261.D	AC62248-013	172774	4.75	150909	6.61	98170	8.04						
2M74262.D	AC62248-014	140904	4.75	117619	6.60	80422	8.04						
2M74263.D	AC62248-015	179024	4.75	152765	6.60	99880	8.04						
2M74264.D	AC62248-017	186747	4.75	161611	6.60	105055	8.04						
2M74265.D	AC62248-018	174166	4.75	148108	6.60	99155	8.04						
2M74266.D	AC62107-004	184049	4.75	153999	6.60	103516	8.05						
2M74267.D	AC62107-006	169879	4.75	149481	6.61	95247	8.04						
2M74268.D	MBS12205	179147	4.75	155567	6.61	106324	8.04						
2M74269.D	AC62115-002(	190637	4.76	167203	6.61	114171	8.04						
2M74270.D	AC62115-002(	159395	4.75	139194	6.61	95716	8.04						
2M74271.D	STDTEST	180139	4.75	160512	6.61	108484	8.04						
2M74272.D	AC62167-009(	175705	4.75	156415	6.60	105753	8.04						
2M74273.D	STDTEST	147882	4.75	130960	6.61	86950	8.04						
2M74274.D	AC62167-009(	184638	4.75	159085	6.61	105866	8.04						
2M74275.D	AC62190-013	172163	4.75	151665	6.61	101002	8.04						
2M74276.D	AC62247-002(	175638	4.75	152439	6.61	107145	8.04						
2M74277.D	BLK	181983	4.75	155609	6.61	104029	8.04						
2M74278.D	BLK	186887	4.75	166047	6.61	109264	8.04						
2M74288.D	BLK	208340	4.75	142534	6.61	87343	8.04						
2M74289.D	BLK	202245	4.75	171315	6.61	111128	8.05						
2M74291.D	AC62195-001(	192172	4.75	164001	6.61	113517	8.04						
2M74292.D	AC62195-001(	178892	4.76	157828	6.61	109160	8.04						
2M74298.D	BLK	190723	4.75	159566	6.60	101346	8.04						
2M74299.D	BLK	216376	4.75	183974	6.61	116860	8.04						
2M74300.D	62276-001(8u	239190	4.75	191968	6.61	121496	8.04						
2M74301.D	BLK	231129	4.75	200063	6.61	123164	8.04						
2M74302.D	BLK	238360	4.75	198368	6.61	130072	8.05						
2M74303.D	BLK	238562	4.75	198402	6.61	127362	8.05						
2M74304.D	BLK	237833	4.76	201122	6.61	122470	8.05						
2M74305.D	BLK	232301	4.75	189662	6.61	120102	8.05						
2M74306.D	BLK	234786	4.76	194319	6.61	123677	8.04						
2M74307.D	62273-001(8u	213188	4.76	162731	6.61	116887	8.04						
2M74308.D	BLK	226536	4.76	195948	6.61	116681	8.05						
2M74309.D	62287-001	172507	4.75	144861	6.61	90270	8.05						
2M74310.D	62287-003	214146	4.75	173210	6.61	109689	8.05						
2M74311.D	62288-001	192011	4.75	160462	6.61	100010	8.05						

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1.4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 2M74241.D Method: EPA 8260B

Analysis Date/Time: 10/25/11 12:33

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	190400	4.75	162911	6.61	115442	8.04						
Eval File Area Limit:	95200-380800		81456-325822		57721-230884							
Eval File Rt Limit:	4.25-5.25		6.11-7.11		7.54-8.54							

Data File	Sample						
2M74312.D	62288-003	213641	4.75	180477	6.61	114837	8.05
2M74313.D	62288-005	223550	4.75	187637	6.61	116723	8.05
2M74314.D	62288-007	181740	4.75	155461	6.61	100794	8.05
2M74315.D	BLK	226442	4.75	194823	6.61	121378	8.05
2M74316.D	BLK	218325	4.76	186619	6.61	118284	8.05
2M74317.D	BLK	220499	4.75	190416	6.61	118984	8.05
2M74318.D	BLK	190359	4.75	167341	6.61	103455	8.05
2M74319.D	BLK	218035	4.75	186922	6.61	115652	8.05
2M74320.D	BLK	197056	4.76	163291	6.61	103576	8.05

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1.4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 3M01040.D Method: EPA 8260B

Analysis Date/Time: 10/26/11 07:21

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	315468	4.55	245601	6.38	172803	7.80						
Eval File Area Limit:	157734-630936		122800-491202		86402-345606							
Eval File Rt Limit:	4.05-5.05		5.88-6.88		7.3-8.3							

Data File	Sample												
3M01041.D	BLK	296776	4.55	232282	6.38	137709	7.80						
3M01042.D	DAILY BLANK	302151	4.55	198668	6.38	136067	7.80						
3M01043.D	DAILY BLANK	299284	4.55	225513	6.38	136600	7.80						
3M01044.D	MBS12213	326300	4.55	236544	6.38	177822	7.80						
3M01045.D	MBS12214	352524	4.55	261452	6.38	189958	7.80						
3M01046.D	AC62216-003	315895	4.55	245663	6.38	140194	7.80						
3M01050.D	BLKJUG#2	282295	4.56	214312	6.38	127790	7.80						
3M01051.D	BLK	284900	4.56	219421	6.38	127619	7.80						
3M01052.D	62248-010	274782	4.56	207260	6.39	120912	7.81						
3M01053.D	AC62289-007	282569	4.56	209737	6.39	120974	7.81						
3M01059.D	BLK	270671	4.56	208834	6.39	117456	7.80						
3M01065.D	BLK	343080	4.56	284436	6.39	194068	7.81						
3M01066.D	AC62229-007	351021	4.56	287707	6.39	191075	7.81						
3M01067.D	AC62247-002	347632	4.56	250273	6.39	182226	7.81						
3M01068.D	AC62245-001	370029	4.56	298607	6.39	186054	7.81						
3M01069.D	AC62245-002	345890	4.56	268647	6.39	179036	7.81						
3M01070.D	EF-1V126983	348898	4.56	277818	6.39	174031	7.81						
3M01074.D	BLKJUG#2	330109	4.56	263671	6.39	162592	7.81						
3M01075.D	AC62282-005	329838	4.56	258873	6.39	165630	7.81						
3M01076.D	MBS12219	606176	4.56	282531	6.39	200415	7.81						
3M01077.D	AC62276-001	348062	4.56	284531	6.39	185738	7.81						
3M01078.D	AC62273-001	335958	4.56	289811	6.39	189074	7.81						
3M01079.D	AC62275-001	348872	4.56	252388	6.39	174462	7.81						
3M01080.D	AC62249-006	374267	4.56	288164	6.39	213995	7.81						
3M01081.D	AC62249-006	342737	4.56	276879	6.39	173517	7.81						
3M01082.D	BLK	340565	4.56	264697	6.39	160493	7.81						
3M01083.D	BLK	336411	4.56	258753	6.39	151902	7.81						
3M01084.D	BLK	322266	4.56	245611	6.39	155144	7.81						
3M01085.D	MBS12220	354480	4.56	283381	6.39	196822	7.81						
3M01086.D	BLK	334758	4.56	262642	6.39	157363	7.81						
3M01090.D	AC62261-002	312920	4.56	243019	6.39	146989	7.81						
3M01091.D	AC62261-001	296648	4.56	244117	6.39	141880	7.81						
3M01092.D	BLK	306798	4.56	242352	6.39	131257	7.81						
3M01102.D	MBS12221	308032	4.56	258919	6.39	169798	7.81						
3M01103.D	BLK	309076	4.56	231085	6.39	137746	7.81						
3M01110.D	BLK	291623	4.56	225012	6.39	128949	7.81						
3M01111.D	MBS12222	322031	4.56	247325	6.39	168997	7.81						
3M01112.D	BLK	306492	4.56	228649	6.39	139486	7.81						
3M01113.D	AC62206-006	338403	4.56	252865	6.39	172930	7.81						
3M01114.D	AC62206-006	337147	4.56	270782	6.39	180301	7.81						
3M01115.D	BLK	319428	4.56	236469	6.39	141265	7.81						
3M01116.D	BLK	305578	4.56	238574	6.39	138621	7.81						
3M01117.D	BLK	292450	4.56	240672	6.39	139408	7.81						
3M01118.D	BLK	292929	4.56	229892	6.39	134146	7.81						
3M01119.D	BLK	286346	4.56	226294	6.39	127155	7.81						
3M01120.D	BLK	280723	4.56	216225	6.39	127730	7.81						
3M01121.D	BLK	278703	4.56	221516	6.39	122360	7.81						
3M01122.D	BLK	271073	4.56	214664	6.39	126235	7.81						
3M01123.D	BLK	287229	4.56	228409	6.39	120505	7.81						
3M01124.D	BLK	287978	4.56	218778	6.39	123893	7.81						

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 3M01129.D Method: EPA 8260B

Analysis Date/Time: 10/27/11 08:40

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	349882	4.56	275036	6.39	179386	7.81						
Eval File Area Limit:	174941-699764		137518-550072		89693-358772							
Eval File Rt Limit:	4.06-5.06		5.89-6.89		7.31-8.309999							

Data File	Sample												
3M01130.D	BLK	318382	4.56	245484	6.39	145599	7.81						
3M01131.D	DAILY BLANK	306845	4.56	221684	6.39	147970	7.81						
3M01132.D	DAILY BLANK	328132	4.56	256044	6.39	146635	7.81						
3M01133.D	MBS12223	354169	4.56	257925	6.39	184435	7.81						
3M01134.D	AC62229-008	333602	4.56	259206	6.39	176967	7.81						
3M01135.D	MBS12224	356658	4.56	278710	6.39	202384	7.81						
3M01136.D	BLK	325462	4.56	257593	6.39	157600	7.81						
3M01138.D	BLK	324172	4.56	242656	6.39	171847	7.81						
3M01145.D	BLK	296675	4.56	222323	6.39	130866	7.81						
3M01147.D	AC62261-002	298471	4.56	228816	6.39	140460	7.81						
3M01148.D	AC62261-001	283275	4.56	233668	6.39	131991	7.81						
3M01151.D	MBS12229	340847	4.56	261063	6.39	178093	7.81						
3M01152.D	AC62289-006	293940	4.56	232596	6.39	143705	7.81						
3M01154.D	AC62171-021	333831	4.56	258383	6.39	181007	7.81						
3M01155.D	AC62171-022	334041	4.56	267858	6.39	192117	7.81						
3M01156.D	MBS12235	345792	4.56	267245	6.39	189178	7.81						
3M01157.D	AC62171-043	362124	4.56	280154	6.39	193370	7.81						
3M01158.D	AC62171-044	355970	4.56	281753	6.39	191813	7.81						
3M01159.D	AC62289-002	334363	4.56	256074	6.39	156567	7.81						
3M01160.D	AC62289-005	321069	4.56	255905	6.39	149785	7.81						
3M01161.D	AC62289-001	316782	4.56	242304	6.39	141729	7.81						
3M01162.D	AC62289-003	311719	4.56	234978	6.39	149315	7.81						
3M01163.D	AC62289-004	298005	4.56	234378	6.39	142283	7.81						
3M01164.D	AC62282-001	289981	4.56	229034	6.39	136723	7.81						
3M01165.D	AC62282-003	327048	4.56	249426	6.39	157982	7.81						
3M01166.D	AC62249-006	331647	4.56	264829	6.39	187083	7.81						
3M01167.D	AC62249-006	347325	4.56	274312	6.39	190335	7.81						
3M01168.D	AC62282-002	312818	4.56	246184	6.39	147490	7.81						
3M01169.D	AC62282-004	306375	4.56	242832	6.39	142714	7.81						
3M01170.D	MBS12236	335045	4.56	269866	6.39	183062	7.80						
3M01171.D	BLK	309517	4.56	239618	6.39	146437	7.81						
3M01172.D	BLK	303309	4.56	237940	6.39	137209	7.81						
3M01173.D	MBS12237	337165	4.55	256045	6.38	187913	7.80						
3M01174.D	BLK	314868	4.55	238270	6.38	148322	7.80						
3M01187.D	BLK	282112	4.55	231122	6.38	130303	7.80						
3M01195.D	MBS12238	335733	4.54	265709	6.37	175961	7.78						
3M01196.D	AC62207-002	344763	4.54	270517	6.37	183431	7.79						
3M01198.D	AC62207-002	351253	4.54	267350	6.37	188290	7.79						

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1.4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

Semi-Volatile Data

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC62229-001(3X)
Client Id: B-1
Data File: 9M38805.D
Analysis Date: 10/25/11 15:58
Date Rec/Extracted: 10/21/11-10/24/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 3
Solids: 77

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
122-66-7	1,2-Diphenylhydrazine	0.13	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.13**	**0.49**
95-95-4	2,4,5-Trichlorophenol	0.13	U	65-85-0	Benzoic Acid	0.65	U
88-06-2	2,4,6-Trichlorophenol	0.13	U	111-91-1	bis(2-Chloroethoxy)methan	0.13	U
120-83-2	2,4-Dichlorophenol	0.032	U	111-44-4	bis(2-Chloroethyl)ether	0.032	U
105-67-9	2,4-Dimethylphenol	0.13	U	108-60-1	bis(2-chloroisopropyl)ether	0.13	U
51-28-5	2,4-Dinitrophenol	0.65	U	**117-81-7**	**bis(2-Ethylhexyl)phthalate**	**0.13**	**0.23**
121-14-2	2,4-Dinitrotoluene	0.13	U	85-68-7	Butylbenzylphthalate	0.13	U
606-20-2	2,6-Dinitrotoluene	0.13	U	**86-74-8**	**Carbazole**	**0.13**	**0.15**
91-58-7	2-Chloronaphthalene	0.13	U	**218-01-9**	**Chrysene**	**0.13**	**1.3**
95-57-8	2-Chlorophenol	0.13	U	**53-70-3**	**Dibenzo[a,h]anthracene**	**0.13**	**0.39**
91-57-6	2-Methylnaphthalene	0.13	U	132-64-9	Dibenzofuran	0.032	U
95-48-7	2-Methylphenol	0.032	U	84-66-2	Diethylphthalate	0.13	U
88-74-4	2-Nitroaniline	0.13	U	131-11-3	Dimethylphthalate	0.13	U
88-75-5	2-Nitrophenol	0.13	U	84-74-2	Di-n-butylphthalate	0.065	U
106-44-5	3&4-Methylphenol	0.032	U	117-84-0	Di-n-octylphthalate	0.13	U
91-94-1	3,3'-Dichlorobenzidine	0.13	U	**206-44-0**	**Fluoranthene**	**0.13**	**1.7**
99-09-2	3-Nitroaniline	0.13	U	86-73-7	Fluorene	0.13	U
534-52-1	4,6-Dinitro-2-methylphenol	0.65	U	118-74-1	Hexachlorobenzene	0.13	U
101-55-3	4-Bromophenyl-phenylether	0.13	U	87-68-3	Hexachlorobutadiene	0.13	U
59-50-7	4-Chloro-3-methylphenol	0.13	U	77-47-4	Hexachlorocyclopentadiene	0.13	U
106-47-8	4-Chloroaniline	0.062	U	67-72-1	Hexachloroethane	0.13	U
7005-72-3	4-Chlorophenyl-phenylether	0.13	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.13**	**0.93**
100-01-6	4-Nitroaniline	0.13	U	78-59-1	Isophorone	0.13	U
100-02-7	4-Nitrophenol	0.13	U	**91-20-3**	**Naphthalene**	**0.032**	**0.067**
83-32-9	Acenaphthene	0.13	U	98-95-3	Nitrobenzene	0.13	U
208-96-8	**Acenaphthylene**	**0.13**	**0.34**	62-75-9	N-Nitrosodimethylamine	0.13	U
62-53-3	Aniline	0.053	U	621-64-7	N-Nitroso-di-n-propylamine	0.032	U
120-12-7	**Anthracene**	**0.13**	**0.26**	86-30-6	n-Nitrosodiphenylamine	0.13	U
92-87-5	Benzidine	0.13	U	87-86-5	Pentachlorophenol	0.65	U
56-55-3	**Benzo[a]anthracene**	**0.13**	**0.99**	**85-01-8**	**Phenanthrene**	**0.13**	**0.70**
50-32-8	**Benzo[a]pyrene**	**0.13**	**0.89**	108-95-2	Phenol	0.13	U
205-99-2	**Benzo[b]fluoranthene**	**0.13**	**1.6**	**129-00-0**	**Pyrene**	**0.13**	**1.8**
191-24-2	**Benzo[g,h,i]perylene**	**0.13**	**0.83**				

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea
N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

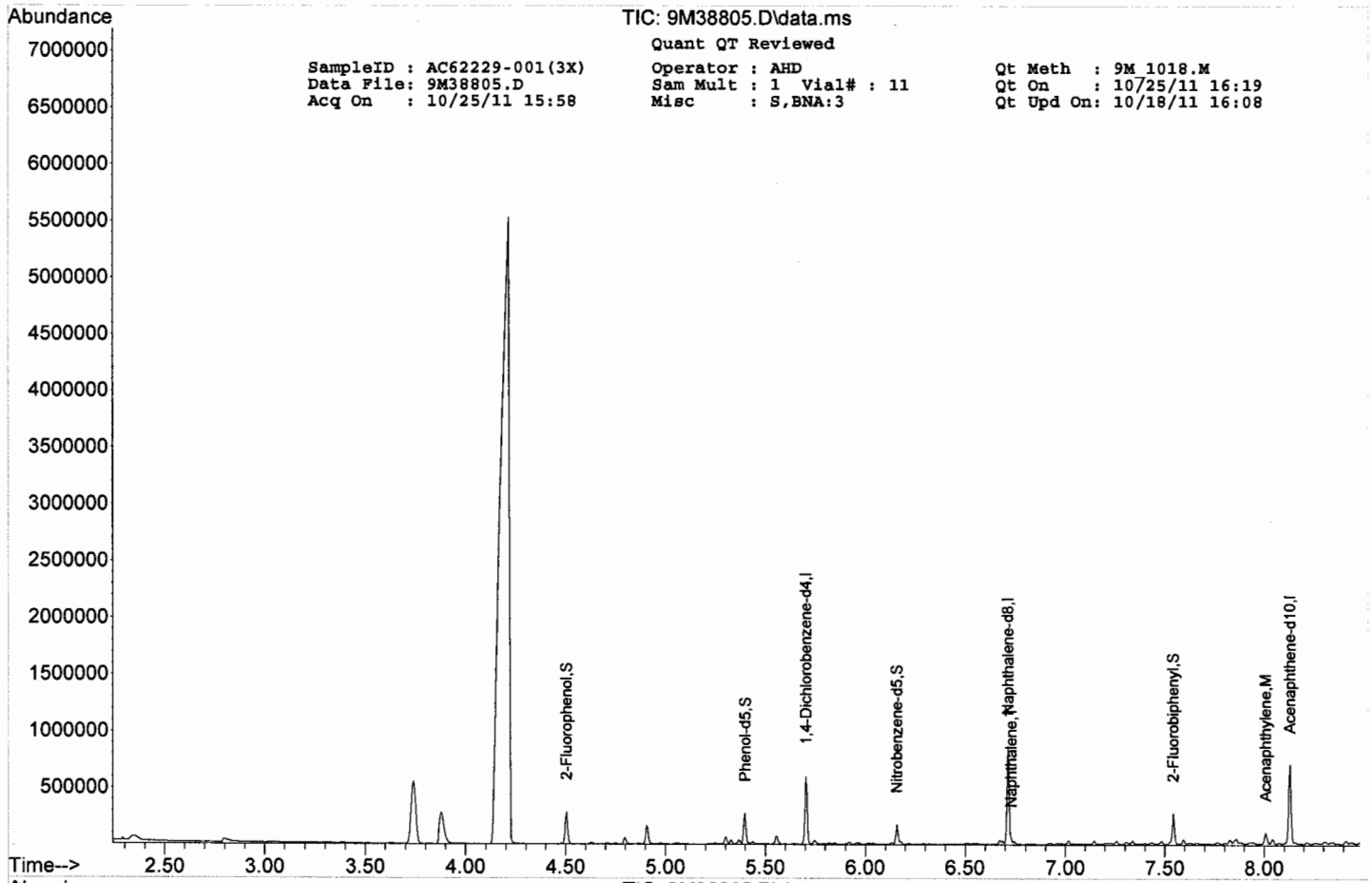
Quantitation Report (QT Reviewed)

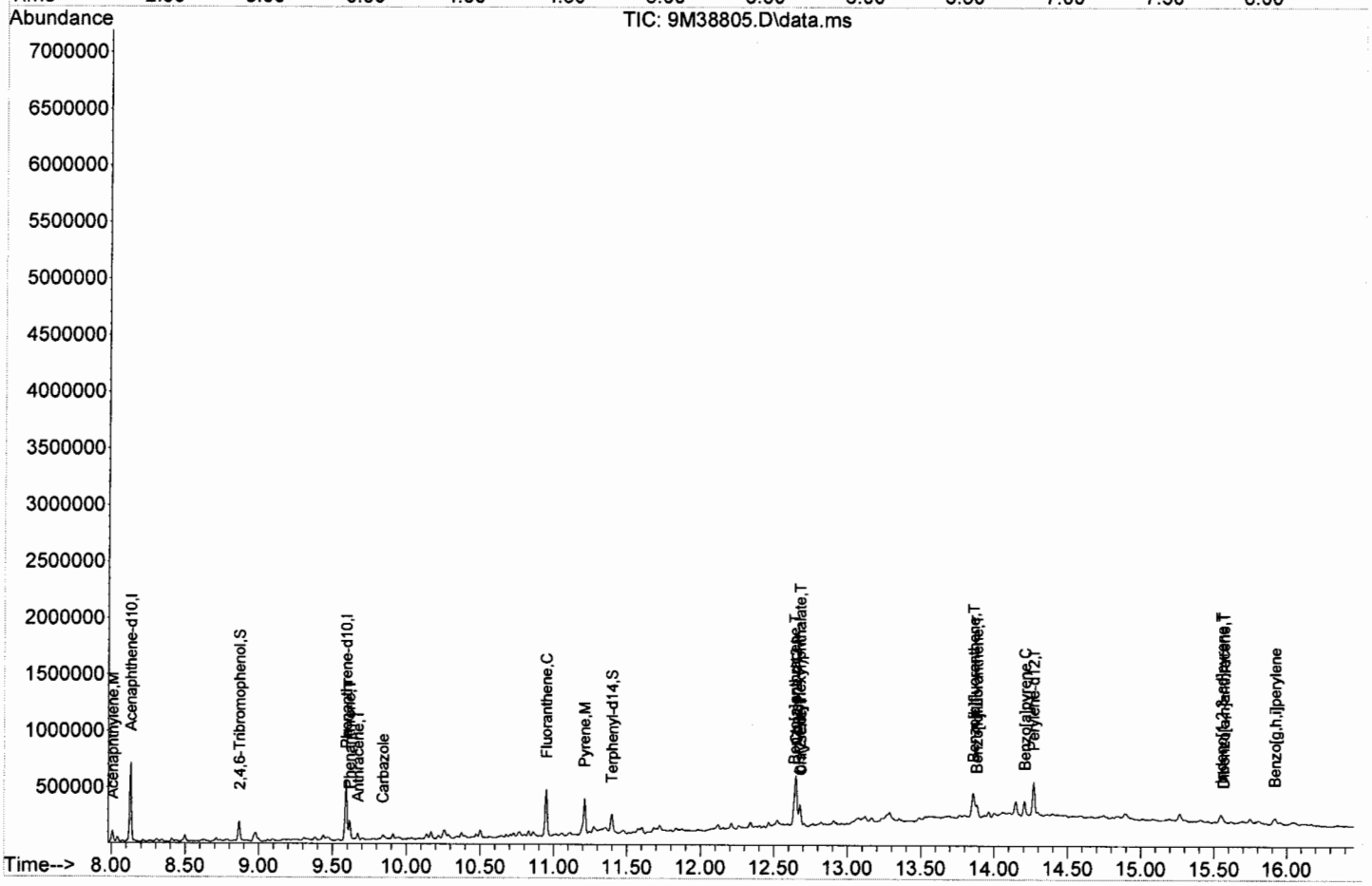
SampleID : AC62229-001(3X) Operator : AHD Qt Meth : 9M_1018.M
Data File: 9M38805.D Sam Mult : 1 Vial# : 11 Qt On : 10/25/11 16:19
Acq On : 10/25/11 15:58 Misc : S,BNA:3 Qt Upd On: 10/18/11 16:08

Data Path : G:\GcMsData\2011\GCMS_9\Data\10-25-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.703	152	65838	40.00	ng	-0.03
29) Naphthalene-d8	6.714	136	259858	40.00	ng	-0.04
47) Acenaphthene-d10	8.131	164	124028	40.00	ng	-0.05
74) Phenanthrene-d10	9.591	188	167937	40.00	ng	-0.04
88) Chrysene-d12	12.651	240	114964	40.00	ng	-0.04
100) Perylene-d12	14.266	264	94363	40.00	ng	-0.03
System Monitoring Compounds						
10) 2-Fluorophenol	4.505	112	53982	23.93	ng	-0.02
Spiked Amount 100.000			Recovery = 23.93%			
15) Phenol-d5	5.398	99	64446	26.00	ng	-0.02
Spiked Amount 100.000			Recovery = 26.00%			
30) Nitrobenzene-d5	6.157	128	14480	14.14	ng	-0.03
Spiked Amount 50.000			Recovery = 28.28%			
52) 2-Fluorobiphenyl	7.543	172	58215	14.12	ng	-0.05
Spiked Amount 50.000			Recovery = 28.24%			
77) 2,4,6-Tribromophenol	8.869	330	7668	30.14	ng	-0.05
Spiked Amount 100.000			Recovery = 30.14%			
91) Terphenyl-d14	11.399	244	29808	13.99	ng	-0.04
Spiked Amount 50.000			Recovery = 27.98%			
Target Compounds						Qvalue
39) Naphthalene	6.730	128	7355	1.0282	ng	97
59) Acenaphthylene	8.008	152	33746	5.2850	ng	100
83) Phenanthrene	9.613	178	55298	10.7167	ng	99
84) Anthracene	9.671	178	21130	4.0747	ng	97
85) Carbazole	9.843	167	12147	2.3623	ng	97
87) Fluoranthene	10.950	202	147192	25.8617	ng	89
89) Pyrene	11.212	202	124793	27.8777	ng	88
97) Benzo[a]anthracene	12.640	228	54117	15.2328	ng	86
98) Chrysene	12.683	228	61409	19.5608	ng	99
99) bis(2-Ethylhexyl)phtha...	12.677	149	11710	3.5626	ng	95
102) Benzo[b]fluoranthene	13.859	252	81296m	24.2078	ng	
103) Benzo[k]fluoranthene	13.881	252	24220m	7.6156	ng	
104) Benzo[a]pyrene	14.207	252	41413	13.7206	ng	93
105) Indeno[1,2,3-cd]pyrene	15.550	276	31243	14.3743	ng	93
106) Dibenzo[a,h]anthracene	15.566	278	9988	5.9865	ng	88
107) Benzo[g,h,i]perylene	15.919	276	25720	12.7413	ng	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M38805.D\data.ms
Quant QT Reviewed
SampleID : AC62229-001(3X)
Data File: 9M38805.D
Acq On : 10/25/11 15:58
Operator : AHD
Sam Mult : 1 Vial# : 11
Misc : S,BNA:3
Qt Meth : 9M 1018.M
Qt On : 10/25/11 16:19
Qt Upd On: 10/18/11 16:08
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthylene,M
Acenaphthene-d10,I
Time-->


Abundance
TIC: 9M38805.D\data.ms
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Carbazole
Fluoranthene,C
Pyrene,M
Terphenyl-d14,S
Benzo[g,h,i]perylene
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC62229-002(5X)
Client Id: B-2
Data File: 9M38831.D
Analysis Date: 10/26/11 17:34
Date Rec/Extracted: 10/21/11-10/24/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 5
Solids: 92

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
122-66-7	1,2-Diphenylhydrazine	0.18	U	207-08-9	Benzo[k]fluoranthene	0.18	U
95-95-4	2,4,5-Trichlorophenol	0.18	U	65-85-0	Benzoic Acid	0.91	U
88-06-2	2,4,6-Trichlorophenol	0.18	U	111-91-1	bis(2-Chloroethoxy)methan	0.18	U
120-83-2	2,4-Dichlorophenol	0.045	U	111-44-4	bis(2-Chloroethyl)ether	0.045	U
105-67-9	2,4-Dimethylphenol	0.18	U	108-60-1	bis(2-chloroisopropyl)ether	0.18	U
51-28-5	2,4-Dinitrophenol	0.91	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.18	U
121-14-2	2,4-Dinitrotoluene	0.18	U	85-68-7	Butylbenzylphthalate	0.18	U
606-20-2	2,6-Dinitrotoluene	0.18	U	86-74-8	Carbazole	0.18	U
91-58-7	2-Chloronaphthalene	0.18	U	218-01-9	Chrysene	0.18	U
95-57-8	2-Chlorophenol	0.18	U	53-70-3	Dibenzo[a,h]anthracene	0.18	U
91-57-6	**2-Methylnaphthalene**	**0.18**	**9.2**	132-64-9	Dibenzofuran	0.045	U
95-48-7	2-Methylphenol	0.045	U	84-66-2	Diethylphthalate	0.18	U
88-74-4	2-Nitroaniline	0.18	U	131-11-3	Dimethylphthalate	0.18	U
88-75-5	2-Nitrophenol	0.18	U	84-74-2	Di-n-butylphthalate	0.091	U
106-44-5	3&4-Methylphenol	0.045	U	117-84-0	Di-n-octylphthalate	0.18	U
91-94-1	3,3'-Dichlorobenzidine	0.18	U	206-44-0	Fluoranthene	0.18	U
99-09-2	3-Nitroaniline	0.18	U	86-73-7	Fluorene	0.18	U
534-52-1	4,6-Dinitro-2-methylphenol	0.91	U	118-74-1	Hexachlorobenzene	0.18	U
101-55-3	4-Bromophenyl-phenylether	0.18	U	87-68-3	Hexachlorobutadiene	0.18	U
59-50-7	4-Chloro-3-methylphenol	0.18	U	77-47-4	Hexachlorocyclopentadiene	0.18	U
106-47-8	4-Chloroaniline	0.086	U	67-72-1	Hexachloroethane	0.18	U
7005-72-3	4-Chlorophenyl-phenylether	0.18	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.18	U
100-01-6	4-Nitroaniline	0.18	U	78-59-1	Isophorone	0.18	U
100-02-7	4-Nitrophenol	0.18	U	91-20-3	Naphthalene	0.045	U
83-32-9	Acenaphthene	0.18	U	98-95-3	Nitrobenzene	0.18	U
208-96-8	Acenaphthylene	0.18	U	62-75-9	N-Nitrosodimethylamine	0.18	U
62-53-3	Aniline	0.074	U	621-64-7	N-Nitroso-di-n-propylamine	0.045	U
120-12-7	Anthracene	0.18	U	86-30-6	n-Nitrosodiphenylamine	0.18	U
92-87-5	Benzidine	0.18	U	87-86-5	Pentachlorophenol	0.91	U
56-55-3	Benzo[a]anthracene	0.18	U	**85-01-8**	**Phenanthrene**	**0.18**	**0.27**
50-32-8	Benzo[a]pyrene	0.18	U	108-95-2	Phenol	0.18	U
205-99-2	Benzo[b]fluoranthene	0.18	U	129-00-0	Pyrene	0.18	U
191-24-2	Benzo[g,h,i]perylene	0.18	U				

Worksheet #: 208034 ***Total Target Concentration*** 9.5 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

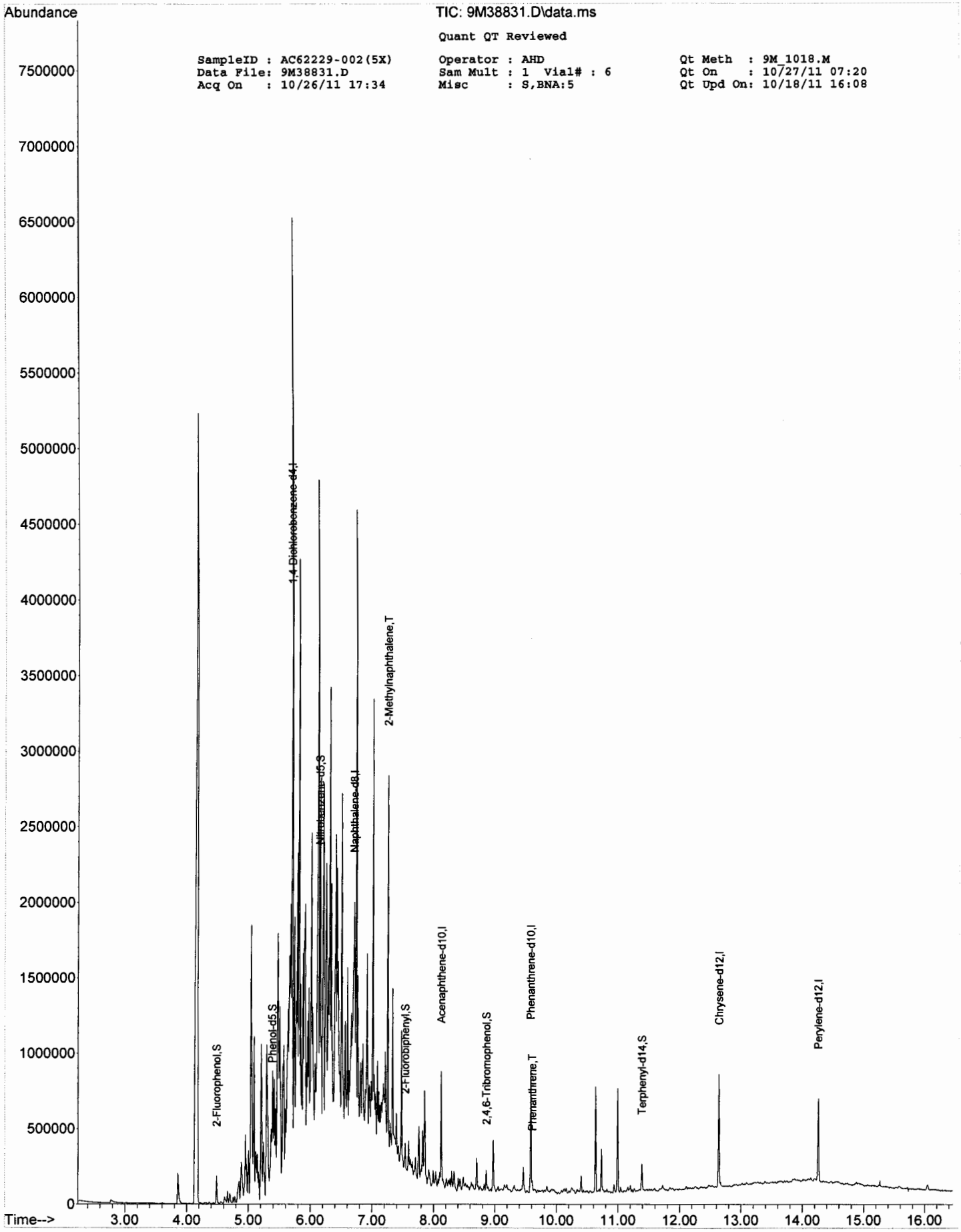
Quantitation Report (QT Reviewed)

SampleID : AC62229-002(5X) Operator : AHD Qt Meth : 9M_1018.M
Data File: 9M38831.D Sam Mult : 1 Vial# : 6 Qt On : 10/27/11 07:20
Acq On : 10/26/11 17:34 Misc : S,BNA:5 Qt Upd On: 10/18/11 16:08

Data Path : G:\GcMsData\2011\GCMS_9\Data\10-26-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.697	152	70099	40.00	ng	-0.04
29) Naphthalene-d8	6.708	136	272077	40.00	ng	-0.04
47) Acenaphthene-d10	8.126	164	148818	40.00	ng	-0.05
74) Phenanthrene-d10	9.580	188	262459	40.00	ng	-0.05
88) Chrysene-d12	12.640	240	229220	40.00	ng	-0.05
100) Perylene-d12	14.260	264	173779	40.00	ng	-0.04
System Monitoring Compounds						
10) 2-Fluorophenol	4.489	112	37512	15.62	ng	-0.03
Spiked Amount 100.000			Recovery = 15.62%			
15) Phenol-d5	5.387	99	49497	18.75	ng	-0.03
Spiked Amount 100.000			Recovery = 18.75%			
30) Nitrobenzene-d5	6.152	128	13515m	12.61	ng	-0.04
Spiked Amount 50.000			Recovery = 25.22%			
52) 2-Fluorobiphenyl	7.537	172	38014	7.69	ng	-0.05
Spiked Amount 50.000			Recovery = 15.38%			
77) 2,4,6-Tribromophenol	8.864	330	4998	12.57	ng	-0.05
Spiked Amount 100.000			Recovery = 12.57%			
91) Terphenyl-d14	11.388	244	36229	8.53	ng	-0.05
Spiked Amount 50.000			Recovery = 17.06%			
Target Compounds						Qvalue
44) 2-Methylnaphthalene	7.254	142	541469	101.1653	ng	99
83) Phenanthrene	9.607	178	23941	2.9688	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M38831.D\data.ms
Quant QT Reviewed
SampleID : AC62229-002(5X)
Data File: 9M38831.D
Acq On : 10/26/11 17:34
Operator : AHD
Sam Mult : 1 Vial# : 6
Misc : S,BNA:5
Qt Meth : 9M_1018.M
Qt On : 10/27/11 07:20
Qt Upd On: 10/18/11 16:08
7500000
7000000
6500000
6000000
5500000
5000000
4500000
4000000
3500000
3000000
2500000
2000000
1500000
1000000
500000
0
Time-->
3.00
4.00
5.00
6.00
7.00
8.00
9.00
10.00
11.00
12.00
13.00
14.00
15.00
16.00
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Methylnaphthalene,T
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,T
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC62229-003
Client Id: B-3
Data File: 10M25484.D
Analysis Date: 10/25/11 10:12
Date Rec/Extracted: 10/21/11-10/24/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 88

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
122-66-7	1,2-Diphenylhydrazine	0.038	U	207-08-9	Benzo[k]fluoranthene	0.038	U
95-95-4	2,4,5-Trichlorophenol	0.038	U	65-85-0	Benzoic Acid	0.19	U
88-06-2	2,4,6-Trichlorophenol	0.038	U	111-91-1	bis(2-Chloroethoxy)methan	0.038	U
120-83-2	2,4-Dichlorophenol	0.0095	U	111-44-4	bis(2-Chloroethyl)ether	0.0095	U
105-67-9	**2,4-Dimethylphenol**	**0.038**	**0.44**	108-60-1	bis(2-chloroisopropyl)ether	0.038	U
51-28-5	2,4-Dinitrophenol	0.19	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.038	U
121-14-2	2,4-Dinitrotoluene	0.038	U	85-68-7	Butylbenzylphthalate	0.038	U
606-20-2	2,6-Dinitrotoluene	0.038	U	86-74-8	Carbazole	0.038	U
91-58-7	2-Chloronaphthalene	0.038	U	218-01-9	Chrysene	0.038	U
95-57-8	2-Chlorophenol	0.038	U	53-70-3	Dibenzo[a,h]anthracene	0.038	U
91-57-6	**2-Methylnaphthalene**	**0.038**	**0.68**	132-64-9	Dibenzofuran	0.0095	U
95-48-7	2-Methylphenol	0.0095	U	84-66-2	Diethylphthalate	0.038	U
88-74-4	2-Nitroaniline	0.038	U	131-11-3	Dimethylphthalate	0.038	U
88-75-5	2-Nitrophenol	0.038	U	84-74-2	Di-n-butylphthalate	0.019	U
106-44-5	3&4-Methylphenol	0.0095	U	117-84-0	Di-n-octylphthalate	0.038	U
91-94-1	3,3'-Dichlorobenzidine	0.038	U	206-44-0	Fluoranthene	0.038	U
99-09-2	3-Nitroaniline	0.038	U	86-73-7	Fluorene	0.038	U
534-52-1	4,6-Dinitro-2-methylphenol	0.19	U	118-74-1	Hexachlorobenzene	0.038	U
101-55-3	4-Bromophenyl-phenylether	0.038	U	87-68-3	Hexachlorobutadiene	0.038	U
59-50-7	4-Chloro-3-methylphenol	0.038	U	77-47-4	Hexachlorocyclopentadiene	0.038	U
106-47-8	4-Chloroaniline	0.018	U	67-72-1	Hexachloroethane	0.038	U
7005-72-3	4-Chlorophenyl-phenylether	0.038	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.038	U
100-01-6	4-Nitroaniline	0.038	U	78-59-1	Isophorone	0.038	U
100-02-7	4-Nitrophenol	0.038	U	91-20-3	Naphthalene	0.0095	U
83-32-9	Acenaphthene	0.038	U	98-95-3	Nitrobenzene	0.038	U
208-96-8	Acenaphthylene	0.038	U	62-75-9	N-Nitrosodimethylamine	0.038	U
62-53-3	Aniline	0.015	U	621-64-7	N-Nitroso-di-n-propylamine	0.0095	U
120-12-7	Anthracene	0.038	U	86-30-6	n-Nitrosodiphenylamine	0.038	U
92-87-5	Benzidine	0.038	U	87-86-5	Pentachlorophenol	0.19	U
56-55-3	Benzo[a]anthracene	0.038	U	85-01-8	Phenanthrene	0.038	U
50-32-8	Benzo[a]pyrene	0.038	U	108-95-2	Phenol	0.038	U
205-99-2	Benzo[b]fluoranthene	0.038	U	129-00-0	Pyrene	0.038	U
191-24-2	Benzo[g,h,i]perylene	0.038	U				

Worksheet #: 208034 ***Total Target Concentration*** 1.1 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

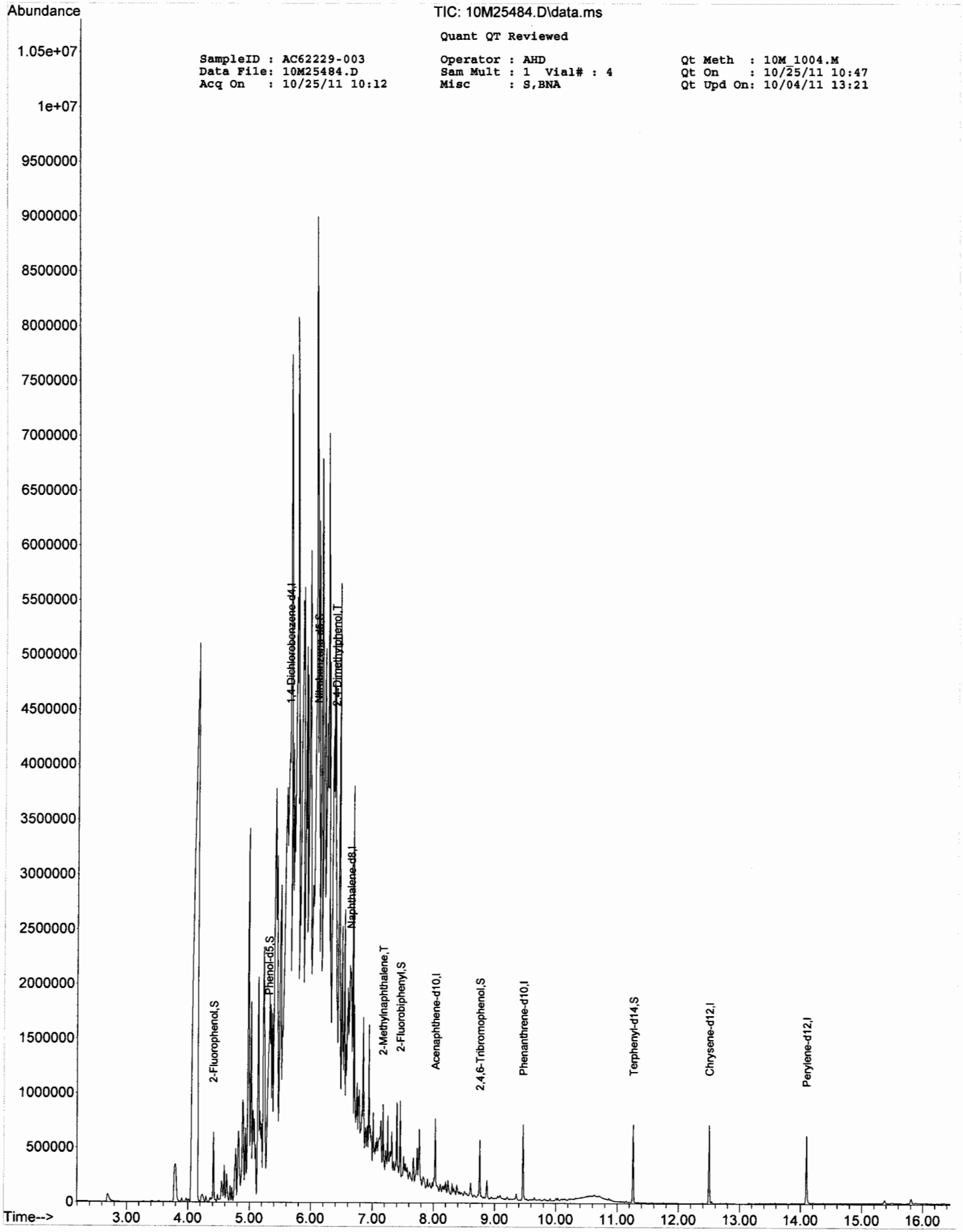
Quantitation Report (QT Reviewed)

SampleID : AC62229-003 Operator : AHD Qt Meth : 10M_1004.M
Data File: 10M25484.D Sam Mult : 1 Vial# : 4 Qt On : 10/25/11 10:47
Acq On : 10/25/11 10:12 Misc : S,BNA Qt Upd On: 10/04/11 13:21

Data Path : G:\GcMsData\2011\GCMS_10\Data\10-25-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.626	152	59113	40.00	ng	-0.08
30) Naphthalene-d8	6.637	136	209194	40.00	ng	-0.08
48) Acenaphthene-d10	8.028	164	126317	40.00	ng	-0.10
75) Phenanthrene-d10	9.466	188	244572	40.00	ng	-0.11
89) Chrysene-d12	12.499	240	255838	40.00	ng	-0.12
101) Perylene-d12	14.098	264	224055	40.00	ng	-0.13
System Monitoring Compounds						
11) 2-Fluorophenol	4.412	112	154708	73.52	ng	-0.08
Spiked Amount 100.000			Recovery = 73.52%			
16) Phenol-d5	5.311	99	159558	69.17	ng	-0.08
Spiked Amount 100.000			Recovery = 69.17%			
31) Nitrobenzene-d5	6.086	128	48202m	59.47	ng	-0.07
Spiked Amount 50.000			Recovery = 118.94%			
53) 2-Fluorobiphenyl	7.455	172	173915	44.46	ng	-0.09
Spiked Amount 50.000			Recovery = 88.92%			
78) 2,4,6-Tribromophenol	8.755	330	46635	105.94	ng	-0.10
Spiked Amount 100.000			Recovery = 105.94%			
92) Terphenyl-d14	11.264	244	213517	43.14	ng	-0.11
Spiked Amount 50.000			Recovery = 86.28%			
Target Compounds						Qvalue
35) 2,4-Dimethylphenol	6.375	107	42443	22.9954	ng	66
45) 2-Methylnaphthalene	7.172	142	139741	35.8214	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 10M25484.D\data.ms
Quant QT Reviewed
SampleID : AC62229-003
Data File: 10M25484.D
Acq On : 10/25/11 10:12
Operator : AHD
Sam Mult : 1 Vial# : 4
Misc : S,BNA
Qt Meth : 10M_1004.M
Qt On : 10/25/11 10:47
Qt Upd On: 10/04/11 13:21
1.05e+07
1e+07
9500000
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8500000
8000000
7500000
7000000
6500000
6000000
5500000
5000000
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3500000
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500000
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Time-->
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15.00
16.00
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
2,4-Dimethylphenol,T
Naphthalene-d8,I
2-Methylnaphthalene,T
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC62229-004
Client Id: B-4
Data File: 9M38812.D
Analysis Date: 10/25/11 18:36
Date Rec/Extracted: 10/21/11-10/24/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 92

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
122-66-7	1,2-Diphenylhydrazine	0.036	U	207-08-9	Benzo[k]fluoranthene	0.036	U
95-95-4	2,4,5-Trichlorophenol	0.036	U	65-85-0	Benzoic Acid	0.18	U
88-06-2	2,4,6-Trichlorophenol	0.036	U	111-91-1	bis(2-Chloroethoxy)methan	0.036	U
120-83-2	2,4-Dichlorophenol	0.0091	U	111-44-4	bis(2-Chloroethyl)ether	0.0091	U
105-67-9	2,4-Dimethylphenol	0.036	U	108-60-1	bis(2-chloroisopropyl)ether	0.036	U
51-28-5	2,4-Dinitrophenol	0.18	U	**117-81-7**	**bis(2-Ethylhexyl)phthalate**	**0.036**	**0.056**
121-14-2	2,4-Dinitrotoluene	0.036	U	85-68-7	Butylbenzylphthalate	0.036	U
606-20-2	2,6-Dinitrotoluene	0.036	U	86-74-8	Carbazole	0.036	U
91-58-7	2-Chloronaphthalene	0.036	U	**218-01-9**	**Chrysene**	**0.036**	**0.15**
95-57-8	2-Chlorophenol	0.036	U	**53-70-3**	**Dibenzo[a,h]anthracene**	**0.036**	**0.044**
91-57-6	2-Methylnaphthalene	0.036	U	132-64-9	Dibenzofuran	0.0091	U
95-48-7	2-Methylphenol	0.0091	U	84-66-2	Diethylphthalate	0.036	U
88-74-4	2-Nitroaniline	0.036	U	131-11-3	Dimethylphthalate	0.036	U
88-75-5	2-Nitrophenol	0.036	U	**84-74-2**	**Di-n-butylphthalate**	**0.018**	**0.019**
106-44-5	3&4-Methylphenol	0.0091	U	117-84-0	Di-n-octylphthalate	0.036	U
91-94-1	3,3'-Dichlorobenzidine	0.036	U	**206-44-0**	**Fluoranthene**	**0.036**	**0.23**
99-09-2	3-Nitroaniline	0.036	U	86-73-7	Fluorene	0.036	U
534-52-1	4,6-Dinitro-2-methylphenol	0.18	U	118-74-1	Hexachlorobenzene	0.036	U
101-55-3	4-Bromophenyl-phenylether	0.036	U	87-68-3	Hexachlorobutadiene	0.036	U
59-50-7	4-Chloro-3-methylphenol	0.036	U	77-47-4	Hexachlorocyclopentadiene	0.036	U
106-47-8	4-Chloroaniline	0.017	U	67-72-1	Hexachloroethane	0.036	U
7005-72-3	4-Chlorophenyl-phenylether	0.036	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.036**	**0.096**
100-01-6	4-Nitroaniline	0.036	U	78-59-1	Isophorone	0.036	U
100-02-7	4-Nitrophenol	0.036	U	**91-20-3**	**Naphthalene**	**0.0091**	**0.17**
83-32-9	Acenaphthene	0.036	U	98-95-3	Nitrobenzene	0.036	U
208-96-8	Acenaphthylene	0.036	U	62-75-9	N-Nitrosodimethylamine	0.036	U
62-53-3	Aniline	0.015	U	621-64-7	N-Nitroso-di-n-propylamine	0.0091	U
120-12-7	**Anthracene**	**0.036**	**0.041**	86-30-6	n-Nitrosodiphenylamine	0.036	U
92-87-5	Benzidine	0.036	U	87-86-5	Pentachlorophenol	0.18	U
56-55-3	**Benzo[a]anthracene**	**0.036**	**0.14**	**85-01-8**	**Phenanthrene**	**0.036**	**0.14**
50-32-8	**Benzo[a]pyrene**	**0.036**	**0.12**	108-95-2	Phenol	0.036	U
205-99-2	**Benzo[b]fluoranthene**	**0.036**	**0.17**	**129-00-0**	**Pyrene**	**0.036**	**0.25**
191-24-2	**Benzo[g,h,i]perylene**	**0.036**	**0.10**				

Worksheet #: 208034 ***Total Target Concentration*** 1.7 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

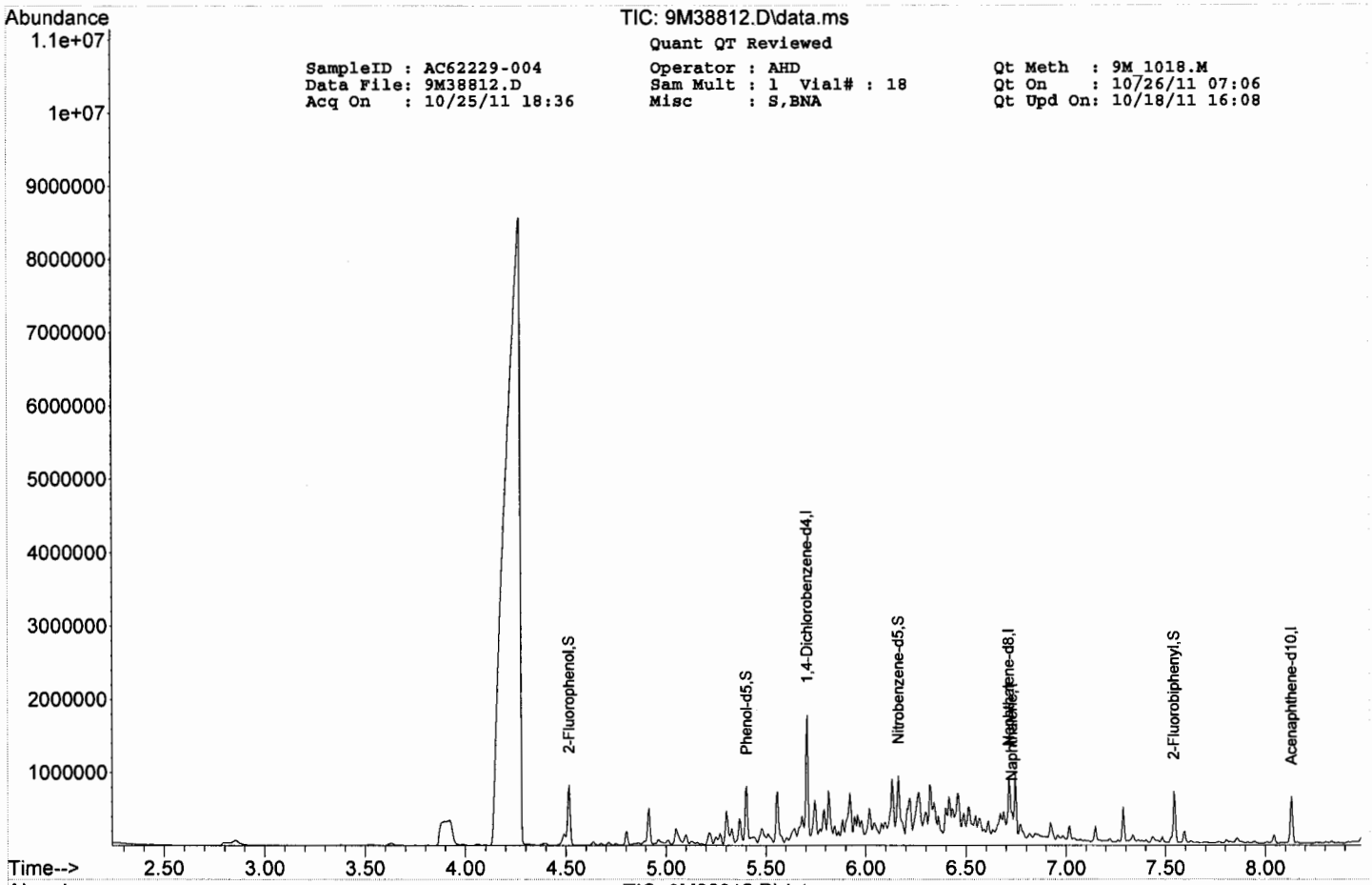
Quantitation Report (QT Reviewed)

SampleID : AC62229-004 Operator : AHD Qt Meth : 9M_1018.M
Data File: 9M38812.D Sam Mult : 1 Vial# : 18 Qt On : 10/26/11 07:06
Acq On : 10/25/11 18:36 Misc : S,BNA Qt Upd On: 10/18/11 16:08

Data Path : G:\GcMsData\2011\GCMS_9\Data\10-25-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.708	152	61370	40.00	ng	-0.03
29) Naphthalene-d8	6.714	136	214180	40.00	ng	-0.04
47) Acenaphthene-d10	8.131	164	108949	40.00	ng	-0.05
74) Phenanthrene-d10	9.591	188	165975	40.00	ng	-0.04
88) Chrysene-d12	12.651	240	121496	40.00	ng	-0.04
100) Perylene-d12	14.266	264	104598	40.00	ng	-0.03
System Monitoring Compounds						
10) 2-Fluorophenol	4.515	112	152068	72.33	ng	0.00
Spiked Amount 100.000			Recovery = 72.33%			
15) Phenol-d5	5.403	99	175144	75.79	ng	-0.02
Spiked Amount 100.000			Recovery = 75.79%			
30) Nitrobenzene-d5	6.163	128	36907	43.74	ng	-0.03
Spiked Amount 50.000			Recovery = 87.48%			
52) 2-Fluorobiphenyl	7.543	172	152967	42.25	ng	-0.05
Spiked Amount 50.000			Recovery = 84.50%			
77) 2,4,6-Tribromophenol	8.875	330	24673	98.14	ng	-0.04
Spiked Amount 100.000			Recovery = 98.14%			
91) Terphenyl-d14	11.399	244	100924	44.82	ng	-0.04
Spiked Amount 50.000			Recovery = 89.64%			
Target Compounds						Qvalue
39) Naphthalene	6.730	128	54748	9.2860	ng	98
83) Phenanthrene	9.618	178	39229	7.6924	ng	98
84) Anthracene	9.672	178	11525	2.2487	ng	95
86) Di-n-butylphthalate	10.217	149	7203	1.0531	ng	97
87) Fluoranthene	10.961	202	72691	12.9228	ng	90
89) Pyrene	11.217	202	64163	13.5629	ng	85
97) Benzo[a]anthracene	12.640	228	29740	7.9211	ng	95
98) Chrysene	12.677	228	27340	8.2405	ng	95
99) bis(2-Ethylhexyl)phtha...	12.677	149	10745	3.0933	ng	89
102) Benzo[b]fluoranthene	13.854	252	34471m	9.2602	ng	
104) Benzo[a]pyrene	14.202	252	21861	6.5341	ng	97
105) Indeno[1,2,3-cd]pyrene	15.544	276	12404	5.2796	ng	91
106) Dibenzo[a,h]anthracene	15.560	278	4396	2.4060	ng	86
107) Benzo[g,h,i]perylene	15.913	276	12621	5.6405	ng	86

(#) = qualifier out of range (m) = manual integration (+) = signals summed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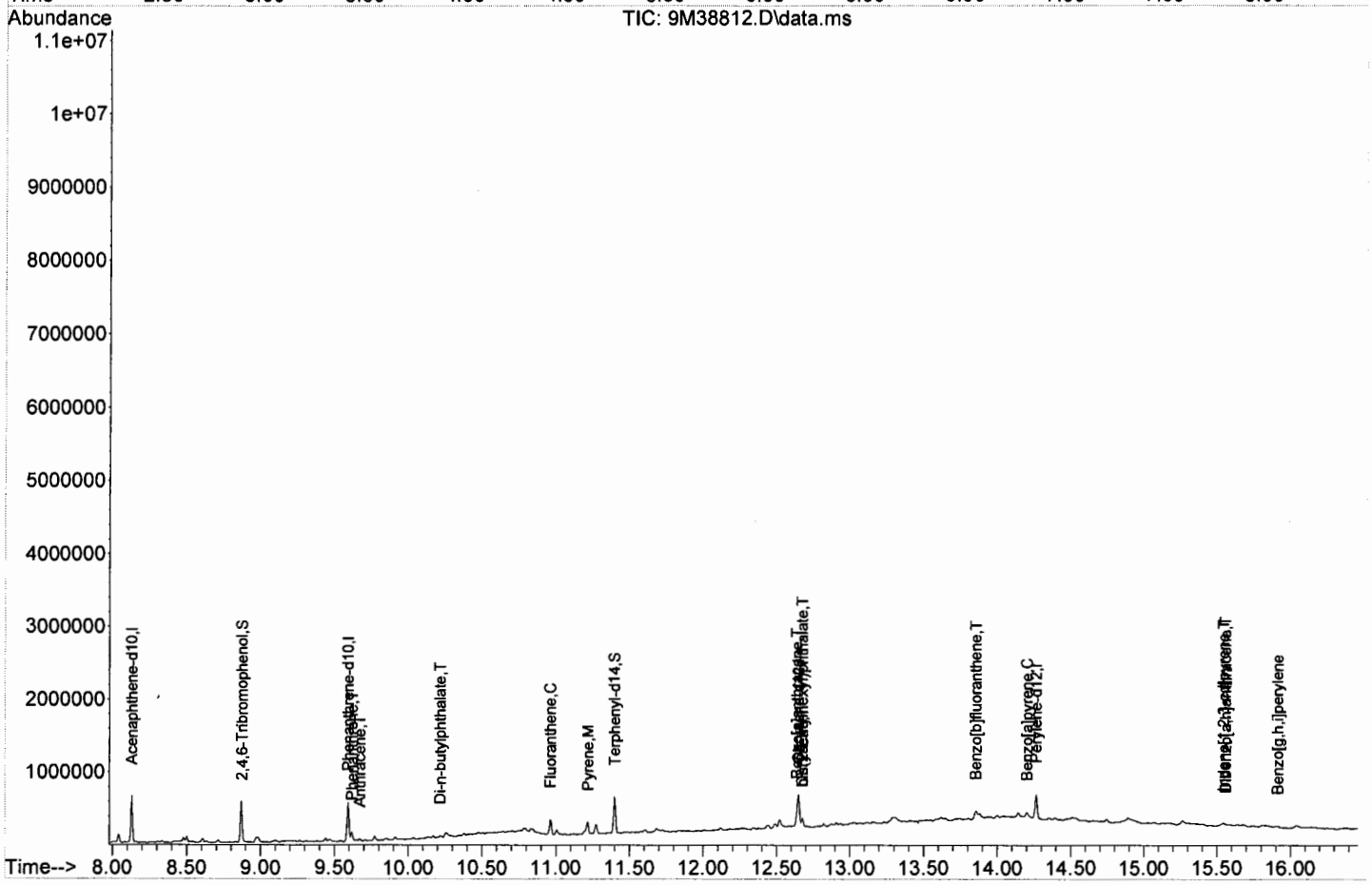
TIC: 9M38812.D\data.ms
Quant QT Reviewed
SampleID : AC62229-004
Data File: 9M38812.D
Acq On : 10/25/11 18:36
Operator : AHD
Sam Mult : 1 Vial# : 18
Misc : S,BNA
Qt Meth : 9M_1018.M
Qt On : 10/26/11 07:06
Qt Upd On: 10/18/11 16:08
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
2-Fluorobiphenyl,S
Acenaphthene-d10,I
Time-->


Abundance
TIC: 9M38812.D\data.ms
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Di-n-butylphthalate,T
Fluoranthene,C
Pyrene,M
Terphenyl-d14,S
Benzo[b]fluoranthene,T
Benzo[g,h,i]perylene
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC62229-005
Client Id: B-5A
Data File: 10M25485.D
Analysis Date: 10/25/11 10:34
Date Rec/Extracted: 10/21/11-10/24/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 91

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
122-66-7	1,2-Diphenylhydrazine	0.037	U	207-08-9	Benzo[k]fluoranthene	0.037	U
95-95-4	2,4,5-Trichlorophenol	0.037	U	65-85-0	Benzoic Acid	0.18	U
88-06-2	2,4,6-Trichlorophenol	0.037	U	111-91-1	bis(2-Chloroethoxy)methan	0.037	U
120-83-2	2,4-Dichlorophenol	0.0092	U	111-44-4	bis(2-Chloroethyl)ether	0.0092	U
105-67-9	2,4-Dimethylphenol	0.037	U	108-60-1	bis(2-chloroisopropyl)ether	0.037	U
51-28-5	2,4-Dinitrophenol	0.18	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.037	U
121-14-2	2,4-Dinitrotoluene	0.037	U	85-68-7	Butylbenzylphthalate	0.037	U
606-20-2	2,6-Dinitrotoluene	0.037	U	86-74-8	Carbazole	0.037	U
91-58-7	2-Chloronaphthalene	0.037	U	218-01-9	Chrysene	0.037	U
95-57-8	2-Chlorophenol	0.037	U	53-70-3	Dibenzo[a,h]anthracene	0.037	U
91-57-6	2-Methylnaphthalene	0.037	U	132-64-9	Dibenzofuran	0.0092	U
95-48-7	2-Methylphenol	0.0092	U	84-66-2	Diethylphthalate	0.037	U
88-74-4	2-Nitroaniline	0.037	U	131-11-3	Dimethylphthalate	0.037	U
88-75-5	2-Nitrophenol	0.037	U	84-74-2	Di-n-butylphthalate	0.018	U
106-44-5	3&4-Methylphenol	0.0092	U	117-84-0	Di-n-octylphthalate	0.037	U
91-94-1	3,3'-Dichlorobenzidine	0.037	U	206-44-0	Fluoranthene	0.037	U
99-09-2	3-Nitroaniline	0.037	U	86-73-7	Fluorene	0.037	U
534-52-1	4,6-Dinitro-2-methylphenol	0.18	U	118-74-1	Hexachlorobenzene	0.037	U
101-55-3	4-Bromophenyl-phenylether	0.037	U	87-68-3	Hexachlorobutadiene	0.037	U
59-50-7	4-Chloro-3-methylphenol	0.037	U	77-47-4	Hexachlorocyclopentadiene	0.037	U
106-47-8	4-Chloroaniline	0.017	U	67-72-1	Hexachloroethane	0.037	U
7005-72-3	4-Chlorophenyl-phenylether	0.037	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.037	U
100-01-6	4-Nitroaniline	0.037	U	78-59-1	Isophorone	0.037	U
100-02-7	4-Nitrophenol	0.037	U	91-20-3	Naphthalene	0.0092	U
83-32-9	Acenaphthene	0.037	U	98-95-3	Nitrobenzene	0.037	U
208-96-8	Acenaphthylene	0.037	U	62-75-9	N-Nitrosodimethylamine	0.037	U
62-53-3	Aniline	0.015	U	621-64-7	N-Nitroso-di-n-propylamine	0.0092	U
120-12-7	Anthracene	0.037	U	86-30-6	n-Nitrosodiphenylamine	0.037	U
92-87-5	Benzidine	0.037	U	87-86-5	Pentachlorophenol	0.18	U
56-55-3	Benzo[a]anthracene	0.037	U	85-01-8	Phenanthrene	0.037	U
50-32-8	Benzo[a]pyrene	0.037	U	108-95-2	Phenol	0.037	U
205-99-2	Benzo[b]fluoranthene	0.037	U	129-00-0	Pyrene	0.037	U
191-24-2	Benzo[g,h,i]perylene	0.037	U				

Worksheet #: 208034

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea
N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Quantitation Report (QT Reviewed)

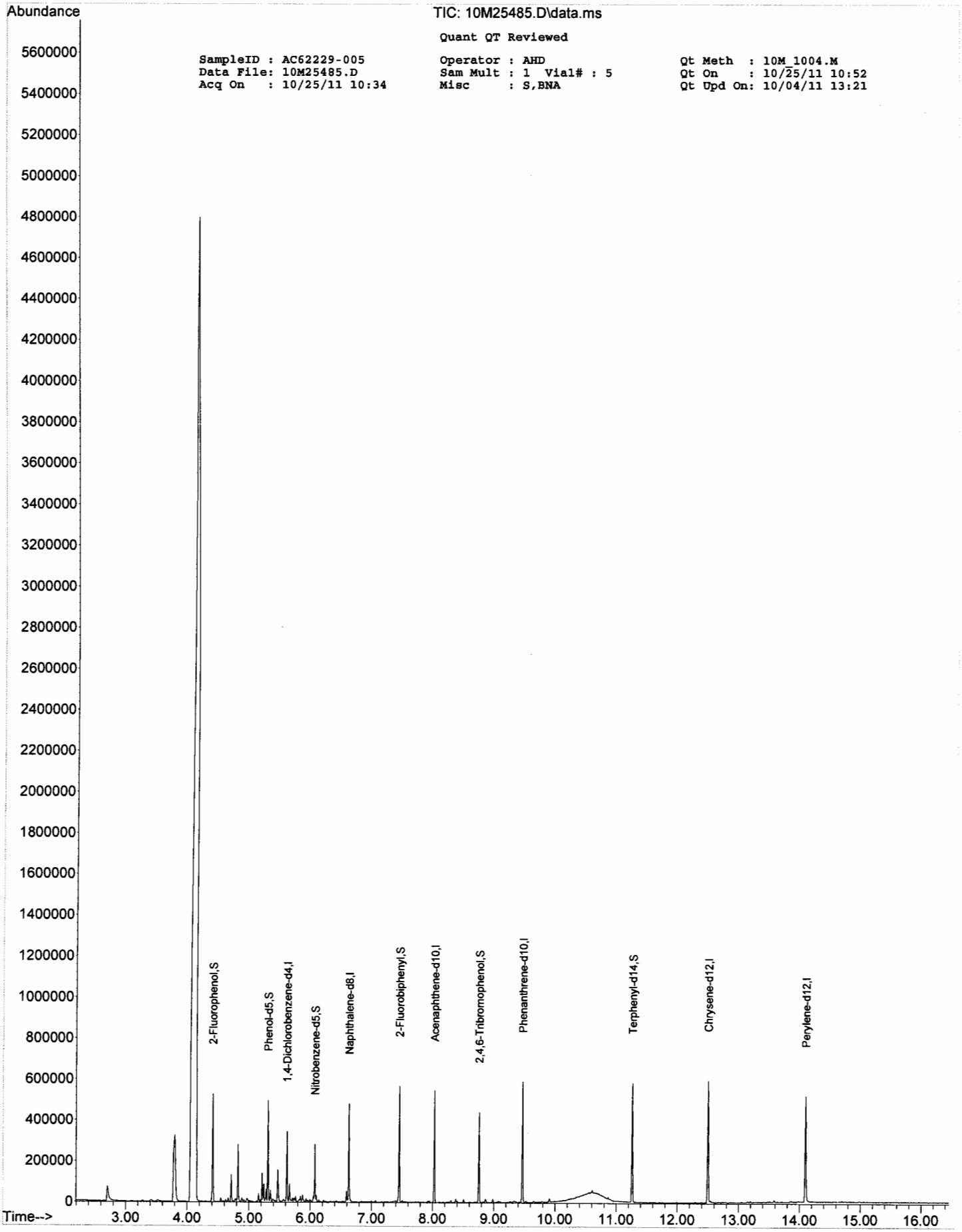
SampleID : AC62229-005 Operator : AHD Qt Meth : 10M_1004.M
Data File: 10M25485.D Sam Mult : 1 Vial# : 5 Qt On : 10/25/11 10:52
Acq On : 10/25/11 10:34 Misc : S,BNA Qt Upd On: 10/04/11 13:21

Data Path : G:\GcMsData\2011\GCMS_10\Data\10-25-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.621	152	41195	40.00	ng	-0.08
30) Naphthalene-d8	6.632	136	176474	40.00	ng	-0.08
48) Acenaphthene-d10	8.028	164	103458	40.00	ng	-0.10
75) Phenanthrene-d10	9.466	188	208732	40.00	ng	-0.11
89) Chrysene-d12	12.499	240	217000	40.00	ng	-0.12
101) Perylene-d12	14.098	264	194067	40.00	ng	-0.13
System Monitoring Compounds						
11) 2-Fluorophenol	4.412	112	121275	82.70	ng	-0.08
Spiked Amount 100.000			Recovery = 82.70%			
16) Phenol-d5	5.310	99	132981	82.72	ng	-0.08
Spiked Amount 100.000			Recovery = 82.72%			
31) Nitrobenzene-d5	6.075	128	28894	42.26	ng	-0.08
Spiked Amount 50.000			Recovery = 84.52%			
53) 2-Fluorobiphenyl	7.455	172	137092	42.79	ng	-0.09
Spiked Amount 50.000			Recovery = 85.58%			
78) 2,4,6-Tribromophenol	8.755	330	35648	94.89	ng	-0.10
Spiked Amount 100.000			Recovery = 94.89%			
92) Terphenyl-d14	11.263	244	175177	41.72	ng	-0.11
Spiked Amount 50.000			Recovery = 83.44%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 10M25485.D\data.ms
Quant QT Reviewed
SampleID : AC62229-005
Data File: 10M25485.D
Acq On : 10/25/11 10:34
Operator : AHD
Sam Mult : 1 Vial# : 5
Misc : S,BNA
Qt Meth : 10M_1004.M
Qt On : 10/25/11 10:52
Qt Upd On: 10/04/11 13:21
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC62229-006
Client Id: B-5B
Data File: 10M25486.D
Analysis Date: 10/25/11 10:56
Date Rec/Extracted: 10/21/11-10/24/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 87

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
122-66-7	1,2-Diphenylhydrazine	0.038	U	207-08-9	Benzo[k]fluoranthene	0.038	U
95-95-4	2,4,5-Trichlorophenol	0.038	U	65-85-0	Benzoic Acid	0.19	U
88-06-2	2,4,6-Trichlorophenol	0.038	U	111-91-1	bis(2-Chloroethoxy)methan	0.038	U
120-83-2	2,4-Dichlorophenol	0.0096	U	111-44-4	bis(2-Chloroethyl)ether	0.0096	U
105-67-9	2,4-Dimethylphenol	0.038	U	108-60-1	bis(2-chloroisopropyl)ether	0.038	U
51-28-5	2,4-Dinitrophenol	0.19	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.038	U
121-14-2	2,4-Dinitrotoluene	0.038	U	85-68-7	Butylbenzylphthalate	0.038	U
606-20-2	2,6-Dinitrotoluene	0.038	U	86-74-8	Carbazole	0.038	U
91-58-7	2-Chloronaphthalene	0.038	U	218-01-9	Chrysene	0.038	U
95-57-8	2-Chlorophenol	0.038	U	53-70-3	Dibenzo[a,h]anthracene	0.038	U
91-57-6	2-Methylnaphthalene	0.038	U	132-64-9	Dibenzofuran	0.0096	U
95-48-7	2-Methylphenol	0.0096	U	84-66-2	Diethylphthalate	0.038	U
88-74-4	2-Nitroaniline	0.038	U	131-11-3	Dimethylphthalate	0.038	U
88-75-5	2-Nitrophenol	0.038	U	84-74-2	Di-n-butylphthalate	0.019	U
106-44-5	3&4-Methylphenol	0.0096	U	117-84-0	Di-n-octylphthalate	0.038	U
91-94-1	3,3'-Dichlorobenzidine	0.038	U	206-44-0	Fluoranthene	0.038	U
99-09-2	3-Nitroaniline	0.038	U	86-73-7	Fluorene	0.038	U
534-52-1	4,6-Dinitro-2-methylphenol	0.19	U	118-74-1	Hexachlorobenzene	0.038	U
101-55-3	4-Bromophenyl-phenylether	0.038	U	87-68-3	Hexachlorobutadiene	0.038	U
59-50-7	4-Chloro-3-methylphenol	0.038	U	77-47-4	Hexachlorocyclopentadiene	0.038	U
106-47-8	4-Chloroaniline	0.018	U	67-72-1	Hexachloroethane	0.038	U
7005-72-3	4-Chlorophenyl-phenylether	0.038	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.038	U
100-01-6	4-Nitroaniline	0.038	U	78-59-1	Isophorone	0.038	U
100-02-7	4-Nitrophenol	0.038	U	91-20-3	Naphthalene	0.0096	U
83-32-9	Acenaphthene	0.038	U	98-95-3	Nitrobenzene	0.038	U
208-96-8	Acenaphthylene	0.038	U	62-75-9	N-Nitrosodimethylamine	0.038	U
62-53-3	Aniline	0.016	U	621-64-7	N-Nitroso-di-n-propylamine	0.0096	U
120-12-7	Anthracene	0.038	U	86-30-6	n-Nitrosodiphenylamine	0.038	U
92-87-5	Benzidine	0.038	U	87-86-5	Pentachlorophenol	0.19	U
56-55-3	Benzo[a]anthracene	0.038	U	85-01-8	Phenanthrene	0.038	U
50-32-8	Benzo[a]pyrene	0.038	U	108-95-2	Phenol	0.038	U
205-99-2	Benzo[b]fluoranthene	0.038	U	129-00-0	Pyrene	0.038	U
191-24-2	Benzo[g,h,i]perylene	0.038	U				

Worksheet #: 208034

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Quantitation Report (QT Reviewed)

SampleID : AC62229-006 Operator : AHD Qt Meth : 10M_1004.M
Data File: 10M25486.D Sam Mult : 1 Vial# : 6 Qt On : 10/25/11 11:39
Acq On : 10/25/11 10:56 Misc : S,BNA Qt Upd On: 10/04/11 13:21

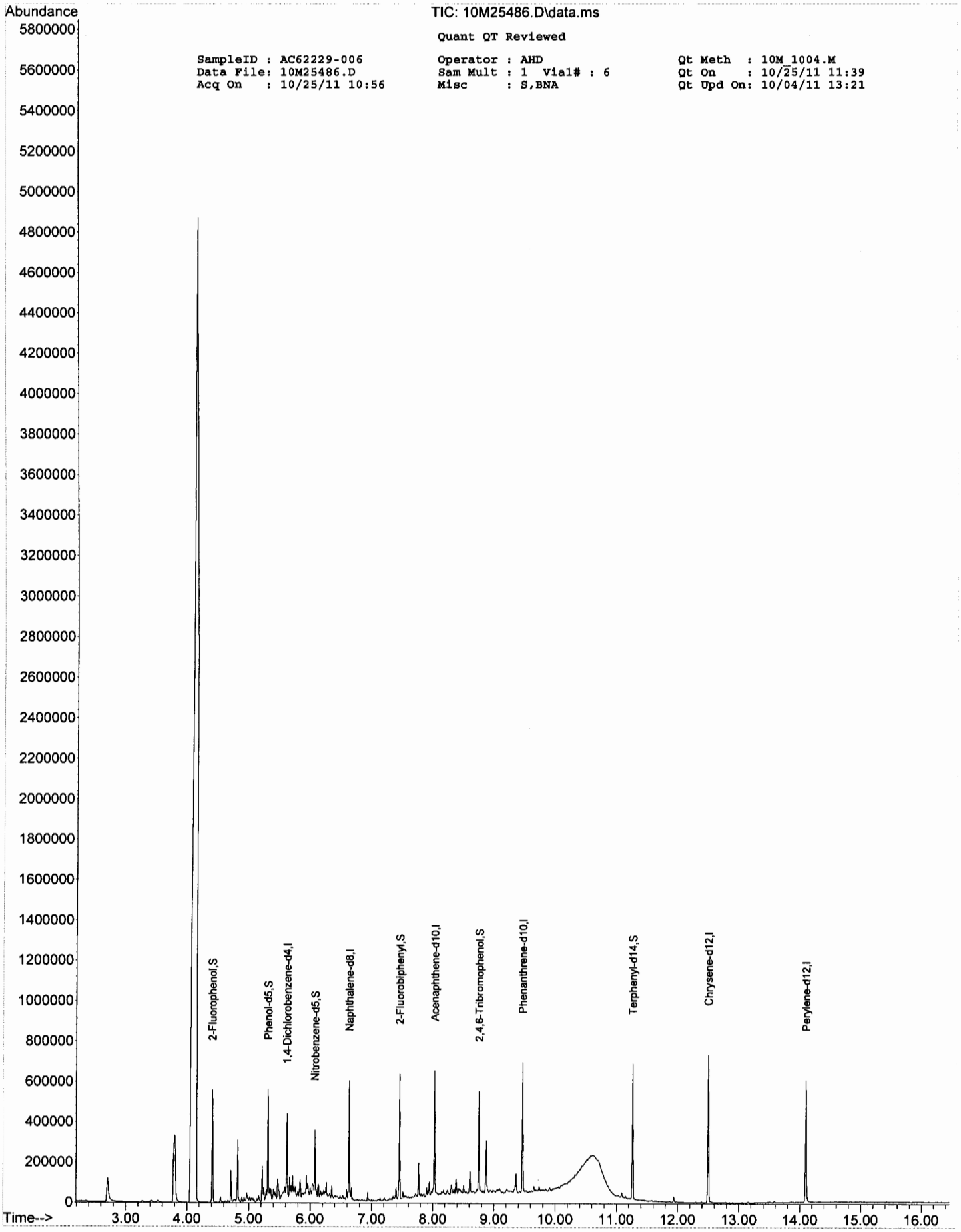
Data Path : G:\GcMsData\2011\GCMS_10\Data\10-25-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.621	152	48726	40.00 ng	-0.08
30) Naphthalene-d8	6.632	136	207573	40.00 ng	-0.08
48) Acenaphthene-d10	8.028	164	118494	40.00 ng	-0.10
75) Phenanthrene-d10	9.466	188	230747	40.00 ng	-0.11
89) Chrysene-d12	12.499	240	246312	40.00 ng	-0.12
101) Perylene-d12	14.098	264	220157	40.00 ng	-0.13
System Monitoring Compounds					
11) 2-Fluorophenol	4.412	112	136521	78.71 ng	-0.08
Spiked Amount 100.000			Recovery = 78.71%		
16) Phenol-d5	5.310	99	148986	78.35 ng	-0.08
Spiked Amount 100.000			Recovery = 78.35%		
31) Nitrobenzene-d5	6.075	128	33177	41.25 ng	-0.08
Spiked Amount 50.000			Recovery = 82.50%		
53) 2-Fluorobiphenyl	7.455	172	152553	41.57 ng	-0.09
Spiked Amount 50.000			Recovery = 83.14%		
78) 2,4,6-Tribromophenol	8.755	330	41064	98.88 ng	-0.10
Spiked Amount 100.000			Recovery = 98.88%		
92) Terphenyl-d14	11.263	244	197454	41.43 ng	-0.11
Spiked Amount 50.000			Recovery = 82.86%		

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

16


Abundance
TIC: 10M25486.D\data.ms
Quant QT Reviewed
SampleID : AC62229-006
Data File: 10M25486.D
Acq On : 10/25/11 10:56
Operator : AHD
Sam Mult : 1 Vial# : 6
Misc : S,BNA
Qt Meth : 10M_1004.M
Qt On : 10/25/11 11:39
Qt Upd On: 10/04/11 13:21
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC62229-007
Client Id: TW-1
Data File: 10M25507.D
Analysis Date: 10/27/11 13:12
Date Rec/Extracted: 10/21/11-10/26/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 500ml
Final Vol: 0.5ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
122-66-7	1,2-Diphenylhydrazine	2.0	U	207-08-9	Benzo[k]fluoranthene	2.0	U
95-95-4	2,4,5-Trichlorophenol	2.0	U	65-85-0	Benzoic Acid	10	U
88-06-2	2,4,6-Trichlorophenol	2.0	U	111-91-1	bis(2-Chloroethoxy)methan	2.0	U
120-83-2	2,4-Dichlorophenol	2.0	U	111-44-4	bis(2-Chloroethyl)ether	0.50	U
105-67-9	2,4-Dimethylphenol	2.0	U	108-60-1	bis(2-chloroisopropyl)ether	2.0	U
51-28-5	2,4-Dinitrophenol	10	U	117-81-7	bis(2-Ethylhexyl)phthalate	2.0	U
121-14-2	2,4-Dinitrotoluene	2.0	U	85-68-7	Butylbenzylphthalate	2.0	U
606-20-2	2,6-Dinitrotoluene	2.0	U	86-74-8	Carbazole	2.0	U
91-58-7	2-Chloronaphthalene	2.0	U	**218-01-9**	**Chrysene**	**2.0**	**2.8**
95-57-8	2-Chlorophenol	2.0	U	53-70-3	Dibenzo[a,h]anthracene	2.0	U
91-57-6	2-Methylnaphthalene	2.0	U	132-64-9	Dibenzofuran	0.50	U
95-48-7	2-Methylphenol	0.50	U	84-66-2	Diethylphthalate	2.0	U
88-74-4	2-Nitroaniline	2.0	U	131-11-3	Dimethylphthalate	2.0	U
88-75-5	2-Nitrophenol	2.0	U	84-74-2	Di-n-butylphthalate	0.50	U
106-44-5	3&4-Methylphenol	0.50	U	117-84-0	Di-n-octylphthalate	2.0	U
91-94-1	3,3'-Dichlorobenzidine	2.0	U	**206-44-0**	**Fluoranthene**	**2.0**	**4.7**
99-09-2	3-Nitroaniline	2.0	U	86-73-7	Fluorene	2.0	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U	118-74-1	Hexachlorobenzene	2.0	U
101-55-3	4-Bromophenyl-phenylether	2.0	U	87-68-3	Hexachlorobutadiene	2.0	U
59-50-7	4-Chloro-3-methylphenol	2.0	U	77-47-4	Hexachlorocyclopentadiene	2.0	U
106-47-8	4-Chloroaniline	0.50	U	67-72-1	Hexachloroethane	2.0	U
7005-72-3	4-Chlorophenyl-phenylether	2.0	U	193-39-5	Indeno[1,2,3-cd]pyrene	2.0	U
100-01-6	4-Nitroaniline	2.0	U	78-59-1	Isophorone	2.0	U
100-02-7	4-Nitrophenol	2.0	U	91-20-3	Naphthalene	0.50	U
83-32-9	Acenaphthene	2.0	U	98-95-3	Nitrobenzene	2.0	U
208-96-8	Acenaphthylene	2.0	U	62-75-9	N-Nitrosodimethylamine	2.0	U
62-53-3	Aniline	2.0	U	621-64-7	N-Nitroso-di-n-propylamine	0.50	U
120-12-7	Anthracene	2.0	U	86-30-6	n-Nitrosodiphenylamine	2.0	U
92-87-5	Benzidine	10	U	87-86-5	Pentachlorophenol	10	U
56-55-3	**Benzo[a]anthracene**	**2.0**	**2.5**	85-01-8	Phenanthrene	2.0	U
50-32-8	**Benzo[a]pyrene**	**2.0**	**2.6**	108-95-2	Phenol	2.0	U
205-99-2	**Benzo[b]fluoranthene**	**2.0**	**4.5**	**129-00-0**	**Pyrene**	**2.0**	**4.6**
191-24-2	Benzo[g,h,i]perylene	2.0	U				

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea
N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

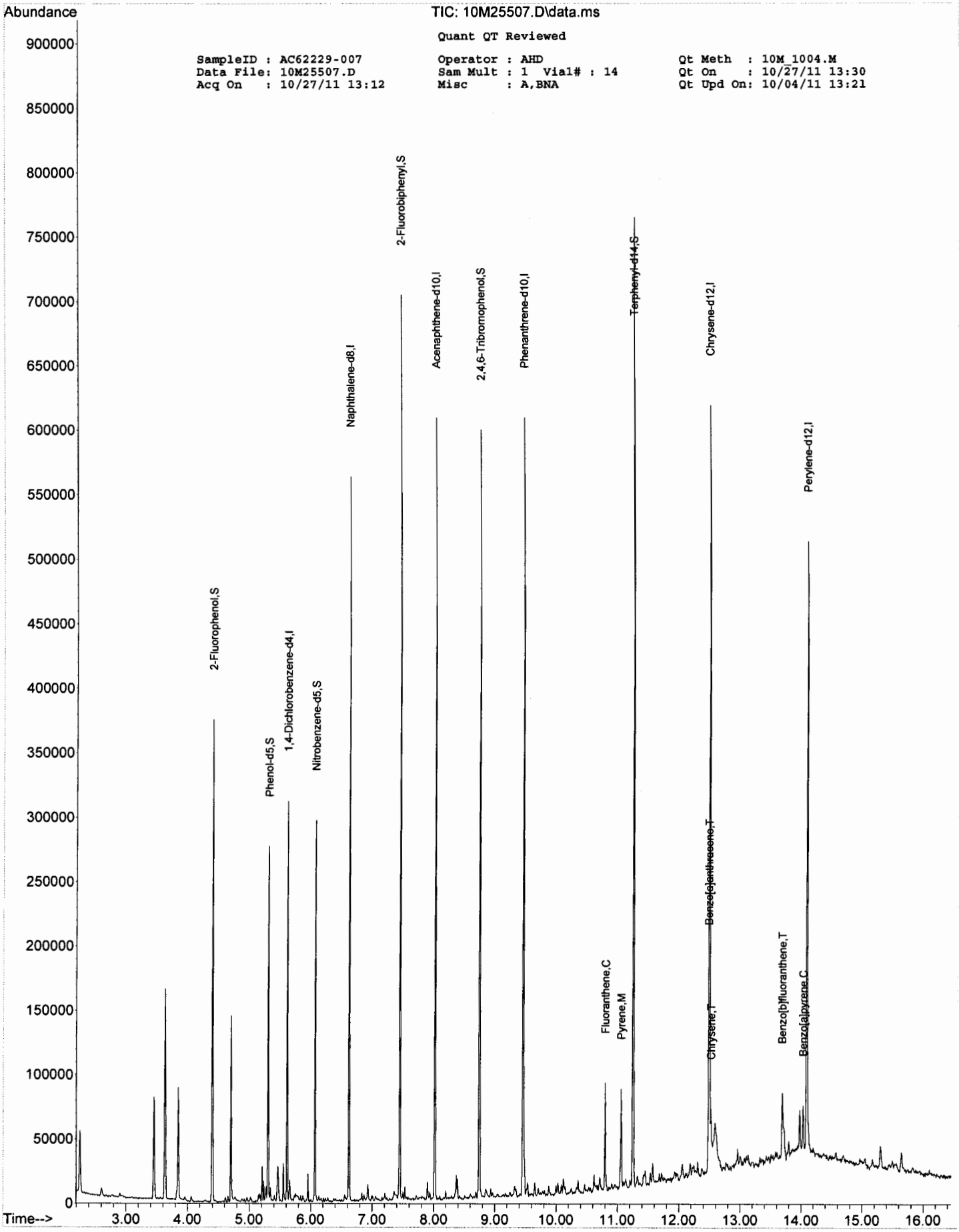
Quantitation Report (QT Reviewed)

SampleID : AC62229-007 Operator : AHD Qt Meth : 10M_1004.M
Data File: 10M25507.D Sam Mult : 1 Vial# : 14 Qt On : 10/27/11 13:30
Acq On : 10/27/11 13:12 Misc : A,BNA Qt Upd On: 10/04/11 13:21

Data Path : G:\GcMsData\2011\GCMS_10\Data\10-27-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.610	152	40896	40.00	ng	-0.09
30) Naphthalene-d8	6.621	136	188391	40.00	ng	-0.09
48) Acenaphthene-d10	8.017	164	111192	40.00	ng	-0.11
75) Phenanthrene-d10	9.456	188	214547	40.00	ng	-0.12
89) Chrysene-d12	12.488	240	213579	40.00	ng	-0.13
101) Perylene-d12	14.088	264	175989	40.00	ng	-0.14
System Monitoring Compounds						
11) 2-Fluorophenol	4.396	112	99269	68.19	ng	-0.10
Spiked Amount 100.000			Recovery = 68.19%			
16) Phenol-d5	5.305	99	87690	54.95	ng	-0.08
Spiked Amount 100.000			Recovery = 54.95%			
31) Nitrobenzene-d5	6.070	128	35118	48.11	ng	-0.09
Spiked Amount 50.000			Recovery = 96.22%			
53) 2-Fluorobiphenyl	7.445	172	165064	47.93	ng	-0.10
Spiked Amount 50.000			Recovery = 95.86%			
78) 2,4,6-Tribromophenol	8.744	330	47368	122.67	ng	-0.11
Spiked Amount 100.000			Recovery = 122.67%			
92) Terphenyl-d14	11.253	244	212301	51.38	ng	-0.12
Spiked Amount 50.000			Recovery = 102.76%			
Target Compounds						Qvalue
88) Fluoranthene	10.798	202	30900	4.6872	ng	97
90) Pyrene	11.060	202	30472	4.6285	ng	91
98) Benzo[a]anthracene	12.478	228	15039	2.4790	ng	88
99) Chrysene	12.520	228	15918	2.8215	ng	99
103) Benzo[b]fluoranthene	13.687	252	23317m	4.5192	ng	
105) Benzo[a]pyrene	14.029	252	13358	2.6281	ng	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 10M25507.D\data.ms
Quant QT Reviewed
SampleID : AC62229-007
Data File: 10M25507.D
Acq On : 10/27/11 13:12
Operator : AHD
Sam Mult : 1 Vial# : 14
Misc : A,BNA
Qt Meth : 10M_1004.M
Qt On : 10/27/11 13:30
Qt Upd On: 10/04/11 13:21
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Fluoranthene,C
Pyrene,M
Terphenyl-d14,S
Chrysene-d12,I
Chrysene,T
Benzo[b]fluoranthene,T
Perylene-d12,I
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC62229-008
Client Id: TW-2
Data File: 10M25508.D
Analysis Date: 10/27/11 13:34
Date Rec/Extracted: 10/21/11-10/26/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 500ml
Final Vol: 0.5ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
122-66-7	1,2-Diphenylhydrazine	2.0	U	207-08-9	Benzo[k]fluoranthene	2.0	U
95-95-4	2,4,5-Trichlorophenol	2.0	U	65-85-0	Benzoic Acid	10	U
88-06-2	2,4,6-Trichlorophenol	2.0	U	111-91-1	bis(2-Chloroethoxy)methan	2.0	U
120-83-2	2,4-Dichlorophenol	2.0	U	111-44-4	bis(2-Chloroethyl)ether	0.50	U
105-67-9	**2,4-Dimethylphenol**	**2.0**	**3.3**	108-60-1	bis(2-chloroisopropyl)ether	2.0	U
51-28-5	2,4-Dinitrophenol	10	U	**117-81-7**	**bis(2-Ethylhexyl)phthalate**	**2.0**	**3.0**
121-14-2	2,4-Dinitrotoluene	2.0	U	85-68-7	Butylbenzylphthalate	2.0	U
606-20-2	2,6-Dinitrotoluene	2.0	U	86-74-8	Carbazole	2.0	U
91-58-7	2-Chloronaphthalene	2.0	U	218-01-9	Chrysene	2.0	U
95-57-8	2-Chlorophenol	2.0	U	53-70-3	Dibenzo[a,h]anthracene	2.0	U
91-57-6	2-Methylnaphthalene	2.0	U	132-64-9	Dibenzofuran	0.50	U
95-48-7	2-Methylphenol	0.50	U	84-66-2	Diethylphthalate	2.0	U
88-74-4	2-Nitroaniline	2.0	U	131-11-3	Dimethylphthalate	2.0	U
88-75-5	2-Nitrophenol	2.0	U	84-74-2	Di-n-butylphthalate	0.50	U
106-44-5	3&4-Methylphenol	0.50	U	117-84-0	Di-n-octylphthalate	2.0	U
91-94-1	3,3'-Dichlorobenzidine	2.0	U	206-44-0	Fluoranthene	2.0	U
99-09-2	3-Nitroaniline	2.0	U	86-73-7	Fluorene	2.0	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U	118-74-1	Hexachlorobenzene	2.0	U
101-55-3	4-Bromophenyl-phenylether	2.0	U	87-68-3	Hexachlorobutadiene	2.0	U
59-50-7	4-Chloro-3-methylphenol	2.0	U	77-47-4	Hexachlorocyclopentadiene	2.0	U
106-47-8	4-Chloroaniline	0.50	U	67-72-1	Hexachloroethane	2.0	U
7005-72-3	4-Chlorophenyl-phenylether	2.0	U	193-39-5	Indeno[1,2,3-cd]pyrene	2.0	U
100-01-6	4-Nitroaniline	2.0	U	78-59-1	Isophorone	2.0	U
100-02-7	4-Nitrophenol	2.0	U	**91-20-3**	**Naphthalene**	**0.50**	**6.6**
83-32-9	Acenaphthene	2.0	U	98-95-3	Nitrobenzene	2.0	U
208-96-8	Acenaphthylene	2.0	U	62-75-9	N-Nitrosodimethylamine	2.0	U
62-53-3	Aniline	2.0	U	621-64-7	N-Nitroso-di-n-propylamine	0.50	U
120-12-7	Anthracene	2.0	U	86-30-6	n-Nitrosodiphenylamine	2.0	U
92-87-5	Benzidine	10	U	87-86-5	Pentachlorophenol	10	U
56-55-3	Benzo[a]anthracene	2.0	U	85-01-8	Phenanthrene	2.0	U
50-32-8	Benzo[a]pyrene	2.0	U	108-95-2	Phenol	2.0	U
205-99-2	Benzo[b]fluoranthene	2.0	U	129-00-0	Pyrene	2.0	U
191-24-2	Benzo[g,h,i]perylene	2.0	U				

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea
N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

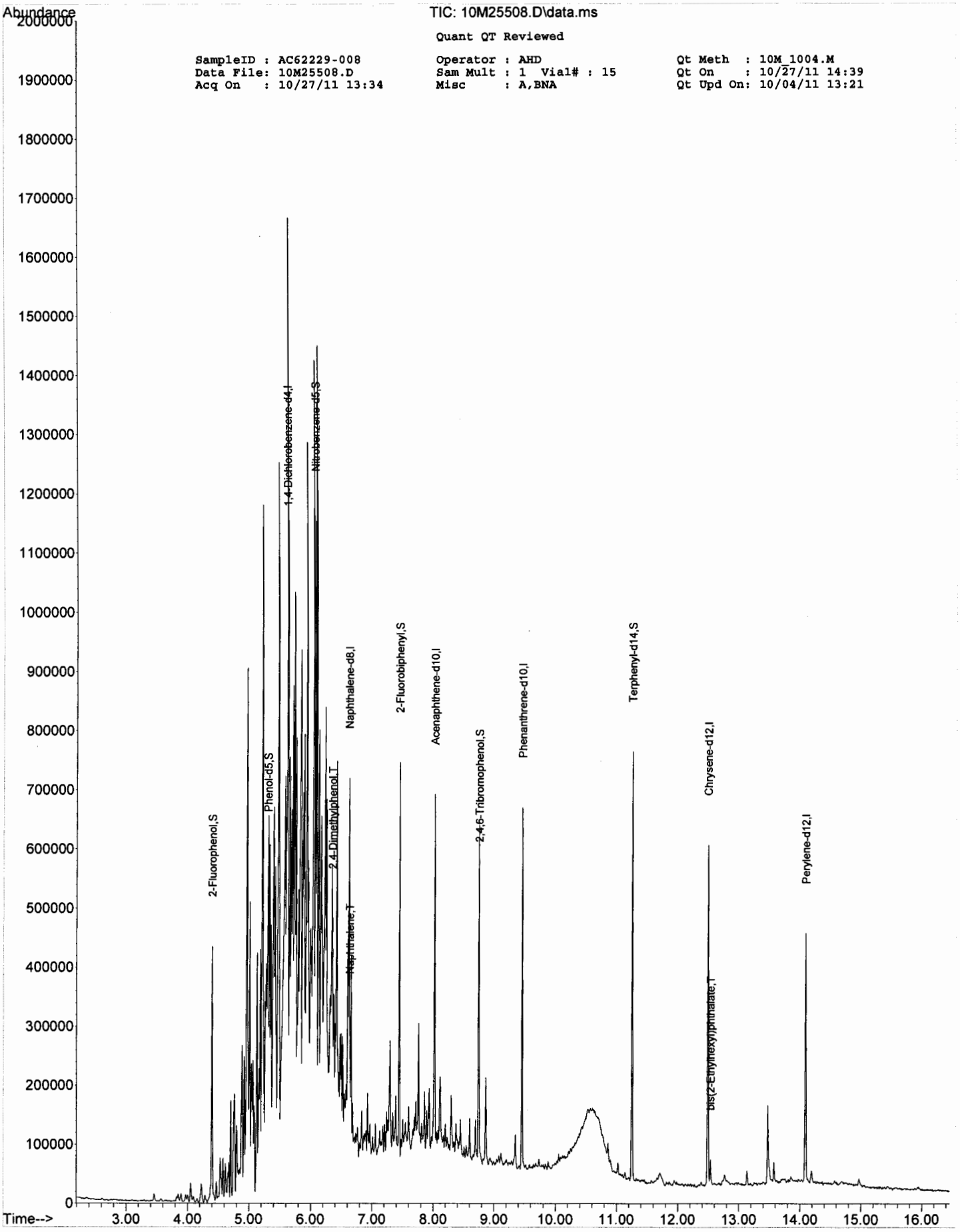
Quantitation Report (QT Reviewed)

SampleID : AC62229-008 Operator : AHD Qt Meth : 10M_1004.M
Data File: 10M25508.D Sam Mult : 1 Vial# : 15 Qt On : 10/27/11 14:39
Acq On : 10/27/11 13:34 Misc : A,BNA Qt Upd On: 10/04/11 13:21

Data Path : G:\GcMsData\2011\GCMS_10\Data\10-27-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.615	152	45732m	40.00	ng	-0.09
30) Naphthalene-d8	6.621	136	201080	40.00	ng	-0.09
48) Acenaphthene-d10	8.017	164	121659	40.00	ng	-0.11
75) Phenanthrene-d10	9.456	188	220842	40.00	ng	-0.12
89) Chrysene-d12	12.488	240	210927	40.00	ng	-0.13
101) Perylene-d12	14.088	264	152801	40.00	ng	-0.14
System Monitoring Compounds						
11) 2-Fluorophenol	4.401	112	121731	74.77	ng	-0.09
Spiked Amount 100.000			Recovery = 74.77%			
16) Phenol-d5	5.305	99	103800	58.16	ng	-0.08
Spiked Amount 100.000			Recovery = 58.16%			
31) Nitrobenzene-d5	6.070	128	44437	57.03	ng	-0.09
Spiked Amount 50.000			Recovery = 114.06%			
53) 2-Fluorobiphenyl	7.444	172	163003	43.26	ng	-0.10
Spiked Amount 50.000			Recovery = 86.52%			
78) 2,4,6-Tribromophenol	8.750	330	49304	124.04	ng	-0.11
Spiked Amount 100.000			Recovery = 124.04%			
92) Terphenyl-d14	11.253	244	210383	51.55	ng	-0.12
Spiked Amount 50.000			Recovery = 103.10%			
Target Compounds						Qvalue
35) 2,4-Dimethylphenol	6.353	107	5860	3.3030	ng	71
40) Naphthalene	6.637	128	36216	6.6140	ng	84
100) bis(2-Ethylhexyl)phtha...	12.536	149	13536	2.9770	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 10M25508.D\data.ms
Quant QT Reviewed
SampleID : AC62229-008
Data File: 10M25508.D
Acq On : 10/27/11 13:34
Operator : AHD
Sam Mult : 1 Vial# : 15
Misc : A,BNA
Qt Meth : 10M_1004.M
Qt On : 10/27/11 14:39
Qt Upd On: 10/04/11 13:21
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
2,4-Dimethylphenol,T
Naphthalene-d8,I
Naphthalene,T
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
bis(2-Ethylhexyl)phthalate,T
Perylene-d12,I
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: WMB9127
Client Id:
Data File: 10M25496.D
Analysis Date: 10/27/11 08:45
Date Rec/Extracted: NA-10/26/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
122-66-7	1,2-Diphenylhydrazine	2.0	U	207-08-9	Benzo[k]fluoranthene	2.0	U
95-95-4	2,4,5-Trichlorophenol	2.0	U	65-85-0	Benzoic Acid	10	U
88-06-2	2,4,6-Trichlorophenol	2.0	U	111-91-1	bis(2-Chloroethoxy)methan	2.0	U
120-83-2	2,4-Dichlorophenol	2.0	U	111-44-4	bis(2-Chloroethyl)ether	0.50	U
105-67-9	2,4-Dimethylphenol	2.0	U	108-60-1	bis(2-chloroisopropyl)ether	2.0	U
51-28-5	2,4-Dinitrophenol	10	U	117-81-7	bis(2-Ethylhexyl)phthalate	2.0	U
121-14-2	2,4-Dinitrotoluene	2.0	U	85-68-7	Butylbenzylphthalate	2.0	U
606-20-2	2,6-Dinitrotoluene	2.0	U	86-74-8	Carbazole	2.0	U
91-58-7	2-Chloronaphthalene	2.0	U	218-01-9	Chrysene	2.0	U
95-57-8	2-Chlorophenol	2.0	U	53-70-3	Dibenzo[a,h]anthracene	2.0	U
91-57-6	2-Methylnaphthalene	2.0	U	132-64-9	Dibenzofuran	0.50	U
95-48-7	2-Methylphenol	0.50	U	84-66-2	Diethylphthalate	2.0	U
88-74-4	2-Nitroaniline	2.0	U	131-11-3	Dimethylphthalate	2.0	U
88-75-5	2-Nitrophenol	2.0	U	84-74-2	Di-n-butylphthalate	0.50	U
106-44-5	3&4-Methylphenol	0.50	U	117-84-0	Di-n-octylphthalate	2.0	U
91-94-1	3,3'-Dichlorobenzidine	2.0	U	206-44-0	Fluoranthene	2.0	U
99-09-2	3-Nitroaniline	2.0	U	86-73-7	Fluorene	2.0	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U	118-74-1	Hexachlorobenzene	2.0	U
101-55-3	4-Bromophenyl-phenylether	2.0	U	87-68-3	Hexachlorobutadiene	2.0	U
59-50-7	4-Chloro-3-methylphenol	2.0	U	77-47-4	Hexachlorocyclopentadiene	2.0	U
106-47-8	4-Chloroaniline	0.50	U	67-72-1	Hexachloroethane	2.0	U
7005-72-3	4-Chlorophenyl-phenylether	2.0	U	193-39-5	Indeno[1,2,3-cd]pyrene	2.0	U
100-01-6	4-Nitroaniline	2.0	U	78-59-1	Isophorone	2.0	U
100-02-7	4-Nitrophenol	2.0	U	91-20-3	Naphthalene	0.50	U
83-32-9	Acenaphthene	2.0	U	98-95-3	Nitrobenzene	2.0	U
208-96-8	Acenaphthylene	2.0	U	62-75-9	N-Nitrosodimethylamine	2.0	U
62-53-3	Aniline	2.0	U	621-64-7	N-Nitroso-di-n-propylamine	0.50	U
120-12-7	Anthracene	2.0	U	86-30-6	n-Nitrosodiphenylamine	2.0	U
92-87-5	Benzidine	10	U	87-86-5	Pentachlorophenol	10	U
56-55-3	Benzo[a]anthracene	2.0	U	85-01-8	Phenanthrene	2.0	U
50-32-8	Benzo[a]pyrene	2.0	U	108-95-2	Phenol	2.0	U
205-99-2	Benzo[b]fluoranthene	2.0	U	129-00-0	Pyrene	2.0	U
191-24-2	Benzo[g,h,i]perylene	2.0	U				

Worksheet #: 208034

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea
N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Quantitation Report (QT Reviewed)

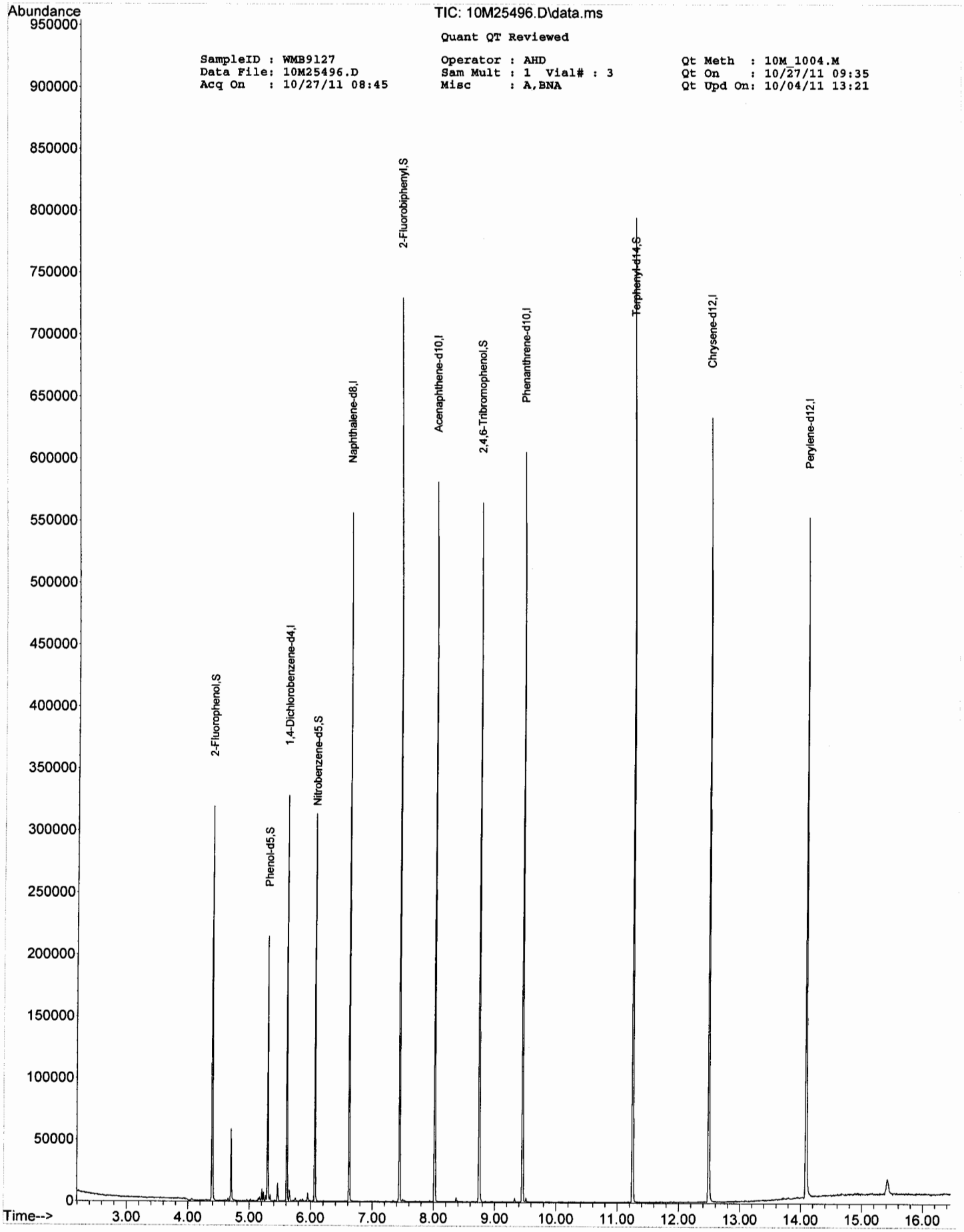
SampleID : WMB9127 Operator : AHD Qt Meth : 10M_1004.M
Data File: 10M25496.D Sam Mult : 1 Vial# : 3 Qt On : 10/27/11 09:35
Acq On : 10/27/11 08:45 Misc : A,BNA Qt Upd On: 10/04/11 13:21

Data Path : G:\GcMsData\2011\GCMS_10\Data\10-27-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.610	152	40556	40.00	ng	-0.09
30) Naphthalene-d8	6.621	136	186425	40.00	ng	-0.09
48) Acenaphthene-d10	8.017	164	109843	40.00	ng	-0.11
75) Phenanthrene-d10	9.456	188	208026	40.00	ng	-0.12
89) Chrysene-d12	12.488	240	221062	40.00	ng	-0.13
101) Perylene-d12	14.088	264	197447	40.00	ng	-0.14
System Monitoring Compounds						
11) 2-Fluorophenol	4.391	112	84166	58.30	ng	-0.10
Spiked Amount 100.000			Recovery = 58.30%			
16) Phenol-d5	5.300	99	60159	38.01	ng	-0.09
Spiked Amount 100.000			Recovery = 38.01%			
31) Nitrobenzene-d5	6.070	128	35929	49.74	ng	-0.09
Spiked Amount 50.000			Recovery = 99.48%			
53) 2-Fluorobiphenyl	7.445	172	173937	51.13	ng	-0.10
Spiked Amount 50.000			Recovery = 102.26%			
78) 2,4,6-Tribromophenol	8.744	330	44285	118.28	ng	-0.11
Spiked Amount 100.000			Recovery = 118.28%			
92) Terphenyl-d14	11.253	244	227270	53.14	ng	-0.12
Spiked Amount 50.000			Recovery = 106.28%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 10M25496.D\data.ms
Quant QT Reviewed
SampleID : WMB9127
Data File: 10M25496.D
Acq On : 10/27/11 08:45
Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : A,BNA
Qt Meth : 10M_1004.M
Qt On : 10/27/11 09:35
Qt Upd On: 10/04/11 13:21
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: SMB9108
Client Id:
Data File: 9M38797.D
Analysis Date: 10/25/11 12:57
Date Rec/Extracted: NA-10/24/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
122-66-7	1,2-Diphenylhydrazine	0.033	U	207-08-9	Benzo[k]fluoranthene	0.033	U
95-95-4	2,4,5-Trichlorophenol	0.033	U	65-85-0	Benzoic Acid	0.17	U
88-06-2	2,4,6-Trichlorophenol	0.033	U	111-91-1	bis(2-Chloroethoxy)methan	0.033	U
120-83-2	2,4-Dichlorophenol	0.0083	U	111-44-4	bis(2-Chloroethyl)ether	0.0083	U
105-67-9	2,4-Dimethylphenol	0.033	U	108-60-1	bis(2-chloroisopropyl)ether	0.033	U
51-28-5	2,4-Dinitrophenol	0.17	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.033	U
121-14-2	2,4-Dinitrotoluene	0.033	U	85-68-7	Butylbenzylphthalate	0.033	U
606-20-2	2,6-Dinitrotoluene	0.033	U	86-74-8	Carbazole	0.033	U
91-58-7	2-Chloronaphthalene	0.033	U	218-01-9	Chrysene	0.033	U
95-57-8	2-Chlorophenol	0.033	U	53-70-3	Dibenzo[a,h]anthracene	0.033	U
91-57-6	2-Methylnaphthalene	0.033	U	132-64-9	Dibenzofuran	0.0083	U
95-48-7	2-Methylphenol	0.0083	U	84-66-2	Diethylphthalate	0.033	U
88-74-4	2-Nitroaniline	0.033	U	131-11-3	Dimethylphthalate	0.033	U
88-75-5	2-Nitrophenol	0.033	U	84-74-2	Di-n-butylphthalate	0.017	U
106-44-5	3&4-Methylphenol	0.0083	U	117-84-0	Di-n-octylphthalate	0.033	U
91-94-1	3,3'-Dichlorobenzidine	0.033	U	206-44-0	Fluoranthene	0.033	U
99-09-2	3-Nitroaniline	0.033	U	86-73-7	Fluorene	0.033	U
534-52-1	4,6-Dinitro-2-methylphenol	0.17	U	118-74-1	Hexachlorobenzene	0.033	U
101-55-3	4-Bromophenyl-phenylether	0.033	U	87-68-3	Hexachlorobutadiene	0.033	U
59-50-7	4-Chloro-3-methylphenol	0.033	U	77-47-4	Hexachlorocyclopentadiene	0.033	U
106-47-8	4-Chloroaniline	0.016	U	67-72-1	Hexachloroethane	0.033	U
7005-72-3	4-Chlorophenyl-phenylether	0.033	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.033	U
100-01-6	4-Nitroaniline	0.033	U	78-59-1	Isophorone	0.033	U
100-02-7	4-Nitrophenol	0.033	U	91-20-3	Naphthalene	0.0083	U
83-32-9	Acenaphthene	0.033	U	98-95-3	Nitrobenzene	0.033	U
208-96-8	Acenaphthylene	0.033	U	62-75-9	N-Nitrosodimethylamine	0.033	U
62-53-3	Aniline	0.014	U	621-64-7	N-Nitroso-di-n-propylamine	0.0083	U
120-12-7	Anthracene	0.033	U	86-30-6	n-Nitrosodiphenylamine	0.033	U
92-87-5	Benzidine	0.033	U	87-86-5	Pentachlorophenol	0.17	U
56-55-3	Benzo[a]anthracene	0.033	U	85-01-8	Phenanthrene	0.033	U
50-32-8	Benzo[a]pyrene	0.033	U	108-95-2	Phenol	0.033	U
205-99-2	Benzo[b]fluoranthene	0.033	U	129-00-0	Pyrene	0.033	U
191-24-2	Benzo[g,h,i]perylene	0.033	U				

Worksheet #: 208034

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Quantitation Report (QT/LSC Reviewed)

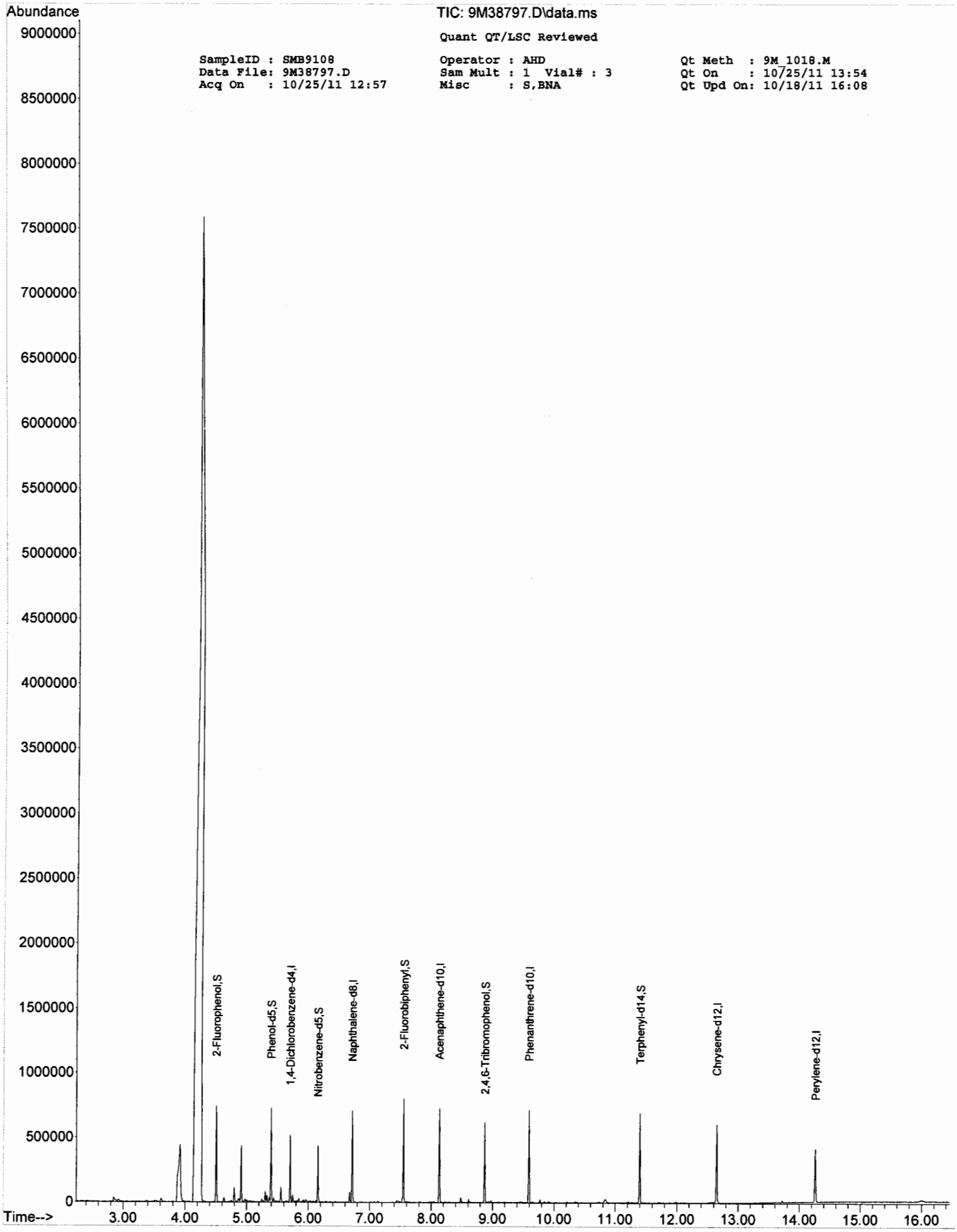
SampleID : SMB9108 Operator : AHD Qt Meth : 9M_1018.M
Data File: 9M38797.D Sam Mult : 1 Vial# : 3 Qt On : 10/25/11 13:54
Acq On : 10/25/11 12:57 Misc : S,BNA Qt Upd On: 10/18/11 16:08

Data Path : G:\GcMsData\2011\GCMS_9\Data\10-25-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.703	152	54074	40.00	ng	-0.03
29) Naphthalene-d8	6.714	136	238714	40.00	ng	-0.04
47) Acenaphthene-d10	8.131	164	132899	40.00	ng	-0.05
74) Phenanthrene-d10	9.591	188	229215	40.00	ng	-0.04
88) Chrysene-d12	12.645	240	193899	40.00	ng	-0.04
100) Perylene-d12	14.261	264	139747	40.00	ng	-0.04
System Monitoring Compounds						
10) 2-Fluorophenol	4.505	112	148858	80.35	ng	-0.02
Spiked Amount 100.000			Recovery = 80.35%			
15) Phenol-d5	5.393	99	177259	87.06	ng	-0.03
Spiked Amount 100.000			Recovery = 87.06%			
30) Nitrobenzene-d5	6.157	128	37394	39.76	ng	-0.03
Spiked Amount 50.000			Recovery = 79.52%			
52) 2-Fluorobiphenyl	7.548	172	179531	40.65	ng	-0.04
Spiked Amount 50.000			Recovery = 81.30%			
77) 2,4,6-Tribromophenol	8.875	330	31027	89.37	ng	-0.04
Spiked Amount 100.000			Recovery = 89.37%			
91) Terphenyl-d14	11.399	244	159155	44.29	ng	-0.04
Spiked Amount 50.000			Recovery = 88.58%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M38797.D\data.ms
Quant QT/LSC Reviewed
SampleID : SMB9108
Data File: 9M38797.D
Acq On : 10/25/11 12:57
Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : S,BNA
Qt Meth : 9M_1018.M
Qt On : 10/25/11 13:54
Qt Upd On: 10/18/11 16:08
9000000
8500000
8000000
7500000
7000000
6500000
6000000
5500000
5000000
4500000
4000000
3500000
3000000
2500000
2000000
1500000
1000000
500000
0
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->
3.00
4.00
5.00
6.00
7.00
8.00
9.00
10.00
11.00
12.00
13.00
14.00
15.00
16.00

FORM2

Surrogate Recovery

Method: EPA 8270C

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column1 S5 Recov	Column1 S6 Recov
10M25496.D	WMB9127	Aqueous	10/27/11 08:45	1		58	38	99	102	118	106
9M38797.D	SMB9108	Soil	10/25/11 12:57	1		80	87	80	81	89	89
9M38805.D	AC62229-001(	Soil	10/25/11 15:58	3		72	78	85	85	90	84
9M38831.D	AC62229-002(	Soil	10/26/11 17:34	5		78	94	126	77	63	85
10M25484.D	AC62229-003	Soil	10/25/11 10:12	1		74	69	119	89	106	86
9M38812.D	AC62229-004	Soil	10/25/11 18:36	1		72	76	87	84	98	90
10M25485.D	AC62229-005	Soil	10/25/11 10:34	1		83	83	85	86	95	83
10M25486.D	AC62229-006	Soil	10/25/11 10:56	1		79	78	82	83	99	83
10M25507.D	AC62229-007	Aqueous	10/27/11 13:12	1		68	55	96	96	123	103
10M25508.D	AC62229-008	Aqueous	10/27/11 13:34	1		75	58	114	87	124	103
10M25498.D	WMB9127(MS	Aqueous	10/27/11 09:42	1		53	35	95	73	110	101
10M25499.D	AC62201-008	Aqueous	10/27/11 10:15	1		70	52	92	96	105	94
10M25500.D	AC62201-008(	Aqueous	10/27/11 10:37	1		74	58	99	81	106	100
10M25501.D	AC62201-008(	Aqueous	10/27/11 10:59	1		73	57	100	87	111	101
9M38798.D	SMB9108(MS)	Soil	10/25/11 13:20	1		72	79	73	72	83	79
9M38807.D	AC62136-002(	Soil	10/25/11 16:43	3		68	71	91	72	80	84
9M38808.D	AC62136-002(	Soil	10/25/11 17:05	3		65	69	93	71	72	80
9M38809.D	AC62136-002(	Soil	10/25/11 17:28	3		74	79	102	79	87	93

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: EPA 8270C

Soil Limits

Compound	Spike Amt	Limits
S1=2-Fluorophenol	100	43-128
S2=Phenol-d5	100	49-129
S3=Nitrobenzene-d5	50	52-129
S4=2-Fluorobiphenyl	50	58-125
S5=2,4,6-Tribromophenol	100	54-145
S6=Terphenyl-d14	50	58-148

Aqueous Limits

Compound	Spike Amt	Limits
S1=2-Fluorophenol	100	29-113
S2=Phenol-d5	100	27-115
S3=Nitrobenzene-d5	50	51-139
S4=2-Fluorobiphenyl	50	53-129
S5=2,4,6-Tribromophenol	100	54-149
S6=Terphenyl-d14	50	55-146

Form3
Recovery Data
QC Batch: SMB9108

	Data File	Sample ID:	Analysis Date
Spike or Dup:	9M38798.D	SMB9108(MS)	10/25/2011 1:20:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8270 Matrix: Soil QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Phenol	1	72.715	0	100	73	20	130
2-Chlorophenol	1	76.4975	0	100	76	50	130
1,4-Dichlorobenzene	1	34.8776	0	50	70	50	130
2-Methylphenol	1	77.179	0	100	77	50	130
N-Nitroso-di-n-propylamine	1	39.6939	0	50	79	20	130
2,4-Dimethylphenol	1	83.2748	0	100	83	50	130
1,2,4-Trichlorobenzene	1	34.1527	0	50	68	50	130
Naphthalene	1	34.4192	0	50	69	50	130
4-Chloro-3-methylphenol	1	85.3402	0	100	85	50	130
Acenaphthene	1	35.638	0	50	71	50	130
2,4-Dinitrotoluene	1	38.8859	0	50	78	50	130
4-Nitrophenol	1	80.4126	0	100	80	20	130
Fluorene	1	35.0712	0	50	70	50	130
Pentachlorophenol	1	60.496	0	100	60	40	130
Pyrene	1	35.9091	0	50	72	50	130
Butylbenzylphthalate	1	39.7936	0	50	80	50	130

	Data File	Sample ID:	Analysis Date
Spike or Dup:	9M38808.D	AC62136-002(3X)(MS)	10/25/2011 5:05:00 PM
Non Spike(If applicable):	9M38807.D	AC62136-002(3X)	10/25/2011 4:43:00 PM
Inst Blank(If applicable):			

Method: 8270 Matrix: Soil QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Phenol	1	61.6281	0	100	62	20	130
2-Chlorophenol	1	65.5482	0	100	66	50	130
1,4-Dichlorobenzene	1	30.5967	0	50	61	50	130
2-Methylphenol	1	60.84	0	100	61	50	130
N-Nitroso-di-n-propylamine	1	54.0369	0	50	108	20	130
2,4-Dimethylphenol	1	86.8146	0	100	87	50	130
1,2,4-Trichlorobenzene	1	37.3233	0	50	75	50	130
Naphthalene	1	62.5329	7.1418	50	111	50	130
4-Chloro-3-methylphenol	1	74.9952	0	100	75	50	130
Acenaphthene	1	68.1279	27.4404	50	81	50	130
2,4-Dinitrotoluene	1	50.9433	0	50	102	50	130
4-Nitrophenol	1	83.901	0	100	84	20	130
Fluorene	1	66.4317	30.0696	50	73	50	130
Pentachlorophenol	1	46.8177	0	100	47	40	130
Pyrene	1	69.6654	28.5498	50	82	50	130
Butylbenzylphthalate	1	38.5575	0	50	77	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: SMB9108

	Data File	Sample ID:	Analysis Date
Spike or Dup:	9M38809.D	AC62136-002(3X)(MSD)	10/25/2011 5:28:00 PM
Non Spike(If applicable):	9M38807.D	AC62136-002(3X)	10/25/2011 4:43:00 PM
Inst Blank(If applicable):			

Method: 8270 Matrix: Soil QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Phenol	1	72.0456	0	100	72	20	130
2-Chlorophenol	1	75.396	0	100	75	50	130
1,4-Dichlorobenzene	1	36.1497	0	50	72	50	130
2-Methylphenol	1	73.7904	0	100	74	50	130
N-Nitroso-di-n-propylamine	1	61.6659	0	50	123	20	130
2,4-Dimethylphenol	1	98.6529	0	100	99	50	130
1,2,4-Trichlorobenzene	1	40.476	0	50	81	50	130
Naphthalene	1	72.5358	7.1418	50	131 *	50	130
4-Chloro-3-methylphenol	1	80.2695	0	100	80	50	130
Acenaphthene	1	80.3829	27.4404	50	106	50	130
2,4-Dinitrotoluene	1	60.2394	0	50	120	50	130
4-Nitrophenol	1	110.2815	0	100	110	20	130
Fluorene	1	77.6118	30.0696	50	95	50	130
Pentachlorophenol	1	55.0605	0	100	55	40	130
Pyrene	1	80.4924	28.5498	50	104	50	130
Butylbenzylphthalate	1	45.8655	0	50	92	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
RPD DATA

QC Batch: SMB9108

	Data File	Sample ID:	Analysis Date
Spike or Dup:	9M38809.D	AC62136-002(3X)(MSD)	10/25/2011 5:28:00 PM
Duplicate(If applicable):	9M38808.D	AC62136-002(3X)(MS)	10/25/2011 5:05:00 PM
Inst Blank(If applicable):			

Method: 8270 Matrix: Soil QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Phenol	1	72.0456	61.6281	16	40
2-Chlorophenol	1	75.396	65.5482	14	40
1,4-Dichlorobenzene	1	36.1497	30.5967	17	40
2-Methylphenol	1	73.7904	60.84	19	40
N-Nitroso-di-n-propylamine	1	61.6659	54.0369	13	40
2,4-Dimethylphenol	1	98.6529	86.8146	13	40
1,2,4-Trichlorobenzene	1	40.476	37.3233	8.1	40
Naphthalene	1	72.5358	62.5329	15	40
4-Chloro-3-methylphenol	1	80.2695	74.9952	6.8	40
Acenaphthene	1	80.3829	68.1279	17	40
2,4-Dinitrotoluene	1	60.2394	50.9433	17	40
4-Nitrophenol	1	110.2815	83.901	27	40
Fluorene	1	77.6118	66.4317	16	40
Pentachlorophenol	1	55.0605	46.8177	16	40
Pyrene	1	80.4924	69.6654	14	40
Butylbenzylphthalate	1	45.8655	38.5575	17	40

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Form3
Recovery Data
QC Batch: WMB9127

	Data File	Sample ID:	Analysis Date
Spike or Dup:	10M25498.D	WMB9127(MS)	10/27/2011 9:42:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8270 Matrix: Aqueous QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	11.0268	0	100	11	10	130
Phenol	1	35.1831	0	100	35	20	130
2-Chlorophenol	1	77.9046	0	100	78	50	130
1,4-Dichlorobenzene	1	67.4453	0	100	67	50	130
2-Methylphenol	1	68.2525	0	100	68	50	130
Hexachloroethane	1	68.5773	0	100	69	50	130
N-Nitroso-di-n-propylamine	1	83.0501	0	100	83	20	130
3&4-Methylphenol	1	64.3938	0	100	64	50	130
Nitrobenzene	1	93.4115	0	100	93	50	130
2,4-Dimethylphenol	1	83.8951	0	100	84	50	130
1,2,4-Trichlorobenzene	1	80.3197	0	100	80	50	130
Naphthalene	1	79.5026	0	100	80	50	130
Hexachlorobutadiene	1	82.2077	0	100	82	50	130
4-Chloro-3-methylphenol	1	88.3754	0	100	88	50	130
2,4,6-Trichlorophenol	1	106.3323	0	100	106	50	130
2,4,5-Trichlorophenol	1	82.3866	0	100	82	50	130
Acenaphthene	1	86.384	0	100	86	50	130
2,4-Dinitrotoluene	1	98.723	0	100	99	50	130
4-Nitrophenol	1	37.8148	0	100	38	20	130
Fluorene	1	84.6549	0	100	85	50	130
Hexachlorobenzene	1	96.8449	0	100	97	50	130
Pentachlorophenol	1	94.3169	0	100	94	40	130
Pyrene	1	91.3804	0	100	91	50	130
Butylbenzylphthalate	1	95.1753	0	100	95	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: WMB9127

	Data File	Sample ID:	Analysis Date
Spike or Dup:	10M25500.D	AC62201-008(MS)	10/27/2011 10:37:00 A
Non Spike(If applicable):	10M25499.D	AC62201-008	10/27/2011 10:15:00 A
Inst Blank(If applicable):			

Method: 8270 Matrix: Aqueous QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	15.0561	0	100	15	10	130
Phenol	1	57.586	0	100	58	20	130
2-Chlorophenol	1	88.4435	0	100	88	50	130
1,4-Dichlorobenzene	1	91.5391	0	100	92	50	130
2-Methylphenol	1	81.4609	0	100	81	50	130
Hexachloroethane	1	91.856	0	100	92	50	130
N-Nitroso-di-n-propylamine	1	87.5817	0	100	88	20	130
3&4-Methylphenol	1	82.4239	0	100	82	50	130
Nitrobenzene	1	99.2472	0	100	99	50	130
2,4-Dimethylphenol	1	91.5034	0	100	92	50	130
1,2,4-Trichlorobenzene	1	90.7109	0	100	91	50	130
Naphthalene	1	90.6157	0	100	91	50	130
Hexachlorobutadiene	1	96.147	0	100	96	50	130
4-Chloro-3-methylphenol	1	95.9575	0	100	96	50	130
2,4,6-Trichlorophenol	1	99.8492	0	100	100	50	130
2,4,5-Trichlorophenol	1	96.3175	0	100	96	50	130
Acenaphthene	1	90.6299	0	100	91	50	130
2,4-Dinitrotoluene	1	104.293	0	100	104	50	130
4-Nitrophenol	1	62.902	0	100	63	20	130
Fluorene	1	90.468	0	100	90	50	130
Hexachlorobenzene	1	95.5343	0	100	96	50	130
Pentachlorophenol	1	91.0663	0	100	91	40	130
Pyrene	1	90.9867	0	100	91	50	130
Butylbenzylphthalate	1	96.1477	0	100	96	50	130

	Data File	Sample ID:	Analysis Date
Spike or Dup:	10M25501.D	AC62201-008(MSD)	10/27/2011 10:59:00 A
Non Spike(If applicable):	10M25499.D	AC62201-008	10/27/2011 10:15:00 A
Inst Blank(If applicable):			

Method: 8270 Matrix: Aqueous QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	16.4255	0	100	16	10	130
Phenol	1	55.3609	0	100	55	20	130
2-Chlorophenol	1	83.5008	0	100	84	50	130
1,4-Dichlorobenzene	1	84.2036	0	100	84	50	130
2-Methylphenol	1	77.0882	0	100	77	50	130
Hexachloroethane	1	85.202	0	100	85	50	130
N-Nitroso-di-n-propylamine	1	82.2292	0	100	82	20	130
3&4-Methylphenol	1	77.6406	0	100	78	50	130
Nitrobenzene	1	96.1357	0	100	96	50	130
2,4-Dimethylphenol	1	87.5706	0	100	88	50	130
1,2,4-Trichlorobenzene	1	85.0741	0	100	85	50	130
Naphthalene	1	84.7835	0	100	85	50	130
Hexachlorobutadiene	1	89.9704	0	100	90	50	130
4-Chloro-3-methylphenol	1	92.0038	0	100	92	50	130
2,4,6-Trichlorophenol	1	97.5744	0	100	98	50	130
2,4,5-Trichlorophenol	1	96.1813	0	100	96	50	130
Acenaphthene	1	88.1441	0	100	88	50	130
2,4-Dinitrotoluene	1	100.6381	0	100	101	50	130
4-Nitrophenol	1	62.4248	0	100	62	20	130
Fluorene	1	85.8117	0	100	86	50	130
Hexachlorobenzene	1	91.5915	0	100	92	50	130
Pentachlorophenol	1	94.6227	0	100	95	40	130
Pyrene	1	89.752	0	100	90	50	130
Butylbenzylphthalate	1	94.6156	0	100	95	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
RPD DATA

QC Batch: WMB9127

	Data File	Sample ID:	Analysis Date
Spike or Dup:	10M25501.D	AC62201-008(MSD)	10/27/2011 10:59:00 A
Duplicate(If applicable):	10M25500.D	AC62201-008(MS)	10/27/2011 10:37:00 A
Inst Blank(If applicable):			

Method: 8270 Matrix: Aqueous QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Pyridine	1	16.4255	15.0561	8.7	40
Phenol	1	55.3609	57.586	3.9	40
2-Chlorophenol	1	83.5008	88.4435	5.7	40
1,4-Dichlorobenzene	1	84.2036	91.5391	8.3	40
2-Methylphenol	1	77.0882	81.4609	5.5	40
Hexachloroethane	1	85.202	91.856	7.5	40
N-Nitroso-di-n-propylamine	1	82.2292	87.5817	6.3	40
3&4-Methylphenol	1	77.6406	82.4239	6	40
Nitrobenzene	1	96.1357	99.2472	3.2	40
2,4-Dimethylphenol	1	87.5706	91.5034	4.4	40
1,2,4-Trichlorobenzene	1	85.0741	90.7109	6.4	40
Naphthalene	1	84.7835	90.6157	6.7	40
Hexachlorobutadiene	1	89.9704	96.147	6.6	40
4-Chloro-3-methylphenol	1	92.0038	95.9575	4.2	40
2,4,6-Trichlorophenol	1	97.5744	99.8492	2.3	40
2,4,5-Trichlorophenol	1	96.1813	96.3175	0.14	40
Acenaphthene	1	88.1441	90.6299	2.8	40
2,4-Dinitrotoluene	1	100.6381	104.293	3.6	40
4-Nitrophenol	1	62.4248	62.902	0.76	40
Fluorene	1	85.8117	90.468	5.3	40
Hexachlorobenzene	1	91.5915	95.5343	4.2	40
Pentachlorophenol	1	94.6227	91.0663	3.8	40
Pyrene	1	89.752	90.9867	1.4	40
Butylbenzylphthalate	1	94.6156	96.1477	1.6	40

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

FORM 4
Blank Summary

Blank Number: SMB9108
Blank Data File: 9M38797.D
Matrix: Soil

Blank Analysis Date: 10/25/11 12:57
Blank Extraction Date: 10/24/11
(If Applicable)
Method: EPA 8270C

Sample Number	Data File	Analysis Date
AC62229-001(3X)	9M38805.D	10/25/11 15:58
AC62229-002(5X)	9M38831.D	10/26/11 17:34
AC62229-003	10M25484.D	10/25/11 10:12
AC62229-004	9M38812.D	10/25/11 18:36
AC62229-005	10M25485.D	10/25/11 10:34
AC62229-006	10M25486.D	10/25/11 10:56
AC62136-002(3X)(	9M38809.D	10/25/11 17:28
AC62136-002(3X)(	9M38808.D	10/25/11 17:05
AC62136-002(3X)	9M38807.D	10/25/11 16:43
SMB9108(MS)	9M38798.D	10/25/11 13:20

FORM 4
Blank Summary

Blank Number: WMB9127
Blank Data File: 10M25496.D
Matrix: Aqueous

Blank Analysis Date: 10/27/11 08:45
Blank Extraction Date: 10/26/11
(If Applicable)
Method: EPA 8270C

Sample Number	Data File	Analysis Date
AC62229-007	10M25507.D	10/27/11 13:12
AC62229-008	10M25508.D	10/27/11 13:34
AC62201-008(MSD	10M25501.D	10/27/11 10:59
WMB9127(MS)	10M25498.D	10/27/11 09:42
AC62201-008	10M25499.D	10/27/11 10:15
AC62201-008(MS)	10M25500.D	10/27/11 10:37

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 10

Data File: 10M24980.D
Analysis Date: 10/04/11 08:16
Method: EPA 8270C

Tune Scan/Time Range: Scan 1396

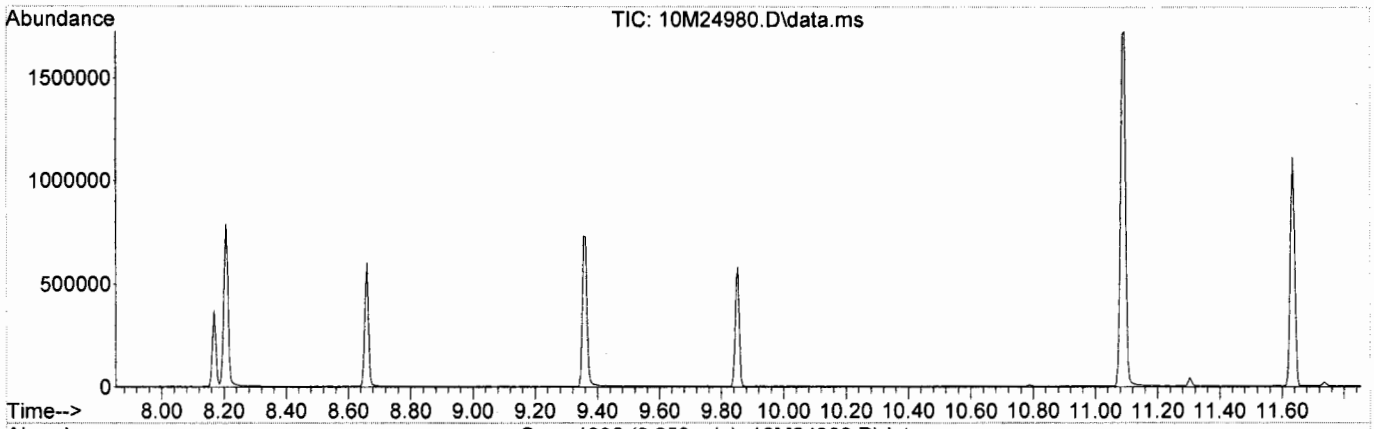
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	40.0	28752	PASS
68	69	0.00	2	1.5	457	PASS
69	198	0.00	100	41.5	29792	PASS
70	69	0.00	2	0.8	224	PASS
127	198	40	60	54.0	38800	PASS
197	198	0.00	1	0.6	444	PASS
198	198	100	100	100.0	71816	PASS
199	198	5	9	7.0	5014	PASS
275	198	10	30	19.0	13672	PASS
365	198	1	100	2.4	1728	PASS
441	443	0.01	100	72.5	5624	PASS
442	198	40	100	57.6	41392	PASS
443	442	17	23	18.7	7760	PASS

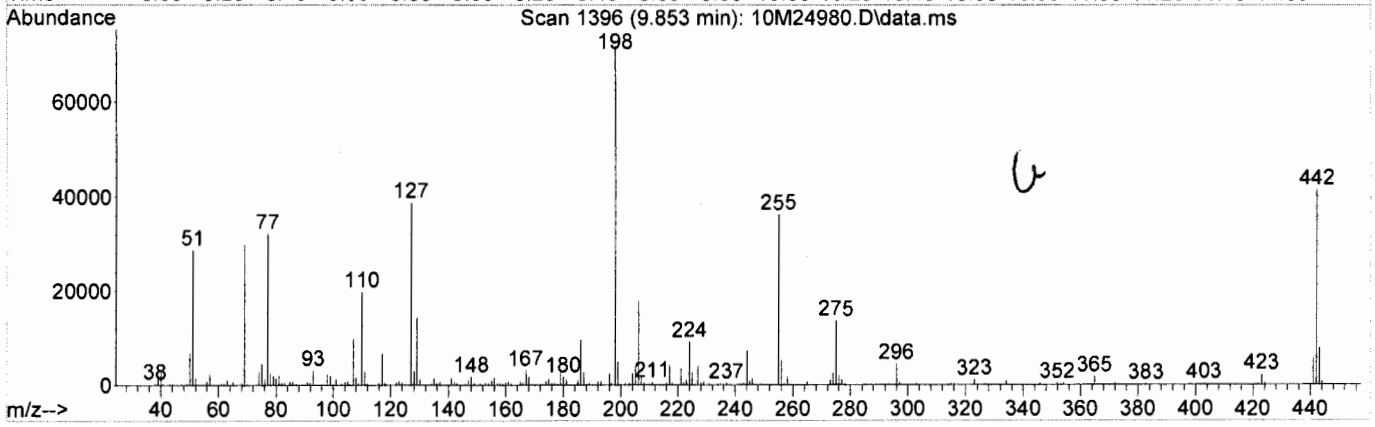
Data File	Sample Number	Analysis Date:
10M24981.D	CAL BNA@50PPM	10/04/11 09:18
10M24982.D	CAL BNA@2PPM	10/04/11 09:40
10M24983.D	CAL BNA@.5PPM	10/04/11 10:02
10M24984.D	CAL BNA@10PPM	10/04/11 10:24
10M24985.D	CAL BNA@20PPM	10/04/11 10:46
10M24986.D	CAL BNA@80PPM	10/04/11 11:08
10M24987.D	CAL BNA@120PP	10/04/11 11:30
10M24988.D	CAL BNA@160PP	10/04/11 11:53
10M24989.D	CAL BNA@196PP	10/04/11 12:15
10M24990.D	CAL BNA@50PPM	10/04/11 12:37
10M24991.D	ICV BNA@50PPM	10/04/11 13:01
10M24992.D	ICV BNA@50PPM	10/04/11 13:43
10M24993.D	CLP TEST	10/04/11 16:29

Data Path : G:\GcMsData\2011\GCMS_10\Data\10-04-11\
Data File : 10M24980.D
Acq On : 4 Oct 2011 8:16
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2011\GCMS_10\METHODQT\10M_0916.M
Title : @GCMS_10,mg,625,8270
Last Update : Fri Sep 16 14:13:18 2011





Spectrum Information: Scan 1396

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	40.0	28752	PASS
68	69	0.00	2	1.5	457	PASS
69	198	0.00	100	41.5	29792	PASS
70	69	0.00	2	0.8	224	PASS
127	198	40	60	54.0	38800	PASS
197	198	0.00	1	0.6	444	PASS
198	198	100	100	100.0	71816	PASS
199	198	5	9	7.0	5014	PASS
275	198	10	30	19.0	13672	PASS
365	198	1	100	2.4	1728	PASS
441	443	0.01	100	72.5	5624	PASS
442	198	40	100	57.6	41392	PASS
443	442	17	23	18.7	7760	PASS

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 9

Data File: 9M38602.D
Analysis Date: 10/18/11 08:20
Method: EPA 8270C

Tune Scan/Time Range: Average of 10.014 to 10.025 min

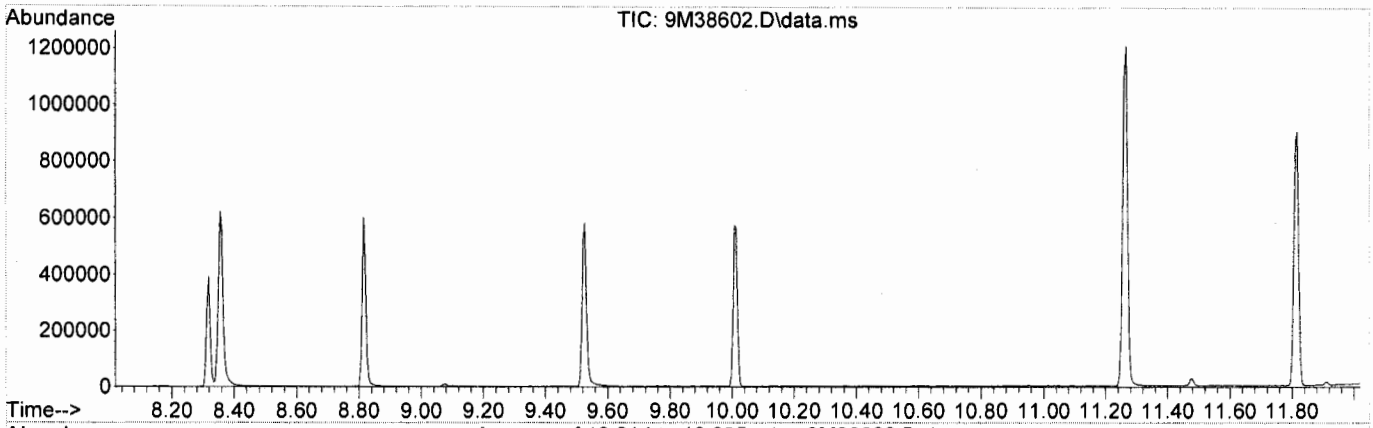
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	40.7	12684	PASS
68	69	0.00	2	2.0	272	PASS
69	198	0.00	100	44.4	13819	PASS
70	69	0.00	2	1.5	210	PASS
127	198	40	60	55.5	17290	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	31135	PASS
199	198	5	9	6.4	1996	PASS
275	198	10	30	19.0	5906	PASS
365	198	1	100	2.4	758	PASS
441	443	0.01	100	84.9	2483	PASS
442	198	40	100	48.2	14996	PASS
443	442	17	23	19.5	2925	PASS

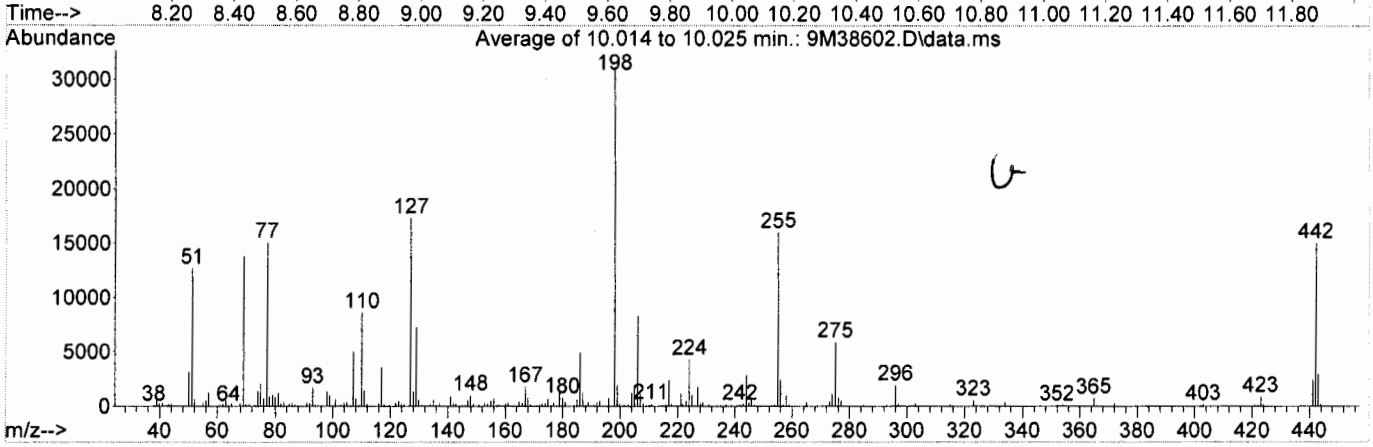
Data File	Sample Number	Analysis Date:
9M38603.D	CAL BNA@50PPM	10/18/11 08:55
9M38604.D	CAL BNA@50PPM	10/18/11 09:24
9M38605.D	CAL BNA@196PP	10/18/11 09:47
9M38606.D	CAL BNA@160PP	10/18/11 10:10
9M38607.D	CAL BNA@120PP	10/18/11 10:34
9M38608.D	CAL BNA@80PPM	10/18/11 10:57
9M38609.D	CAL BNA@20PPM	10/18/11 11:20
9M38610.D	CAL BNA@10PPM	10/18/11 11:44
9M38611.D	CAL BNA@10PPM	10/18/11 13:05
9M38612.D	CAL BNA@2PPM	10/18/11 13:28
9M38613.D	CAL BNA@.5PPM	10/18/11 13:51
9M38614.D	CAL BNA@50PPM	10/18/11 14:15
9M38615.D	ICV BNA@50PPM	10/18/11 14:44

Data Path : G:\GcMsData\2011\GCMS_9\Data\10-18-11\
Data File : 9M38602.D
Acq On : 18 Oct 2011 8:20
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2011\GCMS_9\METHODQT\9M_1010.M
Title : @GCMS_9,mg,625,8270
Last Update : Mon Oct 10 12:44:08 2011





Spectrum Information: Average of 10.014 to 10.025 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	40.7	12684	PASS
68	69	0.00	2	2.0	272	PASS
69	198	0.00	100	44.4	13819	PASS
70	69	0.00	2	1.5	210	PASS
127	198	40	60	55.5	17290	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	31135	PASS
199	198	5	9	6.4	1996	PASS
275	198	10	30	19.0	5906	PASS
365	198	1	100	2.4	758	PASS
441	443	0.01	100	84.9	2483	PASS
442	198	40	100	48.2	14996	PASS
443	442	17	23	19.5	2925	PASS

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 10

Data File: 10M25481.D
Analysis Date: 10/25/11 08:42
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.750 to 9.755 min

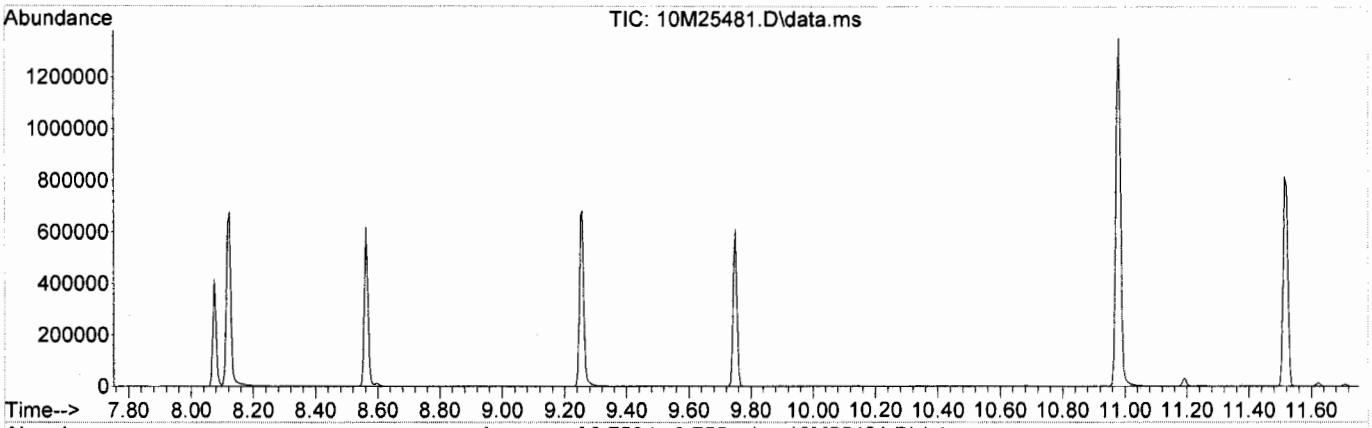
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	38.0	21455	PASS
68	69	0.00	2	1.7	400	PASS
69	198	0.00	100	41.7	23494	PASS
70	69	0.00	2	0.4	84	PASS
127	198	40	60	52.8	29772	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	56396	PASS
199	198	5	9	6.7	3792	PASS
275	198	10	30	20.8	11707	PASS
365	198	1	100	2.6	1482	PASS
441	443	0.01	100	80.0	5995	PASS
442	198	40	100	68.5	38648	PASS
443	442	17	23	19.4	7494	PASS

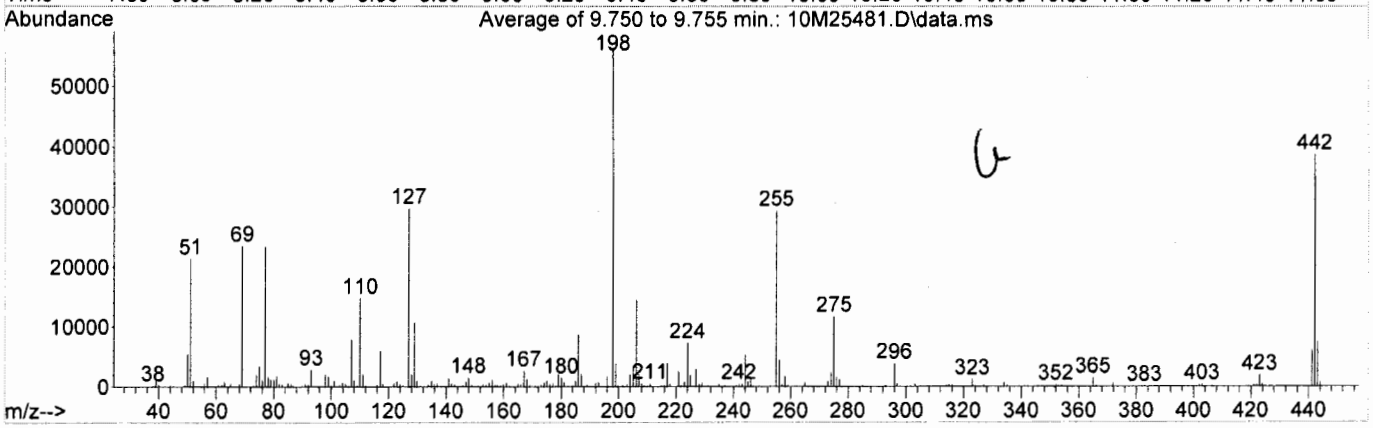
Data File	Sample Number	Analysis Date:
10M25482.D	CAL BNA@50PPM	10/25/11 09:28
10M25483.D	SMB9108	10/25/11 09:50
10M25484.D	AC62229-003	10/25/11 10:12
10M25485.D	AC62229-005	10/25/11 10:34
10M25486.D	AC62229-006	10/25/11 10:56
10M25487.D	SMB9108(MS)	10/25/11 11:26
10M25488.D	AC62221-004	10/25/11 11:48
10M25489.D	AC62221-003	10/25/11 12:10
10M25490.D	AC62262-001	10/25/11 15:48
10M25491.D	SMB9112(MS)	10/25/11 16:10
10M25492.D	SMB9112	10/25/11 16:32

Data Path : G:\GcMsData\2011\GCMS_10\Data\10-25-11\
Data File : 10M25481.D
Acq On : 25 Oct 2011 8:42
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2011\GCMS_10\METHODQT\10M_1004.M
Title : @GCMS_10,mg,625,8270
Last Update : Tue Oct 04 13:21:19 2011





Spectrum Information: Average of 9.750 to 9.755 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	38.0	21455	PASS
68	69	0.00	2	1.7	400	PASS
69	198	0.00	100	41.7	23494	PASS
70	69	0.00	2	0.4	84	PASS
127	198	40	60	52.8	29772	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	56396	PASS
199	198	5	9	6.7	3792	PASS
275	198	10	30	20.8	11707	PASS
365	198	1	100	2.6	1482	PASS
441	443	0.01	100	80.0	5995	PASS
442	198	40	100	68.5	38648	PASS
443	442	17	23	19.4	7494	PASS

Form 5

Tune Name: CAL DFTPP **Data File:** 9M38794.D
Instrument: GCMS 9 **Analysis Date:** 10/25/11 10:37
Method: EPA 8270C
Tune Scan/Time Range: Average of 9.880 to 9.885 min

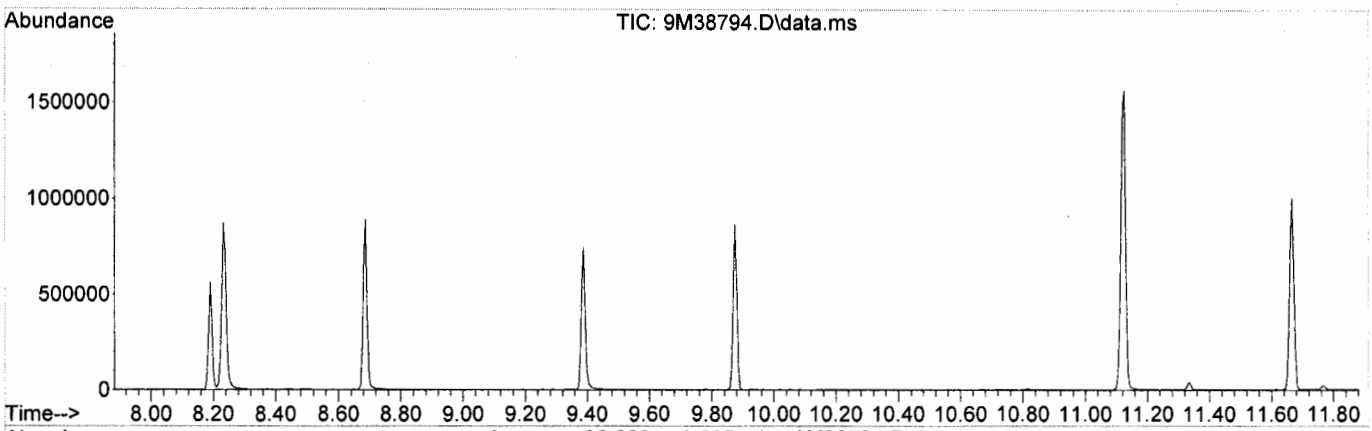
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	42.7	16549	PASS
68	69	0.00	2	0.9	161	PASS
69	198	0.00	100	44.0	17083	PASS
70	69	0.00	2	0.5	78	PASS
127	198	40	60	56.0	21714	PASS
197	198	0.00	1	0.2	84	PASS
198	198	100	100	100.0	38799	PASS
199	198	5	9	6.6	2543	PASS
275	198	10	30	20.9	8101	PASS
365	198	1	100	2.9	1134	PASS
441	443	0.01	100	86.2	3554	PASS
442	198	40	100	54.9	21311	PASS
443	442	17	23	19.4	4124	PASS

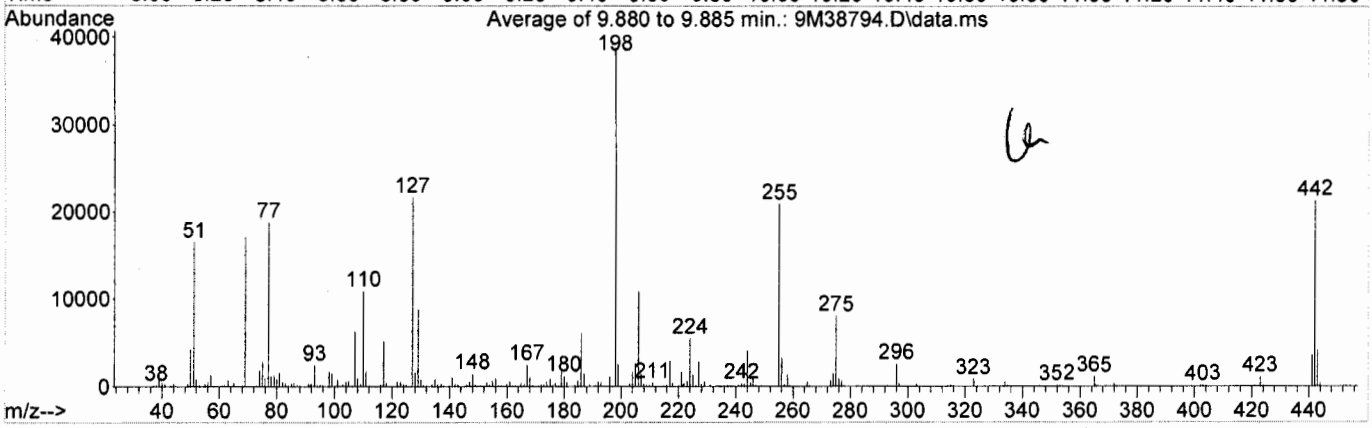
Data File	Sample Number	Analysis Date:
9M38795.D	BNA@50PPM	10/25/11 10:59
9M38796.D	CAL BNA@50PPM	10/25/11 12:29
9M38797.D	SMB9108	10/25/11 12:57
9M38798.D	SMB9108(MS)	10/25/11 13:20
9M38799.D	AC62136-002	10/25/11 13:42
9M38800.D	AC62221-001	10/25/11 14:05
9M38801.D	AC62221-002	10/25/11 14:27
9M38802.D	AC62105-011(10X)	10/25/11 14:50
9M38803.D	AC62127-010(3X)	10/25/11 15:13
9M38804.D	AC62127-016(3X)	10/25/11 15:35
9M38805.D	AC62229-001(3X)	10/25/11 15:58
9M38806.D	AC62090-004(3X)	10/25/11 16:20
9M38807.D	AC62136-002(3X)	10/25/11 16:43
9M38808.D	AC62136-002(3X)(	10/25/11 17:05
9M38809.D	AC62136-002(3X)(	10/25/11 17:28
9M38810.D	AC62090-005	10/25/11 17:51
9M38811.D	AC62090-015	10/25/11 18:14
9M38812.D	AC62229-004	10/25/11 18:36
9M38813.D	AC62229-002	10/25/11 18:59
9M38814.D	SMB9112	10/25/11 19:21
9M38815.D	AC62127-010(10X)	10/25/11 19:44

Data Path : G:\GcMsData\2011\GCMS_9\Data\10-25-11\
Data File : 9M38794.D
Acq On : 25 Oct 2011 10:37
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2011\GCMS_9\METHODQT\9M_1018.M
Title : @GCMS_9,mg,625,8270
Last Update : Tue Oct 18 14:47:42 2011





Spectrum Information: Average of 9.880 to 9.885 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	42.7	16549	PASS
68	69	0.00	2	0.9	161	PASS
69	198	0.00	100	44.0	17083	PASS
70	69	0.00	2	0.5	78	PASS
127	198	40	60	56.0	21714	PASS
197	198	0.00	1	0.2	84	PASS
198	198	100	100	100.0	38799	PASS
199	198	5	9	6.6	2543	PASS
275	198	10	30	20.9	8101	PASS
365	198	1	100	2.9	1134	PASS
441	443	0.01	100	86.2	3554	PASS
442	198	40	100	54.9	21311	PASS
443	442	17	23	19.4	4124	PASS

Form 5

Tune Name: CAL DFTPP **Data File:** 9M38816.D
Instrument: GCMS 9 **Analysis Date:** 10/26/11 09:09
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.875 to 9.880 min

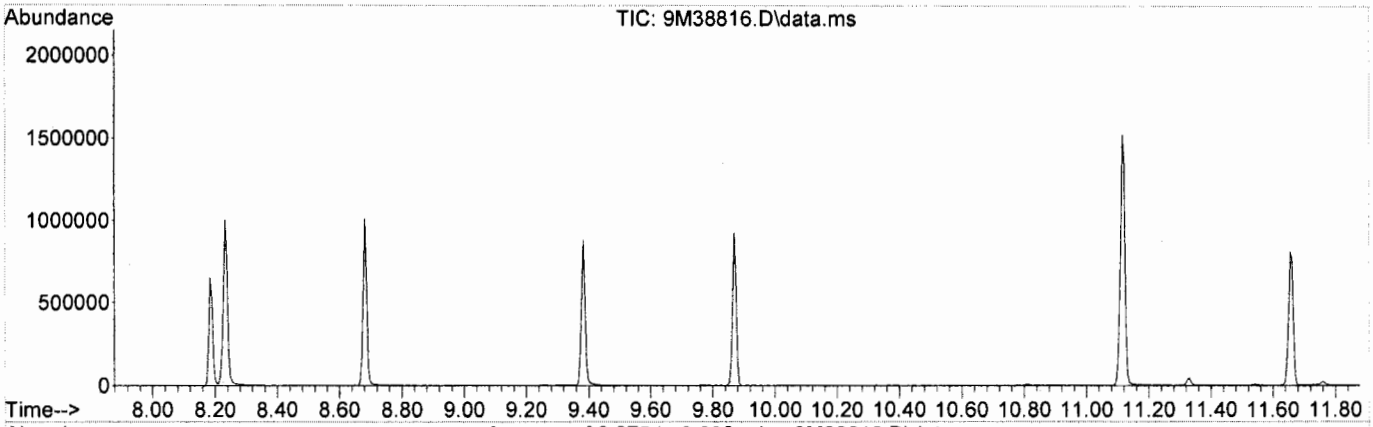
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	45.0	20728	PASS
68	69	0.00	2	1.4	307	PASS
69	198	0.00	100	46.5	21437	PASS
70	69	0.00	2	0.5	108	PASS
127	198	40	60	57.0	26264	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	46064	PASS
199	198	5	9	6.6	3020	PASS
275	198	10	30	20.8	9598	PASS
365	198	1	100	3.0	1380	PASS
441	443	0.01	100	81.4	4100	PASS
442	198	40	100	51.2	23568	PASS
443	442	17	23	21.4	5039	PASS

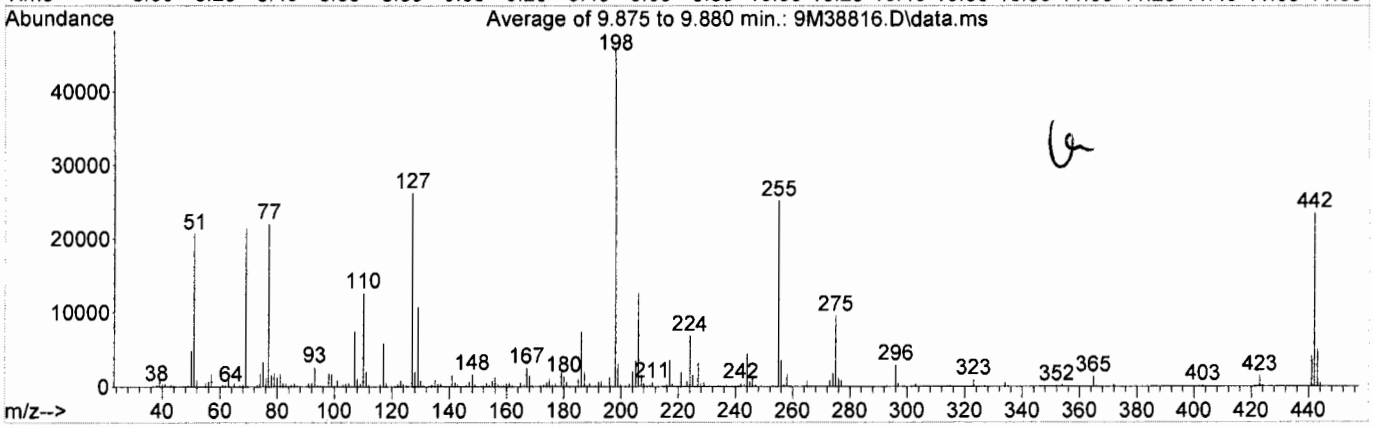
Data File	Sample Number	Analysis Date:
9M38817.D	CAL BNA@50PPM	10/26/11 10:44
9M38818.D	AC62254-001	10/26/11 12:24
9M38819.D	AC62254-002	10/26/11 12:47
9M38820.D	TEST	10/26/11 13:09
9M38821.D	AC62090-015(5X)	10/26/11 13:32
9M38822.D	AC62229-002(5X)	10/26/11 13:55
9M38823.D	AC62254-007	10/26/11 14:17
9M38824.D	AC62254-008	10/26/11 14:41
9M38825.D	AC62254-009(3X)	10/26/11 15:18
9M38826.D	AC62254-003	10/26/11 15:40
9M38827.D	AC62254-004	10/26/11 16:03
9M38828.D	AC62254-005	10/26/11 16:26
9M38829.D	AC62254-006	10/26/11 16:49
9M38830.D	AC62090-015(5X)	10/26/11 17:11
9M38831.D	AC62229-002(5X)	10/26/11 17:34
9M38832.D	AC62254-007	10/26/11 17:57
9M38833.D	AC62254-008	10/26/11 18:20
9M38834.D	TEST	10/26/11 18:42
9M38835.D	TEST	10/26/11 19:05
9M38836.D	TEST	10/26/11 19:28
9M38837.D	TEST	10/26/11 19:50
9M38838.D	TEST	10/26/11 20:13
9M38839.D	TEST	10/26/11 20:36

Data Path : G:\GcMsData\2011\GCMS_9\Data\10-26-11\
Data File : 9M38816.D
Acq On : 26 Oct 2011 9:09
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2011\GCMS_9\METHODQT\9M_1018.M
Title : @GCMS_9,mg,625,8270
Last Update : Tue Oct 18 14:47:42 2011





Spectrum Information: Average of 9.875 to 9.880 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	45.0	20728	PASS
68	69	0.00	2	1.4	307	PASS
69	198	0.00	100	46.5	21437	PASS
70	69	0.00	2	0.5	108	PASS
127	198	40	60	57.0	26264	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	46064	PASS
199	198	5	9	6.6	3020	PASS
275	198	10	30	20.8	9598	PASS
365	198	1	100	3.0	1380	PASS
441	443	0.01	100	81.4	4100	PASS
442	198	40	100	51.2	23568	PASS
443	442	17	23	21.4	5039	PASS

Form 5

Tune Name: CAL DFTPP **Data File:** 10M25494.D
Instrument: GCMS 10 **Analysis Date:** 10/27/11 07:50
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.734 to 9.750 min

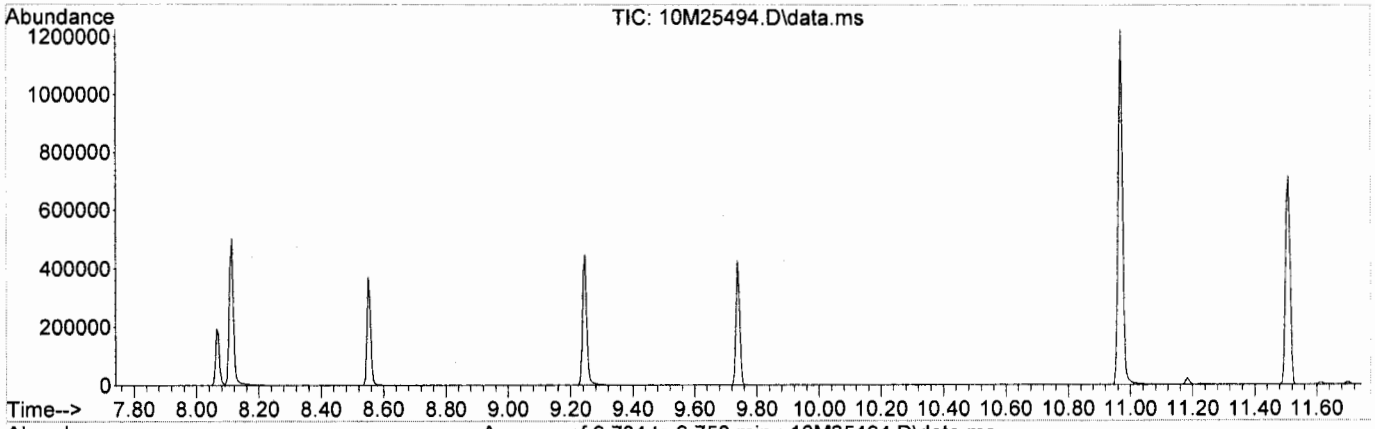
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	46.6	14310	PASS
68	69	0.00	2	1.0	149	PASS
69	198	0.00	100	47.0	14428	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	56.9	17483	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	30716	PASS
199	198	5	9	6.6	2040	PASS
275	198	10	30	20.7	6362	PASS
365	198	1	100	2.6	793	PASS
441	443	0.01	100	75.6	2638	PASS
442	198	40	100	60.0	18433	PASS
443	442	17	23	18.9	3491	PASS

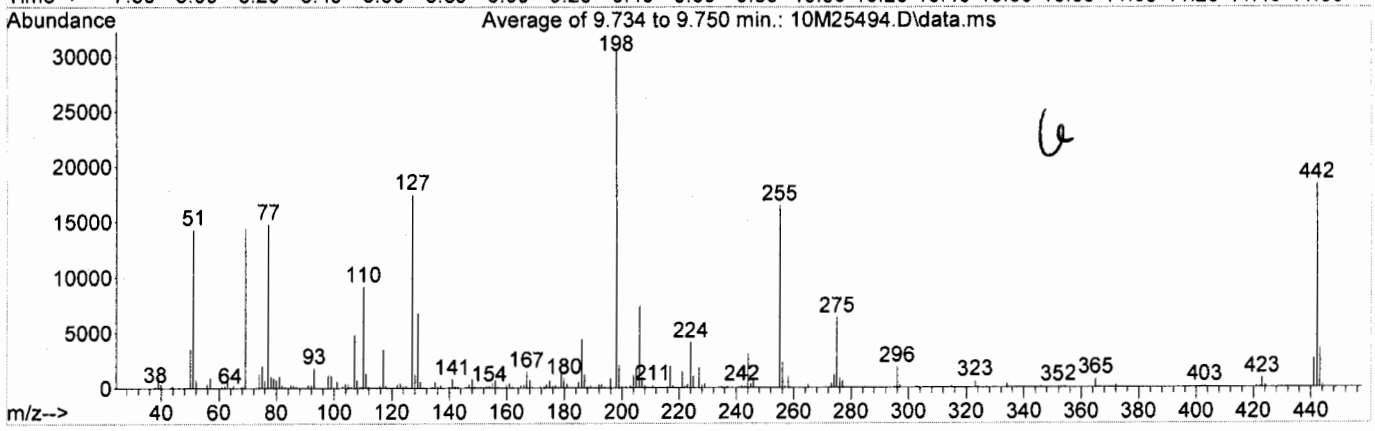
Data File	Sample Number	Analysis Date:
10M25495.D	CAL BNA@50PPM	10/27/11 08:15
10M25496.D	WMB9127	10/27/11 08:45
10M25497.D	TEST	10/27/11 09:07
10M25498.D	WMB9127(MS)	10/27/11 09:42
10M25499.D	AC62201-008	10/27/11 10:15
10M25500.D	AC62201-008(MS)	10/27/11 10:37
10M25501.D	AC62201-008(MSD	10/27/11 10:59
10M25502.D	SMB9123(MS)	10/27/11 11:21
10M25503.D	SMB9123	10/27/11 11:44
10M25504.D	AC62263-002	10/27/11 12:06
10M25505.D	AC62263-002(MS)	10/27/11 12:28
10M25506.D	AC62263-002(MSD	10/27/11 12:50
10M25507.D	AC62229-007	10/27/11 13:12
10M25508.D	AC62229-008	10/27/11 13:34
10M25509.D	AC62294-002	10/27/11 13:57
10M25510.D	AC62294-003	10/27/11 14:19
10M25511.D	AC62294-005	10/27/11 14:42
10M25512.D	SMB9129(MS)	10/27/11 15:04
10M25513.D	SMB9129	10/27/11 15:26
10M25514.D	EF-SPLP V-126356	10/27/11 15:48
10M25515.D	AC61997-002(T)	10/27/11 16:10
10M25516.D	AC61997-014(T)	10/27/11 16:32
10M25517.D	AC62113-008	10/27/11 16:54
10M25518.D	AC62113-008(MS)	10/27/11 17:17
10M25519.D	AC62113-008(MSD	10/27/11 17:39
10M25520.D	AC62269-001	10/27/11 18:01
10M25521.D	AC62269-007	10/27/11 18:23
10M25522.D	AC62254-005(R)	10/27/11 18:45
10M25523.D	AC62235-001(3X)	10/27/11 19:07
10M25524.D	AC62233-001	10/27/11 19:29
10M25525.D	AC62233-003	10/27/11 19:51
10M25526.D	AC62230-001	10/27/11 20:13
10M25527.D	AC62230-002	10/27/11 20:35
10M25528.D	AC62230-003	10/27/11 20:58
10M25529.D	AC62230-004	10/27/11 21:20
10M25530.D	AC62201-009	10/27/11 21:42
10M25531.D	AC62201-010	10/27/11 22:04
10M25532.D	AC62201-011	10/27/11 22:26
10M25533.D	AC62201-012	10/27/11 22:48
10M25534.D	AC62201-013	10/27/11 23:10
10M25535.D	AC62201-014	10/27/11 23:32
10M25536.D	AC62201-015	10/27/11 23:54

Data Path : G:\GcMsData\2011\GCMS_10\Data\10-27-11\
Data File : 10M25494.D
Acq On : 27 Oct 2011 7:50
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2011\GCMS_10\METHODQT\10M_1004.M
Title : @GCMS_10,mg,625,8270
Last Update : Tue Oct 04 13:21:19 2011





Spectrum Information: Average of 9.734 to 9.750 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	46.6	14310	PASS
68	69	0.00	2	1.0	149	PASS
69	198	0.00	100	47.0	14428	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	56.9	17483	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	30716	PASS
199	198	5	9	6.6	2040	PASS
275	198	10	30	20.7	6362	PASS
365	198	1	100	2.6	793	PASS
441	443	0.01	100	75.6	2638	PASS
442	198	40	100	60.0	18433	PASS
443	442	17	23	18.9	3491	PASS

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_10

0226

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	10M24990.	CAL BNA@50PPM	10/04/11 12:37	2	10M24982.	CAL BNA@2PPM	10/04/11 09:40
3	10M24984.	CAL BNA@10PPM	10/04/11 10:24	4	10M24985.	CAL BNA@20PPM	10/04/11 10:46
5	10M24986.	CAL BNA@80PPM	10/04/11 11:08	6	10M24987.	CAL BNA@120PPM	10/04/11 11:30
7	10M24988.	CAL BNA@160PPM	10/04/11 11:53	8	10M24989.	CAL BNA@196PPM	10/04/11 12:15
9	10M24983.	CAL BNA@.5PPM	10/04/11 10:02				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
1.4-Dioxane	1	0	LinF	0.4934	0.7482	0.7059	0.5402	0.5456	0.5069	0.5290	0.4769	-----	0.568	2.46	0.994	0.996	18		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pyridine	1	0	Avg	1.4600	0.9262	1.5645	1.3406	1.4873	1.4561	1.5468	1.4599	-----	1.41	2.91	0.998	0.998	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitrosodimethylamin	1	0	Avg	0.8502	0.7524	0.9929	0.8652	0.8832	0.8557	0.9153	0.8668	-----	0.873	2.84	0.998	0.998	7.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorophenol	1	0	Avg	1.3631	1.2842	1.4888	1.3226	1.4122	1.4063	1.4786	1.4319	1.6274	1.42	4.49	0.999	0.999	7.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Benzaldehyde	1	0	Qua	0.8644	0.9010	1.1142	0.9280	0.8268	0.7353	0.6781	0.5551	1.1809	0.865	5.33	0.970	0.999	23		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Aniline	1	0	Avg	2.2559	1.9887	2.6197	2.3468	2.1994	2.2374	2.2358	2.1393	2.3120	2.26	5.42	0.999	0.999	7.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Pentachloroethane	1	0	Avg	0.4565	0.4377	0.5495	0.4764	0.4708	0.4446	0.4617	0.4428	-----	0.468	5.46	0.999	0.999	7.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethyl)ether	1	0	Avg	1.4370	1.4535	1.8102	1.4902	1.4593	1.3410	1.4404	1.3373	1.6791	1.49	5.48	0.997	0.998	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Phenol-d5	1	0	Avg	1.5133	1.3631	1.7201	1.4723	1.5329	1.5550	1.5748	1.5210	1.7953	1.56	5.39	0.999	1.00	8.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Phenol	1	0	Avg	1.9304	1.7872	2.2721	1.9584	1.9933	1.9727	1.9679	1.9097	-----	1.97	5.40	0.999	1.00	6.9	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Chlorophenol	1	0	Avg	1.5165	1.4118	1.8035	1.5365	1.5256	1.5262	1.5718	1.4879	-----	1.55	5.52	0.999	0.999	7.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Decane	1	0	Avg	1.3347	1.5968	1.7314	1.4316	1.3920	1.2915	1.3013	1.1938	-----	1.41	5.56	0.995	0.998	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.3-Dichlorobenzene	1	0	Avg	1.4929	1.6224	1.8281	1.5948	1.5159	1.4598	1.5015	1.4051	-----	1.55	5.65	0.998	0.999	8.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.4-Dichlorobenzene	1	0	Avg	1.5418	1.6237	1.9126	1.6048	1.5129	1.4941	1.5327	1.4193	-----	1.58	5.72	0.997	0.998	9.4	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2-Dichlorobenzene	1	0	Avg	1.4599	1.6191	1.8389	1.5326	1.4994	1.4533	1.4672	1.3690	-----	1.53	5.84	0.997	0.999	9.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzyl alcohol	1	0	Avg	1.0378	0.8878	1.1692	0.9762	1.0315	1.0534	1.0670	1.0123	-----	1.03	5.82	0.999	0.999	7.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-chloroisopropyl)et	1	0	Qua	2.2302	2.5280	2.7706	2.3965	2.2258	2.1693	2.1545	2.0018	-----	2.31	5.93	0.997	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylphenol	1	0	Avg	1.4881	1.3866	1.7473	1.4916	1.4921	1.4650	1.4809	1.4114	1.7326	1.52	5.91	0.999	1.00	8.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Acetophenone	1	0	Avg	2.2255	2.4599	2.9319	2.3908	2.1380	2.0583	2.0088	1.8541	-----	2.26	6.03	0.995	0.999	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachloroethane	1	0	Avg	0.6037	0.6347	0.7076	0.5927	0.6063	0.5924	0.6011	0.5721	-----	0.614	6.11	0.999	0.999	6.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitroso-di-n-propylar	1	0	Avg	1.0778	1.0918	1.3678	1.1248	1.0332	1.0231	0.9942	0.9289	1.3506	1.11	6.03	0.996	0.999	14	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
3&4-Methylphenol	1	0	Avg	1.5112	1.5134	1.8384	1.5349	1.4749	1.4337	1.3934	1.2866	1.8267	1.53	6.03	0.995	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Nitrobenzene-d5	1	0	Avg	0.1577	0.1371	0.1715	0.1401	0.1578	0.1551	0.1639	0.1564	-----	0.155	6.16	0.999	0.999	7.4		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
Nitrobenzene	1	0	Avg	0.3478	0.3425	0.3946	0.3248	0.3418	0.3314	0.3363	0.3215	-----	0.343	6.17	0.999	0.999	6.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Isophorone	1	0	Avg	0.6769	0.6541	0.8099	0.6642	0.6952	0.6637	0.6848	0.6276	-----	0.685	6.36	0.996	0.998	8.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitrophenol	1	0	Avg	0.1882	0.1412	0.1875	0.1559	0.1810	0.1820	0.1917	0.1843	-----	0.177	6.42	0.999	0.999	10	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dimethylphenol	1	0	Avg	0.3580	0.3140	0.4156	0.3553	0.3569	0.3407	0.3546	0.3280	-----	0.353	6.45	0.997	0.998	8.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzoic Acid	1	0	Qua	0.2342	-----	0.0574	0.0721	0.2236	0.2731	0.3232	0.3294	-----	0.216	6.52	0.984	0.996	51		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethoxy)met	1	0	Avg	0.4155	0.4478	0.5104	0.4177	0.4108	0.3949	0.4015	0.3673	-----	0.421	6.52	0.996	0.998	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dichlorophenol	1	0	Avg	0.2872	0.2598	0.3273	0.2716	0.2861	0.2775	0.2876	0.2685	0.3241	0.288	6.60	0.998	0.999	8.2	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
1.2.4-Trichlorobenzene	1	0	Avg	0.2884	0.3303	0.3537	0.2890	0.2838	0.2712	0.2793	0.2615	-----	0.295	6.67	0.998	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Naphthalene	1	0	Qua	1.0563	1.1221	1.3053	1.0368	0.9977	0.9616	0.9621	0.8902	1.4340	1.09	6.73	0.996	0.999	16		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
4-Chloroaniline	1	0	Avg	0.4583	0.3999	0.5299	0.4667	0.4601	0.4300	0.4077	0.3621	0.5334	0.450	6.77	0.990	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Hexachlorobutadiene	1	0	Avg	0.1357	0.1531	0.1680	0.1365	0.1354	0.1272	0.1328	0.1229	-----	0.139	6.81	0.997	0.998	11	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Caprolactam	1	0	Avg	0.1540	0.1171	0.1829	0.1560	0.1593	0.1747	0.1793	0.1666	-----	0.161	7.04	0.996	0.996	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chloro-3-methylphen	1	0	Avg	0.3383	0.3078	0.4028	0.3273	0.3423	0.3472	0.3521	0.3241	-----	0.343	7.13	0.997	0.998	8.2	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylnaphthalene	1	0	Avg	0.7348	0.7446	0.9231	0.7583	0.7203	0.7072	0.7162	0.6625	-----	0.746	7.26	0.997	0.999	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Methylnaphthalenes (T	1	0	Avg	0.7348	0.7446	0.9231	0.7583	0.7203	0.7072	0.7162	0.6625	-----	0.746	7.26	0.997	0.999	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.1'-Biphenyl	1	0	Avg	0.9920	1.0342	1.2788	1.0107	0.9754	0.9568	0.9466	0.8655	-----	1.01	7.63	0.995	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2.4.5-Tetrachloroben	1	0	Avg	0.4720	0.5443	0.5943	0.4971	0.4790	0.4509	0.4639	0.4314	-----	0.492	7.39	0.997	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorocyclopentac	1	0	Qua	0.2289	0.1262	0.1947	0.1874	0.2299	0.2272	0.2404	0.2358	-----	0.209	7.37	0.999	0.999	18	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags
a - failed the spcc criteria — ** - ccc compound*
b - failed the ccc criteria — *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 10.6
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_10

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	10M24990.	CAL BNA@50PPM	10/04/11 12:37	2	10M24982.	CAL BNA@2PPM	10/04/11 09:40
3	10M24984.	CAL BNA@10PPM	10/04/11 10:24	4	10M24985.	CAL BNA@20PPM	10/04/11 10:46
5	10M24986.	CAL BNA@80PPM	10/04/11 11:08	6	10M24987.	CAL BNA@120PPM	10/04/11 11:30
7	10M24988.	CAL BNA@160PPM	10/04/11 11:53	8	10M24989.	CAL BNA@196PPM	10/04/11 12:15
9	10M24983.	CAL BNA@.5PPM	10/04/11 10:02				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
2.4.6-Trichlorophenol	1	0	Avg	0.3360	0.3044	0.3866	0.3357	0.3436	0.3320	0.3455	0.3284	-----	0.339	7.47	0.999	0.999	6.8	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4.5-Trichlorophenol	1	0	Avg	0.3753	0.2933	0.4133	0.3656	0.3820	0.3692	0.3752	0.3628	-----	0.367	7.51	0.999	1.00	9.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorobiphenyl	1	0	Avg	1.2026	1.2755	1.4250	1.2674	1.2255	1.1586	1.1999	1.1554	-----	1.24	7.54	0.999	0.999	7.0		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
2-Chloronaphthalene	1	0	Avg	1.0606	1.1377	1.3324	1.1395	1.0731	1.0026	1.0214	0.9437	-----	1.09	7.65	0.996	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,4-Dimethylnaphthalen	1	0	Qua	0.8681	0.9981	1.1472	0.9395	0.8583	0.7750	0.7717	0.7162	-----	0.884	7.93	0.992	0.998	16		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylnaphthalenes	1	0	Qua	0.8681	0.9981	1.1472	0.9395	0.8583	0.7750	0.7717	0.7162	-----	0.884	7.93	0.992	0.998	16		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diphenyl Ether	1	0	Avg	0.8380	0.9121	1.0458	0.8785	0.8267	0.7699	0.7664	0.7130	-----	0.844	7.71	0.996	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitroaniline	1	0	Avg	0.4382	0.3944	0.4770	0.4308	0.4453	0.4258	0.4407	0.4152	-----	0.433	7.73	0.998	0.999	5.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Coumarin	1	0	Qua	0.5943	0.6743	0.7992	0.6497	0.5921	0.5459	0.5346	0.4893	-----	0.610	7.91	0.993	0.999	16		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthylene	1	0	Avg	1.8818	1.9967	2.3323	1.9742	1.9107	1.7743	1.8052	1.6768	-----	1.92	8.00	0.996	0.999	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylphthalate	1	0	Avg	1.3425	1.4108	1.6948	1.3872	1.3639	1.3159	1.3120	1.2440	-----	1.38	7.87	0.998	0.999	9.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,6-Dinitrotoluene	1	0	Avg	0.2841	0.2096	0.3114	0.2820	0.2802	0.2646	0.2707	0.2557	-----	0.270	7.93	0.998	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthene	1	0	Avg	1.1777	1.2877	1.4958	1.2449	1.1847	1.1254	1.1165	1.0544	-----	1.21	8.15	0.997	1.00	11	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3-Nitroaniline	1	0	Avg	0.4037	0.3088	0.4419	0.4009	0.4058	0.3798	0.3882	0.3606	-----	0.386	8.08	0.997	0.999	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4-Dinitrophenol	1	0	Qua	0.1343	-----	0.0828	0.0842	0.1436	0.1585	0.1792	0.1807	-----	0.138	8.17	0.991	0.998	30	**(0.050)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzofuran	1	0	Avg	1.5971	1.7280	2.0073	1.6826	1.6135	1.4887	1.5250	1.4117	2.1434	1.69	8.31	0.996	0.999	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
2,4-Dinitrotoluene	1	0	Avg	0.4189	0.2621	0.4041	0.3742	0.4216	0.4160	0.4375	0.4113	-----	0.393	8.29	0.998	0.998	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitrophenol	1	0	Avg	0.3244	0.2228	0.3384	0.3144	0.3269	0.3189	0.3368	0.3238	-----	0.313	8.21	0.999	0.999	12	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,3,4,6-Tetrachlorophe	1	0	Avg	0.2941	0.2132	0.3360	0.2876	0.3056	0.2888	0.3038	0.2896	-----	0.290	8.41	0.999	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluorene	1	0	Avg	1.3692	1.4530	1.7445	1.4960	1.3692	1.2998	1.2930	1.1829	-----	1.40	8.62	0.995	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chlorophenyl-phenyl	1	0	Avg	0.5896	0.6420	0.6885	0.6045	0.5795	0.5480	0.5697	0.5232	-----	0.593	8.62	0.996	0.998	8.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diethylphthalate	1	0	Avg	1.4725	1.4854	1.7919	1.5347	1.4949	1.4177	1.4294	1.3497	-----	1.50	8.49	0.998	0.999	8.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitroaniline	1	0	Avg	0.4510	0.3650	0.5218	0.4733	0.4658	0.4527	0.4629	0.4362	-----	0.454	8.64	0.998	0.999	9.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Atrazine	1	0	Avg	0.4178	0.3790	0.5048	0.4449	0.4481	0.4149	0.4313	0.4036	-----	0.431	9.26	0.997	0.998	8.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4,6-Dinitro-2-methylphe	1	0	Qua	0.1027	-----	0.0657	0.0701	0.1075	0.1133	0.1186	0.1161	-----	0.0992	8.66	0.998	0.999	22		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
n-Nitrosodiphenylamine	1	0	Avg	0.6238	0.6238	0.7521	0.6435	0.6020	0.5847	0.5757	0.5385	-----	0.618	8.73	0.997	0.999	10	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4,6-Tribromophenol	1	0	Avg	0.0732	0.0598	0.0742	0.0693	0.0743	0.0748	0.0759	0.0740	-----	0.0720	8.86	1.00	1.00	7.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,2-Diphenylhydrazine	1	0	Avg	0.7511	0.7599	0.9984	0.8424	0.7419	0.7859	0.7619	0.7112	-----	0.794	8.77	0.996	0.998	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Bromophenyl-phenyl	1	0	Avg	0.1701	0.1679	0.2030	0.1680	0.1707	0.1645	0.1649	0.1577	-----	0.171	9.10	0.999	1.00	8.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobenzene	1	0	Avg	0.1633	0.1732	0.2036	0.1687	0.1638	0.1607	0.1616	0.1564	-----	0.169	9.16	0.999	1.00	8.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Octadecane	1	0	Avg	0.5057	0.4994	0.6343	0.5262	0.5110	0.4762	0.4520	0.4038	-----	0.501	9.43	0.987	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachlorophenol	1	0	Qua	0.1044	-----	0.0779	0.0811	0.1107	0.1137	0.1167	0.1136	-----	0.103	9.36	0.999	0.999	16	*(30)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Phenanthrene	1	0	Avg	1.0816	1.2184	1.4087	1.1264	1.0891	1.0380	1.0354	0.9468	-----	1.12	9.60	0.995	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Anthracene	1	0	Avg	1.1032	1.1693	1.4391	1.1515	1.1022	1.0581	1.0452	0.9901	-----	1.13	9.66	0.998	1.00	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Carbazole	1	0	Avg	1.1091	1.1290	1.4037	1.1809	1.1335	1.0762	1.0596	0.9892	-----	1.14	9.83	0.996	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-butylphthalate	1	0	Avg	1.4089	1.2867	1.6864	1.4752	1.4137	1.3425	1.3221	1.2565	1.4616	1.41	10.20	0.997	1.00	9.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Fluoranthene	1	0	Avg	1.1976	1.2242	1.5087	1.2664	1.2445	1.1536	1.1608	1.0763	-----	1.23	10.92	0.996	0.999	10	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pyrene	1	0	Avg	1.2391	1.1366	1.4292	1.1950	1.2429	1.2101	1.2435	1.1672	-----	1.23	11.19	0.998	0.999	7.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzidine	1	0	LinF	0.6790	0.3840	0.6621	0.6650	0.6772	0.6005	0.5599	----	-----	0.604	11.09	0.992	0.999	18		50.00	2.00	10.00	20.00	80.00	120.0	160.0		
Terphenyl-d14	1	0	Avg	0.7698	0.6982	0.8573	0.7183	0.7876	0.7829	0.7974	0.7795	-----	0.774	11.37	1.00	1.00	6.3		25.00	1.00	5.00	10.00	40.00	60.00	80.00	96.00	
4,4'-DDE	1	0	Avg	0.2364	0.2195	0.2689	0.2188	0.2374	0.2330	0.2448	0.2317	-----	0.236	11.31	0.999	0.999	6.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria — ** - ccc compound*

b - failed the ccc criteria — *** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 10.6

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_10

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	10M24990.	CAL BNA@50PPM	10/04/11 12:37	2	10M24982.	CAL BNA@2PPM	10/04/11 09:40
3	10M24984.	CAL BNA@10PPM	10/04/11 10:24	4	10M24985.	CAL BNA@20PPM	10/04/11 10:46
5	10M24986.	CAL BNA@80PPM	10/04/11 11:08	6	10M24987.	CAL BNA@120PPM	10/04/11 11:30
7	10M24988.	CAL BNA@160PPM	10/04/11 11:53	8	10M24989.	CAL BNA@196PPM	10/04/11 12:15
9	10M24983.	CAL BNA@.5PPM	10/04/11 10:02				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
4.4'-DDD	1	0	Avg	0.3786	0.3166	0.4199	0.3461	0.3835	0.3809	0.3930	0.3870	-----	0.376	11.70	1.00	1.00	8.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Butylbenzylphthalate	1	0	Avg	0.6711	0.5399	0.7258	0.6271	0.6891	0.6721	0.6978	0.6548	-----	0.660	11.97	0.998	0.999	8.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4.4'-DDT	1	0	Avg	0.3228	0.2377	0.3342	0.2955	0.3237	0.3184	0.3389	0.3241	-----	0.312	12.06	0.999	0.999	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3.3'-Dichlorobenzidine	1	0	Qua	0.4141	0.3311	0.4933	0.4036	0.4262	0.4098	0.4192	0.3752	-----	0.409	12.59	0.994	0.997	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]anthracene	1	0	Avg	1.1025	1.1903	1.3370	1.1400	1.1144	1.0705	1.1018	1.0325	-----	1.14	12.61	0.998	0.999	8.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Chrysene	1	0	Avg	1.0394	1.1321	1.3171	1.0402	1.0094	0.9731	0.9894	0.9519	-----	1.06	12.65	0.999	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Ethylhexyl)phthal	1	0	Avg	0.8889	0.7756	1.0225	0.8604	0.8852	0.8373	0.8426	0.7853	-----	0.862	12.66	0.997	0.999	8.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-octylphthalate	1	0	Avg	1.7648	1.3943	1.8977	1.6359	1.8165	1.7012	1.7284	1.5573	-----	1.69	13.41	0.993	0.998	9.4	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[b]fluoranthene	1	0	Avg	1.1354	1.1663	1.3776	1.1213	1.2244	1.0815	1.1487	1.1260	-----	1.17	13.82	0.998	0.998	7.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[k]fluoranthene	1	0	Avg	1.1495	1.1941	1.4864	1.2225	1.1240	1.0820	1.0839	0.9645	-----	1.16	13.85	0.992	0.998	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]pyrene	1	0	Avg	1.1561	1.0919	1.4007	1.1701	1.1708	1.0870	1.1141	1.0509	-----	1.16	14.16	0.998	0.999	9.4	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Indeno[1.2.3-cd]pyrene	1	0	Avg	1.1807	1.1662	1.4569	1.1968	1.2447	1.1494	1.1806	1.0623	-----	1.20	15.49	0.994	0.997	9.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzo[a.h]anthracen	1	0	Avg	0.9301	0.9452	1.1853	0.9860	0.9923	0.9304	0.9514	0.8517	-----	0.972	15.51	0.993	0.997	9.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[g.h.i]perylene	1	0	Avg	1.0015	1.0778	1.2946	1.0382	1.0671	0.9830	1.0171	0.8880	-----	1.05	15.85	0.994	0.997	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags
a - failed the spcc criteria ** - ccc compound*
b - failed the ccc criteria *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 10.6
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_9

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	9M38604.	CAL BNA@50PPM	10/18/11 09:24	2	9M38612.	CAL BNA@2PPM	10/18/11 13:28
3	9M38611.	CAL BNA@10PPM	10/18/11 13:05	4	9M38609.	CAL BNA@20PPM	10/18/11 11:20
5	9M38608.	CAL BNA@80PPM	10/18/11 10:57	6	9M38607.	CAL BNA@120PPM	10/18/11 10:34
7	9M38606.	CAL BNA@160PPM	10/18/11 10:10	8	9M38605.	CAL BNA@196PPM	10/18/11 09:47
9	9M38613.	CAL BNA@.5PPM	10/18/11 13:51				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Pyridine	1	0	Qua	1.1846	0.6699	1.0799	1.3397	1.2648	1.1884	1.3432	1.3570	-----	1.18	2.91	0.997	0.998	19		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitrosodimethylamin	1	0	Avg	0.6869	0.6327	0.7378	0.7090	0.7199	0.7114	0.7915	0.7679	-----	0.720	2.85	0.997	0.998	6.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorophenol	1	0	Avg	1.3354	1.1941	1.3178	1.3209	1.3795	1.4185	1.4870	1.5095	-----	1.37	4.52	0.998	1.00	7.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzaldehyde	1	0	Qua	0.7720	0.9240	0.9844	0.9549	0.6755	0.5335	0.4999	0.3932	-----	0.717	5.36	0.928	0.995	32		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Aniline	1	0	Avg	2.2297	1.5238	1.9589	2.2613	2.2636	2.1277	2.2655	2.1775	1.7174	2.06	5.45	0.999	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Pentachloroethane	1	0	Avg	0.4851	0.4426	0.4802	0.4672	0.4738	0.4995	0.5044	0.5261	-----	0.485	5.49	0.998	1.00	5.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethyl)ether	1	0	Avg	1.4990	1.5028	1.5503	1.4511	1.4770	1.5373	1.4616	1.4744	1.5843	1.50	5.52	0.999	1.00	3.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Phenol-d5	1	0	Avg	1.4961	1.3875	1.4661	1.4338	1.5159	1.5249	1.5953	1.6290	-----	1.51	5.42	0.999	1.00	5.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol	1	0	Avg	2.0704	2.0156	2.0286	2.0457	2.1329	2.0767	2.1826	2.2212	-----	2.10	5.43	0.999	1.00	3.6	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Chlorophenol	1	0	Avg	1.4850	1.3936	1.4474	1.4517	1.4816	1.5087	1.5513	1.6037	-----	1.49	5.55	0.999	1.00	4.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Decane	1	0	Avg	1.6957	1.8790	1.8614	1.8600	1.6972	1.7669	1.6780	1.7418	-----	1.77	5.59	0.999	0.999	4.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,3-Dichlorobenzene	1	0	Avg	1.5613	1.6302	1.6542	1.5774	1.5850	1.6219	1.6801	1.7356	-----	1.63	5.68	0.998	1.00	3.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,4-Dichlorobenzene	1	0	Avg	1.5945	1.6583	1.6300	1.6199	1.6140	1.6614	1.7088	1.7821	-----	1.66	5.75	0.998	1.00	3.7	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,2-Dichlorobenzene	1	0	Avg	1.5149	1.5702	1.5909	1.5274	1.5316	1.6129	1.5836	1.6355	-----	1.57	5.87	0.999	1.00	2.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzyl alcohol	1	0	Avg	0.9474	0.8095	0.9529	0.9250	0.9901	0.9500	1.0150	1.0340	-----	0.953	5.85	0.998	0.999	7.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-chloroisopropyl)et	1	0	Avg	2.1440	2.3465	2.3892	2.3485	2.1656	2.1945	2.0232	2.0643	-----	2.21	5.96	0.998	0.999	6.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylphenol	1	0	Avg	1.4453	1.3606	1.4297	1.3949	1.4227	1.4301	1.4495	1.5070	1.6821	1.46	5.94	0.999	1.00	6.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Acetophenone	1	0	Avg	2.2808	2.2665	2.3111	2.2357	2.2718	2.2867	2.3127	2.3819	-----	2.29	6.07	0.999	1.00	1.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachloroethane	1	0	Avg	0.6584	0.7084	0.6730	0.6450	0.6604	0.6805	0.6913	0.7242	-----	0.680	6.15	0.998	1.00	3.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitroso-di-n-propylan	1	0	Avg	1.1954	1.2372	1.1963	1.1931	1.1877	1.1748	1.1622	1.1915	1.2631	1.20	6.07	1.00	1.00	2.6	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
3&4-Methylphenol	1	0	Avg	1.5300	1.3614	1.4985	1.4598	1.5614	1.5582	1.6022	1.6425	1.6218	1.54	6.07	0.999	1.00	5.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Nitrobenzene-d5	1	0	Avg	0.1567	0.1294	0.1541	0.1610	0.1578	0.1656	0.1660	0.1697	-----	0.158	6.19	0.999	1.00	7.9		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
Nitrobenzene	1	0	Avg	0.4099	0.4162	0.4354	0.4229	0.4170	0.4381	0.4237	0.4383	-----	0.425	6.21	0.999	0.999	2.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Isophorone	1	0	Avg	0.7759	0.7637	0.7779	0.7633	0.7748	0.7693	0.7841	0.8120	-----	0.778	6.39	0.999	1.00	2.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitrophenol	1	0	Avg	0.1951	0.1727	0.1885	0.1920	0.2038	0.2093	0.2116	0.2177	-----	0.199	6.45	0.999	1.00	7.4	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4-Dimethylphenol	1	0	Avg	0.4041	0.3910	0.3973	0.4046	0.4023	0.4074	0.4050	0.4223	-----	0.404	6.48	0.999	1.00	2.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzoic Acid	1	0	Qua	0.1440	-----	0.0211	0.0359	0.2190	0.2180	0.2752	0.2840	-----	0.171	6.56	0.979	0.995	63		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethoxy)met	1	0	Avg	0.4413	0.4657	0.4532	0.4418	0.4433	0.4555	0.4483	0.4648	-----	0.452	6.56	0.999	1.00	2.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4-Dichlorophenol	1	0	Avg	0.2959	0.2861	0.2874	0.2780	0.3020	0.3004	0.3124	0.3246	0.2651	0.295	6.64	0.998	1.00	6.1	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
1,2,4-Trichlorobenzene	1	0	Avg	0.3035	0.3016	0.3035	0.3102	0.3104	0.3191	0.3289	0.3379	-----	0.314	6.70	0.999	1.00	4.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Naphthalene	1	0	Avg	1.0453	1.0592	1.0619	1.0640	1.0592	1.0811	1.1383	1.1483	1.2520	1.10	6.77	0.999	1.00	6.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
4-Chloroaniline	1	0	Avg	0.4264	0.3158	0.3559	0.4436	0.4078	0.3657	0.3550	0.3242	0.3986	0.377	6.80	0.989	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Hexachlorobutadiene	1	0	Avg	0.1447	0.1562	0.1480	0.1484	0.1495	0.1575	0.1629	0.1678	-----	0.154	6.85	0.998	1.00	5.2	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Caprolactam	1	0	Avg	0.1317	0.1120	0.1280	0.1298	0.1480	0.1381	0.1466	0.1555	-----	0.136	7.09	0.996	0.998	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chloro-3-methylphen	1	0	Avg	0.3697	0.3515	0.3614	0.3652	0.3713	0.3608	0.3762	0.3892	-----	0.368	7.17	0.998	1.00	3.1	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylnaphthalene	1	0	Avg	0.7743	0.7428	0.7606	0.7621	0.7924	0.7980	0.8187	0.8459	-----	0.787	7.30	0.999	1.00	4.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Methylnaphthalenes (T	1	0	Avg	0.7725	0.7428	0.7606	0.7669	0.7924	0.7978	0.8183	0.8460	-----	0.787	7.30	0.999	1.00	4.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,1'-Biphenyl	1	0	Avg	1.0146	0.9885	1.0013	1.0031	1.0306	1.0281	1.0730	1.1242	-----	1.03	7.68	0.998	1.00	4.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,2,4,5-Tetrachloroben.	1	0	Avg	0.5346	0.5433	0.5420	0.5319	0.5509	0.5779	0.6020	0.6219	-----	0.563	7.43	0.997	1.00	6.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorocyclopentac	1	0	Qua	0.2145	0.0949	0.1658	0.1786	0.2417	0.2516	0.2854	0.2863	-----	0.215	7.42	0.990	0.999	31	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4,6-Trichlorophenol	1	0	Avg	0.3505	0.3403	0.3484	0.3537	0.3703	0.3771	0.4081	0.4122	-----	0.370	7.52	0.997	1.00	7.4	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags
a - failed the spcc criteria — ** - ccc compound*
b - failed the ccc criteria — *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 8.42
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_9

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	9M38604.	CAL BNA@50PPM	10/18/11 09:24	2	9M38612.	CAL BNA@2PPM	10/18/11 13:28
3	9M38611.	CAL BNA@10PPM	10/18/11 13:05	4	9M38609.	CAL BNA@20PPM	10/18/11 11:20
5	9M38608.	CAL BNA@80PPM	10/18/11 10:57	6	9M38607.	CAL BNA@120PPM	10/18/11 10:34
7	9M38606.	CAL BNA@160PPM	10/18/11 10:10	8	9M38605.	CAL BNA@196PPM	10/18/11 09:47
9	9M38613.	CAL BNA@.5PPM	10/18/11 13:51				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
2.4.5-Trichlorophenol	1	0	Avg	0.3809	0.3759	0.3882	0.3822	0.3973	0.3905	0.4318	0.4422	-----	0.399	7.55	0.996	0.999	6.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorobiphenyl	1	0	Avg	1.2841	1.3796	1.2758	1.2800	1.2854	1.3406	1.3724	1.4158	-----	1.33	7.59	0.998	1.00	4.1		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
2-Chloronaphthalene	1	0	Avg	1.1870	1.2630	1.2200	1.1962	1.1945	1.2351	1.2700	1.3068	-----	1.23	7.70	0.999	1.00	3.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.4-Dimethylnaphthalei	1	0	Avg	0.9910	1.0522	0.9965	0.9831	1.0059	1.0542	1.1353	1.1623	-----	1.05	7.98	0.996	1.00	6.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylnaphthalenes	1	0	Avg	0.9910	1.0522	0.9965	0.9831	1.0059	1.0542	1.1353	1.1623	-----	1.05	7.98	0.996	1.00	6.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diphenyl Ether	1	0	Avg	0.9347	0.9234	0.9137	0.9042	0.9347	0.9788	1.0555	1.0842	-----	0.966	7.76	0.996	1.00	7.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitroaniline	1	0	Avg	0.5765	0.5267	0.5781	0.5779	0.5659	0.5723	0.5658	0.5899	-----	0.569	7.78	0.999	1.00	3.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Coumarin	1	0	Avg	0.6022	0.6231	0.6147	0.5844	0.6122	0.6222	0.6618	0.6859	-----	0.626	7.97	0.997	1.00	5.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthylene	1	0	Avg	2.0013	2.0177	2.0546	1.9708	2.0053	2.0557	2.1402	2.2284	-----	2.06	8.06	0.998	1.00	4.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylphthalate	1	0	Avg	1.4527	1.4336	1.4458	1.4240	1.4412	1.4794	1.5303	1.5764	-----	1.47	7.92	0.998	1.00	3.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.6-Dinitrotoluene	1	0	Avg	0.3107	0.2824	0.3047	0.3084	0.3214	0.3265	0.3368	0.3472	-----	0.317	7.98	0.999	1.00	6.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthene	1	0	Avg	1.2651	1.3065	1.2789	1.2558	1.3038	1.3298	1.4041	1.4541	-----	1.32	8.21	0.997	1.00	5.3	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3-Nitroaniline	1	0	Avg	0.3702	0.3177	0.3570	0.3702	0.3642	0.3407	0.3396	0.3335	-----	0.349	8.14	0.998	1.00	5.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dinitrophenol	1	0	Qua	0.1232	-----	0.0756	0.0724	0.1440	0.1401	0.1577	0.1632	-----	0.125	8.23	0.993	0.998	30	**(0.050)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzofuran	1	0	Avg	1.6795	1.7288	1.6773	1.6597	1.7063	1.7525	1.8286	1.9062	2.0410	1.78	8.36	0.997	1.00	7.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
2.4-Dinitrotoluene	1	0	Avg	0.4268	0.3335	0.4050	0.3989	0.4426	0.4373	0.4656	0.4866	-----	0.425	8.34	0.997	1.00	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitrophenol	1	0	Avg	0.3707	0.3033	0.3463	0.3480	0.3938	0.3819	0.4147	0.4360	-----	0.374	8.26	0.996	0.999	11	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.3.4.6-Tetrachlorophe	1	0	Avg	0.2714	0.2077	0.2395	0.2423	0.2802	0.2747	0.3177	0.3174	-----	0.269	8.47	0.994	0.998	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluorene	1	0	Avg	1.5084	1.4855	1.5154	1.4513	1.5286	1.5540	1.6517	1.7152	-----	1.55	8.68	0.997	1.00	5.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chlorophenyl-phenyle	1	0	Avg	0.6274	0.5795	0.6046	0.5984	0.6564	0.6685	0.7372	0.7499	-----	0.653	8.67	0.996	0.999	9.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diethylphthalate	1	0	Avg	1.6087	1.6179	1.6154	1.5500	1.6118	1.6265	1.6905	1.7461	-----	1.63	8.55	0.998	1.00	3.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitroaniline	1	0	Avg	0.4251	0.3889	0.4199	0.4230	0.4193	0.4097	0.4283	0.4507	-----	0.421	8.70	0.997	0.999	4.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Atrazine	1	0	Avg	0.4039	0.3901	0.4091	0.3847	0.4132	0.4077	0.4298	0.4542	-----	0.412	9.32	0.997	0.999	5.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4.6-Dinitro-2-methylphe	1	0	Qua	0.1125	-----	0.0754	0.0774	0.1192	0.1207	0.1325	0.1341	-----	0.110	8.72	0.997	0.999	22		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
n-Nitrosodiphenylamine	1	0	Avg	0.7411	0.6934	0.7200	0.7229	0.7651	0.7844	0.8185	0.8484	-----	0.762	8.79	0.998	1.00	6.9	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4.6-Tribromophenol	1	0	Avg	0.0580	0.0434	0.0577	0.0576	0.0627	0.0627	0.0707	0.0715	-----	0.0606	8.92	0.995	0.999	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2-Diphenylhydrazine	1	0	Avg	1.0871	1.0978	1.1166	1.0167	0.9853	1.0268	1.1139	1.1529	-----	1.07	8.83	0.995	0.999	5.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Bromophenyl-phenyle	1	0	Avg	0.1718	0.1582	0.1658	0.1639	0.1815	0.1857	0.2032	0.2060	-----	0.180	9.16	0.996	1.00	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobenzene	1	0	Avg	0.1647	0.1613	0.1574	0.1557	0.1725	0.1795	0.1936	0.1977	-----	0.173	9.22	0.992	1.00	9.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Octadecane	1	0	Avg	0.6983	0.7304	0.7604	0.7637	0.7131	0.7303	0.7106	0.7091	-----	0.727	9.48	1.00	1.00	3.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachlorophenol	1	0	Qua	0.0944	-----	0.0552	0.0628	0.1045	0.1068	0.1217	0.1242	-----	0.0957	9.42	0.994	0.999	28	*(30)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Phenanthrene	1	0	Avg	1.1695	1.2210	1.1828	1.1553	1.2013	1.2255	1.3081	1.3684	-----	1.23	9.66	0.996	1.00	6.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Anthracene	1	0	Avg	1.1919	1.2009	1.1762	1.1703	1.2103	1.2407	1.3184	1.3723	-----	1.24	9.71	0.997	1.00	5.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Carbazole	1	0	Avg	1.2025	1.1704	1.1816	1.1577	1.2122	1.2210	1.2995	1.3530	-----	1.22	9.89	0.997	1.00	5.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-butylphthalate	1	0	Avg	1.6602	1.4801	1.5802	1.5663	1.6739	1.6990	1.7620	1.8303	1.5832	1.65	10.26	0.998	1.00	6.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Fluoranthene	1	0	Avg	1.3648	1.1983	1.2296	1.2301	1.3762	1.4054	1.4822	1.5582	-----	1.36	10.99	0.997	1.00	9.5	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pyrene	1	0	Avg	1.4899	1.4467	1.4404	1.4869	1.5477	1.6188	1.6727	1.7567	-----	1.56	11.25	0.997	1.00	7.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzidine	1	0	Qua	0.5824	0.2999	0.4121	0.6956	0.5327	0.4594	0.4361	0.4178	-----	0.480	11.15	0.977	0.994	25		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Terphenyl-d14	1	0	Avg	0.7127	0.6489	0.7078	0.7353	0.7287	0.7575	0.8013	0.8377	-----	0.741	11.44	0.996	1.00	7.9		25.00	1.00	5.00	10.00	40.00	60.00	80.00	96.00	
4.4'-DDE	1	0	Avg	0.2654	0.2408	0.2508	0.2684	0.2834	0.2954	0.3129	0.3207	-----	0.280	11.37	0.997	1.00	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4.4'-DDD	1	0	Avg	0.4492	0.4048	0.4180	0.4362	0.4717	0.4839	0.5134	0.5271	-----	0.463	11.77	0.997	1.00	9.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags
a - failed the spcc criteria — ** - ccc compound*
b - failed the ccc criteria — *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 8.42
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_9

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	9M38604.	CAL BNA@50PPM	10/18/11 09:24	2	9M38612.	CAL BNA@2PPM	10/18/11 13:28
3	9M38611.	CAL BNA@10PPM	10/18/11 13:05	4	9M38609.	CAL BNA@20PPM	10/18/11 11:20
5	9M38608.	CAL BNA@80PPM	10/18/11 10:57	6	9M38607.	CAL BNA@120PPM	10/18/11 10:34
7	9M38606.	CAL BNA@160PPM	10/18/11 10:10	8	9M38605.	CAL BNA@196PPM	10/18/11 09:47
9	9M38613.	CAL BNA@.5PPM	10/18/11 13:51				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Butylbenzylphthalate	1	0	Avg	0.8464	0.7857	0.8196	0.8460	0.8574	0.9019	0.9068	0.9439	-----	0.864	12.02	0.998	1.00	5.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4,4'-DDT	1	0	Avg	0.3591	0.2968	0.3405	0.3236	0.3878	0.3983	0.4391	0.4535	-----	0.375	12.13	0.995	1.00	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3,3'-Dichlorobenzidine	1	0	Qua	0.3716	0.2966	0.3131	0.3488	0.3625	0.3429	0.3421	0.3226	-----	0.338	12.65	0.997	1.00	7.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]anthracene	1	0	Avg	1.1799	1.2637	1.1404	1.1686	1.2142	1.2532	1.2976	1.3709	-----	1.24	12.67	0.997	1.00	6.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Chrysene	1	0	Avg	1.0389	1.0715	1.0299	1.0014	1.0732	1.1278	1.1652	1.2302	-----	1.09	12.71	0.997	1.00	7.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Ethylhexyl)phthal	1	0	Avg	1.0957	1.0418	1.0981	1.0795	1.1459	1.2029	1.2201	1.2646	-----	1.14	12.71	0.998	1.00	6.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-octylphthalate	1	0	Avg	2.8078	2.3124	2.4556	2.6291	2.8816	2.9545	3.2496	3.3758	-----	2.83	13.47	0.995	1.00	13	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[b]fluoranthene	1	0	Avg	1.3665	1.2099	1.1643	1.2503	1.4466	1.5142	1.7090	1.7271	-----	1.42	13.89	0.994	0.999	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[k]fluoranthene	1	0	Avg	1.3301	1.1615	1.2005	1.2270	1.3287	1.4058	1.4879	1.6431	-----	1.35	13.92	0.991	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]pyrene	1	0	Avg	1.2198	1.1174	1.1062	1.1249	1.2931	1.3566	1.4466	1.5706	-----	1.28	14.24	0.992	1.00	13	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Indeno[1,2,3-cd]pyrene	1	0	Qua	0.8986	0.9696	0.9811	0.9660	1.0992	1.2322	1.2650	1.3817	-----	1.10	15.59	0.990	0.999	16		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzo[a,h]anthracen	1	0	Qua	0.7319	0.7643	0.8082	0.7681	0.9017	1.0003	1.0599	1.1612	-----	0.900	15.61	0.988	0.999	18		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[g,h,i]perylene	1	0	Avg	0.6930	0.8331	0.8182	0.7467	0.8376	0.9381	0.9477	1.0308	-----	0.856	15.96	0.992	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags
a - failed the spcc criteria ** - ccc compound*
b - failed the ccc criteria *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 8.42
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 10M25482.D **Instrument:** GCMS 10

Cont Calibration Date/Time 10/25/2011 9:28:00 Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1.4-Dichlorobenzene-d4	1	0	I	5.62	40.00	40				0.000	0.00	
1.4-Dioxane	1	0		2.34	54.75				0.568			
Pyridine	1	0		2.76	51.95	50			1.405	1.460	3.90	
N-Nitrosodimethylamine	1	0		2.70	50.07	50			0.873	0.874	0.13	
2-Fluorophenol	1	0	S	4.40	47.35	50			1.424	1.349	5.29	
Benzaldehyde	1	0		5.25	37.29	50			0.865	0.688	25.41	
Aniline	1	0		5.34	47.00	50			2.260	2.124	6.00	
Pentachloroethane	1	0		5.37	52.66	50			0.468	0.492	5.31	
bis(2-Chloroethyl)ether	1	0		5.40	48.90	50			1.494	1.461	2.21	
Phenol-d5	1	0	S	5.31	44.05	50			1.561	1.375	11.90	
Phenol	1	0	CC	5.32	49.74	50	20		1.974	1.964	0.52	
2-Chlorophenol	1	0		5.44	48.13	50			1.548	1.490	3.75	
N-Decane	1	0		5.48	53.82	50			1.409	1.517	7.65	
1.3-Dichlorobenzene	1	0		5.57	51.76	50			1.553	1.607	3.51	
1.4-Dichlorobenzene	1	0	CC	5.64	50.55	50	20		1.580	1.598	1.09	
1.2-Dichlorobenzene	1	0		5.76	50.16	50			1.530	1.535	0.32	
Benzyl alcohol	1	0		5.74	45.62	50			1.029	0.939	8.75	
bis(2-chloroisopropyl)ether	1	0		5.85	47.99	50			2.310	2.225	4.02	
2-Methylphenol	1	0		5.83	44.77	50			1.522	1.362	10.47	
Acetophenone	1	0		5.95	44.84	50			2.258	2.026	10.31	
Hexachloroethane	1	0		6.03	53.18	50			0.614	0.653	6.37	
N-Nitroso-di-n-propylamine	1	0	CP	5.95	45.76	50	0.05		1.110	1.016	8.48	
3&4-Methylphenol	1	0		5.96	44.79	50			1.535	1.375	10.43	
Naphthalene-d8	1	0	I	6.63	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	6.08	25.45	25			0.155	0.158	1.80	
Nitrobenzene	1	0		6.09	54.69	50			0.343	0.375	9.37	
Isophorone	1	0		6.28	49.55	50			0.685	0.678	0.89	
2-Nitrophenol	1	0	CC	6.34	56.07	50	20		0.177	0.198	12.13	
2.4-Dimethylphenol	1	0		6.37	52.27	50			0.353	0.369	4.53	
Benzoic Acid	1	0		6.45	41.71	50			0.216	0.153	16.59	
bis(2-Chloroethoxy)methane	1	0		6.44	50.67	50			0.421	0.426	1.33	
2.4-Dichlorophenol	1	0	CC	6.52	50.39	50	20		0.288	0.290	0.78	
1.2.4-Trichlorobenzene	1	0		6.58	53.11	50			0.295	0.313	6.22	
Naphthalene	1	0		6.65	51.48	50			1.085	1.075	2.95	
4-Chloroaniline	1	0		6.69	49.30	50			0.450	0.444	1.41	
Hexachlorobutadiene	1	0	CC	6.73	58.84	50	20		0.139	0.164	17.68	
Caprolactam	1	0		6.96	36.19	50			0.161	0.117	27.62	
4-Chloro-3-methylphenol	1	0	CC	7.05	48.77	50	20		0.343	0.334	2.45	
2-Methylnaphthalene	1	0		7.17	49.20	50			0.746	0.734	1.60	
Methylnaphthalenes	1	0		7.17	49.26	50	20			0.735	1.49	
1.1'-Biphenyl	1	0		7.54	47.28	50			1.008	0.953	5.44	
Acenaphthene-d10	1	0	I	8.03	40.00	40				0.000	0.00	
1.2.4.5-Tetrachlorobenzene	1	0		7.30	56.93	50			0.492	0.560	13.87	
Hexachlorocyclopentadiene	1	0	CP	7.28	58.91	50	0.05		0.209	0.267	17.82	
2.4.6-Trichlorophenol	1	0	CC	7.39	54.22	50	20		0.339	0.368	8.44	
2.4.5-Trichlorophenol	1	0		7.42	54.91	50			0.367	0.403	9.83	
2-Fluorobiphenyl	1	0	S	7.46	26.89	25			1.239	1.333	7.57	
2-Chloronaphthalene	1	0		7.56	55.09	50			1.089	1.200	10.18	
1.4-Dimethylnaphthalene	1	0		7.84	52.98	50			0.884	0.945	5.96	
Dimethylnaphthalenes	1	0		7.84	52.98	50	20			0.945	5.96	
Diphenyl Ether	1	0		7.62	52.92	50			0.844	0.893	5.84	
2-Nitroaniline	1	0		7.64	55.97	50			0.433	0.485	11.94	
Coumarin	1	0		7.82	46.29				0.610			
Acenaphthylene	1	0		7.91	52.17	50			1.919	2.002	4.34	
Dimethylphthalate	1	0		7.78	50.61	50			1.384	1.401	1.22	
2.6-Dinitrotoluene	1	0		7.84	55.15	50			0.270	0.298	10.30	
Acenaphthene	1	0	CC	8.06	52.40	50	20		1.211	1.269	4.79	
3-Nitroaniline	1	0		7.99	48.69	50			0.386	0.376	2.61	
2.4-Dinitrophenol	1	0	CP	8.08	56.04	50	0.05		0.138	0.145	12.08	
Dibenzofuran	1	0		8.21	49.78	50			1.689	1.681	0.44	
2.4-Dinitrotoluene	1	0		8.19	51.74	50			0.393	0.407	3.48	
4-Nitrophenol	1	0	CP	8.12	47.86	50	0.05		0.313	0.300	4.28	
2.3.4.6-Tetrachlorophenol	1	0		8.32	51.81	50			0.290	0.300	3.61	
Fluorene	1	0		8.53	49.80	50			1.401	1.395	0.40	
4-Chlorophenyl-phenylether	1	0		8.52	51.85	50			0.593	0.615	3.69	
Diethylphthalate	1	0		8.40	49.80	50			1.497	1.491	0.40	
4-Nitroaniline	1	0		8.55	44.93	50			0.454	0.408	10.14	
Atrazine	1	0		9.16	44.23	50			0.431	0.381	11.54	
Phenanthrene-d10	1	0	I	9.47	40.00	40				0.000	0.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 10M25482.D **Instrument:** GCMS 10

Cont Calibration Date/Time 10/25/2011 9:28:00 Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
4,6-Dinitro-2-methylphenol	1	0		8.57	57.14	50			0.099	0.114	14.27	
n-Nitrosodiphenylamine	1	0	CC	8.63	53.85	50	20		0.618	0.666	7.71	
2,4,6-Tribromophenol	1	0	S	8.76	57.12	50			0.072	0.082	14.24	
1,2-Diphenylhydrazine	1	0		8.67	54.17	50			0.794	0.860	8.34	
4-Bromophenyl-phenylether	1	0		9.00	54.82	50			0.171	0.187	9.64	
Hexachlorobenzene	1	0		9.05	58.15	50			0.169	0.197	16.31	
N-Octadecane	1	0		9.33	60.23	50			0.501	0.604	20.46	
Pentachlorophenol	1	0	CC	9.26	47.68	50	20		0.103	0.098	4.65	
Phenanthrene	1	0		9.49	51.30	50			1.118	1.147	2.59	
Anthracene	1	0		9.55	52.37	50			1.132	1.186	4.74	
Carbazole	1	0		9.72	48.17	50			1.135	1.094	3.66	
Di-n-butylphthalate	1	0		10.10	51.31	50			1.406	1.443	2.62	
Fluoranthene	1	0	CC	10.81	48.10	50	20		1.229	1.182	3.81	
Chrysene-d12	1	0	I	12.50	40.00	40				0.000	0.00	
Pyrene	1	0		11.08	53.71	50			1.233	1.324	7.41	
Benzidine	1	0		10.97	45.08	50			0.604	0.552	9.84	
Terphenyl-d14	1	0	S	11.26	25.85	25			0.774	0.800	3.40	
4,4'-DDE	1	0		11.19	57.15				0.236			
4,4'-DDD	1	0		11.60	53.46				0.376			
Butylbenzylphthalate	1	0		11.86	51.36	50			0.660	0.678	2.71	
4,4'-DDT	1	0		11.95	58.45				0.312			
3,3'-Dichlorobenzidine	1	0		12.47	42.67	50			0.409	0.378	14.66	
Benzo[a]anthracene	1	0		12.49	49.80	50			1.136	1.132	0.40	
Chrysene	1	0		12.53	51.01	50			1.057	1.078	2.03	
bis(2-Ethylhexyl)phthalate	1	0		12.55	52.45	50			0.862	0.905	4.90	
Perylene-d12	1	0	I	14.10	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	13.30	52.85	50	20		1.687	1.783	5.71	
Benzo[b]fluoranthene	1	0		13.70	55.99	50			1.173	1.313	11.98	
Benzo[k]fluoranthene	1	0		13.73	52.20	50			1.163	1.215	4.39	
Benzo[a]pyrene	1	0	CC	14.04	52.32	50	20		1.155	1.209	4.63	
Indeno[1,2,3-cd]pyrene	1	0		15.32	50.90	50			1.205	1.226	1.80	
Dibenzo[a,h]anthracene	1	0		15.34	51.19	50			0.972	0.995	2.39	
Benzo[g,h,i]perylene	1	0		15.67	50.37	50			1.046	1.054	0.75	
2,2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
2,4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			0.884	0.000	100.00	
Endrin	1	100		0.00	0.00	50				0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.746	0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 9M38796.D **Instrument:** GCMS 9

Cont Calibration Date/Time 10/25/2011 12:29:00 Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,4-Dichlorobenzene-d4	1	0	I	5.70	40.00	40				0.000	0.00	
Pyridine	1	0		2.87	51.35	50			1.178	1.229	2.70	
N-Nitrosodimethylamine	1	0		2.80	48.79	50			0.720	0.702	2.41	
2-Fluorophenol	1	0	S	4.49	47.64	50			1.370	1.306	4.71	
Benzaldehyde	1	0		5.33	50.77	50			0.717	0.784	1.54	
Aniline	1	0		5.42	56.03	50			2.058	2.307	12.06	
Pentachloroethane	1	0		5.46	49.49	50			0.485	0.480	1.02	
bis(2-Chloroethyl)ether	1	0		5.48	47.74	50			1.504	1.436	4.52	
Phenol-d5	1	0	S	5.39	49.86	50			1.506	1.502	0.27	
Phenol	1	0	CC	5.40	50.86	50	20		2.097	2.133	1.73	
2-Chlorophenol	1	0		5.52	49.91	50			1.490	1.488	0.17	
N-Decane	1	0		5.56	53.58	50			1.773	1.899	7.16	
1,3-Dichlorobenzene	1	0		5.65	47.82	50			1.631	1.560	4.36	
1,4-Dichlorobenzene	1	0	CC	5.72	48.42	50	20		1.659	1.606	3.16	
1,2-Dichlorobenzene	1	0		5.84	47.91	50			1.571	1.505	4.18	
Benzyl alcohol	1	0		5.82	51.31	50			0.953	0.978	2.61	
bis(2-chloroisopropyl)ether	1	0		5.93	59.25	50			2.210	2.618	18.50	
2-Methylphenol	1	0		5.91	48.42	50			1.458	1.412	3.16	
Acetophenone	1	0		6.04	51.18	50			2.293	2.348	2.37	
Hexachloroethane	1	0		6.11	50.09	50			0.680	0.681	0.18	
N-Nitroso-di-n-propylamine	1	0	CP	6.03	55.01	50	0.05		1.200	1.321	10.03	
3&4-Methylphenol	1	0		6.04	50.37	50			1.537	1.549	0.74	
Naphthalene-d8	1	0	I	6.72	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	6.16	24.25	25			0.158	0.153	3.01	
Nitrobenzene	1	0		6.17	51.67	50			0.425	0.439	3.33	
Isophorone	1	0		6.36	51.17	50			0.778	0.796	2.34	
2-Nitrophenol	1	0	CC	6.42	50.83	50	20		0.199	0.202	1.66	
2,4-Dimethylphenol	1	0		6.45	50.82	50			0.404	0.411	1.64	
Benzoic Acid	1	0		6.54	34.46	50			0.171	0.090	31.08	
bis(2-Chloroethoxy)methane	1	0		6.53	49.58	50			0.452	0.448	0.84	
2,4-Dichlorophenol	1	0	CC	6.61	50.11	50	20		0.295	0.295	0.22	
1,2,4-Trichlorobenzene	1	0		6.67	47.78	50			0.314	0.300	4.44	
Naphthalene	1	0		6.73	48.09	50			1.101	1.059	3.82	
4-Chloroaniline	1	0		6.77	57.90	50			0.377	0.437	15.81	
Hexachlorobutadiene	1	0	CC	6.82	48.86	50	20		0.154	0.151	2.28	
Caprolactam	1	0		7.05	46.55	50			0.136	0.127	6.90	
4-Chloro-3-methylphenol	1	0	CC	7.14	50.12	50	20		0.368	0.369	0.24	
2-Methylnaphthalene	1	0		7.26	49.52	50			0.787	0.779	0.96	
Methylnaphthalenes	1	0		7.26	49.50	50	20			0.779	1.00	
1,1'-Biphenyl	1	0		7.63	49.01	50			1.033	1.013	1.98	
Acenaphthene-d10	1	0	I	8.14	40.00	40				0.000	0.00	
1,2,4,5-Tetrachlorobenzene	1	0		7.39	48.08	50			0.563	0.542	3.84	
Hexachlorocyclopentadiene	1	0	CP	7.38	36.37	50	0.05		0.215	0.150	27.27	
2,4,6-Trichlorophenol	1	0	CC	7.48	49.90	50	20		0.370	0.369	0.20	
2,4,5-Trichlorophenol	1	0		7.52	47.39	50			0.399	0.378	5.21	
2-Fluorobiphenyl	1	0	S	7.55	24.04	25			1.329	1.278	3.82	
2-Chloronaphthalene	1	0		7.66	48.16	50			1.234	1.189	3.68	
1,4-Dimethylnaphthalene	1	0		7.94	48.62	50			1.048	1.019	2.75	
Dimethylnaphthalenes	1	0		7.94	48.62	50	20			1.019	2.75	
Diphenyl Ether	1	0		7.72	48.58	50			0.966	0.939	2.84	
2-Nitroaniline	1	0		7.74	55.92	50			0.569	0.637	11.84	
Coumarin	1	0		7.93	48.29				0.626			
Acenaphthylene	1	0		8.01	47.65	50			2.059	1.963	4.70	
Dimethylphthalate	1	0		7.88	49.35	50			1.473	1.454	1.30	
2,6-Dinitrotoluene	1	0		7.94	51.04	50			0.317	0.324	2.08	
Acenaphthene	1	0	CC	8.16	47.91	50	20		1.325	1.270	4.17	
3-Nitroaniline	1	0		8.09	52.78	50			0.349	0.369	5.55	
2,4-Dinitrophenol	1	0	CP	8.19	56.65	50	0.05		0.125	0.137	13.31	
Dibenzofuran	1	0		8.32	46.03	50			1.776	1.635	7.93	
2,4-Dinitrotoluene	1	0		8.30	47.48	50			0.425	0.403	5.04	
4-Nitrophenol	1	0	CP	8.23	53.37	50	0.05		0.374	0.400	6.74	
2,3,4,6-Tetrachlorophenol	1	0		8.43	48.57	50			0.269	0.261	2.87	
Fluorene	1	0		8.64	48.26	50			1.551	1.497	3.49	
4-Chlorophenyl-phenylether	1	0		8.63	47.85	50			0.653	0.625	4.30	
Diethylphthalate	1	0		8.51	49.43	50			1.633	1.615	1.15	
4-Nitroaniline	1	0		8.66	49.12	50			0.421	0.413	1.76	
Atrazine	1	0		9.28	47.32	50			0.412	0.390	5.35	
Phenanthrene-d10	1	0	I	9.59	40.00	40				0.000	0.00	
4,6-Dinitro-2-methylphenol	1	0		8.69	53.46	50			0.110	0.120	6.92	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 9M38796.D **Instrument:** GCMS 9

Cont Calibration Date/Time 10/25/2011 12:29:00 Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
n-Nitrosodiphenylamine	1	0	CC	8.75	49.54	50	20		0.762	0.755	0.92	
2,4,6-Tribromophenol	1	0	S	8.87	48.20	50			0.061	0.058	3.61	
1,2-Diphenylhydrazine	1	0		8.78	55.10	50			1.075	1.184	10.20	
4-Bromophenyl-phenylether	1	0		9.12	48.06	50			0.180	0.173	3.89	
Hexachlorobenzene	1	0		9.18	48.09	50			0.173	0.166	3.83	
N-Octadecane	1	0		9.44	58.84	50			0.727	0.856	17.68	
Pentachlorophenol	1	0	CC	9.38	45.52	50	20		0.096	0.081	8.96	
Phenanthrene	1	0		9.62	47.86	50			1.229	1.176	4.28	
Anthracene	1	0		9.68	48.43	50			1.235	1.196	3.13	
Carbazole	1	0		9.85	47.73	50			1.225	1.169	4.54	
Di-n-butylphthalate	1	0		10.22	51.22	50			1.648	1.689	2.44	
Fluoranthene	1	0	CC	10.95	46.51	50	20		1.356	1.261	6.98	
Chrysene-d12	1	0	I	12.65	40.00	40				0.000	0.00	
Pyrene	1	0		11.22	52.42	50			1.558	1.633	4.84	
Benzidine	1	0		11.11	62.78	50			0.480	0.678	25.56	
Terphenyl-d14	1	0	S	11.40	26.26	25			0.741	0.779	5.03	
4,4'-DDE	1	0		11.33	54.15				0.280			
4,4'-DDD	1	0		11.73	52.95				0.463			
Butylbenzylphthalate	1	0		11.99	53.55	50			0.864	0.925	7.11	
4,4'-DDT	1	0		12.08	54.99				0.375			
3,3'-Dichlorobenzidine	1	0		12.61	49.37	50			0.338	0.364	1.26	
Benzo[a]anthracene	1	0		12.64	47.81	50			1.236	1.182	4.37	
Chrysene	1	0		12.68	49.68	50			1.092	1.085	0.64	
bis(2-Ethylhexyl)phthalate	1	0		12.68	55.48	50			1.144	1.269	10.96	
Perylene-d12	1	0	I	14.27	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	13.43	53.98	50	20		2.833	3.059	7.96	
Benzo[b]fluoranthene	1	0		13.86	45.37	50			1.424	1.292	9.25	
Benzo[k]fluoranthene	1	0		13.89	48.27	50			1.348	1.302	3.46	
Benzo[a]pyrene	1	0	CC	14.21	46.59	50	20		1.279	1.192	6.83	
Indeno[1,2,3-cd]pyrene	1	0		15.56	52.27	50			1.099	1.063	4.54	
Dibenzo[a,h]anthracene	1	0		15.58	53.56	50			0.900	0.879	7.12	
Benzo[g,h,i]perylene	1	0		15.93	49.38	50			0.856	0.845	1.24	
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			1.048	0.000	100.00	
Endrin	1	100		0.00	0.00	50				0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.787	0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
2,2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
2,4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 9M38817.D **Instrument:** GCMS 9

Cont Calibration Date/Time 10/26/2011 10:44:00 Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1.4-Dichlorobenzene-d4	1	0	I	5.70	40.00	40				0.000	0.00	
Pyridine	1	0		2.86	48.94	50			1.178	1.168	2.12	
N-Nitrosodimethylamine	1	0		2.80	47.02	50			0.720	0.677	5.96	
2-Fluorophenol	1	0	S	4.49	48.78	50			1.370	1.337	2.45	
Benzaldehyde	1	0		5.33	72.09	50			0.717	1.031	44.19	
Aniline	1	0		5.42	58.06	50			2.058	2.390	16.13	
Pentachloroethane	1	0		5.46	49.21	50			0.485	0.477	1.59	
bis(2-Chloroethyl)ether	1	0		5.48	48.57	50			1.504	1.461	2.86	
Phenol-d5	1	0	S	5.39	53.62	50			1.506	1.615	7.23	
Phenol	1	0	CC	5.41	52.67	50	20		2.097	2.209	5.33	
2-Chlorophenol	1	0		5.52	49.73	50			1.490	1.482	0.54	
N-Decane	1	0		5.55	53.01	50			1.773	1.879	6.02	
1.3-Dichlorobenzene	1	0		5.65	45.90	50			1.631	1.497	8.19	
1.4-Dichlorobenzene	1	0	CC	5.71	45.97	50	20		1.659	1.525	8.07	
1.2-Dichlorobenzene	1	0		5.84	46.44	50			1.571	1.459	7.13	
Benzyl alcohol	1	0		5.82	55.26	50			0.953	1.053	10.52	
bis(2-chloroisopropyl)ether	1	0		5.93	63.90	50			2.210	2.824	27.80	
2-Methylphenol	1	0		5.91	49.76	50			1.458	1.451	0.48	
Acetophenone	1	0		6.03	57.70	50			2.293	2.647	15.40	
Hexachloroethane	1	0		6.11	48.62	50			0.680	0.661	2.77	
N-Nitroso-di-n-propylamine	1	0	CP	6.03	58.56	50	0.05		1.200	1.406	17.12	
3&4-Methylphenol	1	0		6.04	53.42	50			1.537	1.642	6.84	
Naphthalene-d8	1	0	I	6.71	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	6.16	23.77	25			0.158	0.150	4.92	
Nitrobenzene	1	0		6.17	49.69	50			0.425	0.423	0.62	
Isophorone	1	0		6.36	50.75	50			0.778	0.789	1.50	
2-Nitrophenol	1	0	CC	6.42	49.09	50	20		0.199	0.195	1.82	
2.4-Dimethylphenol	1	0		6.45	48.23	50			0.404	0.390	3.53	
Benzoic Acid	1	0		6.55	63.77	50			0.171	0.205	27.54	
bis(2-Chloroethoxy)methane	1	0		6.52	48.18	50			0.452	0.435	3.65	
2.4-Dichlorophenol	1	0	CC	6.61	47.40	50	20		0.295	0.279	5.19	
1.2.4-Trichlorobenzene	1	0		6.67	44.91	50			0.314	0.282	10.17	
Naphthalene	1	0		6.73	44.78	50			1.101	0.986	10.44	
4-Chloroaniline	1	0		6.77	56.22	50			0.377	0.424	12.43	
Hexachlorobutadiene	1	0	CC	6.81	44.09	50	20		0.154	0.136	11.82	
Caprolactam	1	0		7.06	49.67	50			0.136	0.135	0.66	
4-Chloro-3-methylphenol	1	0	CC	7.14	50.51	50	20		0.368	0.372	1.01	
2-Methylnaphthalene	1	0		7.26	47.46	50			0.787	0.747	5.08	
Methylnaphthalenes	1	0		7.26	47.31	50	20			0.745	5.37	
1.1'-Biphenyl	1	0		7.63	49.21	50			1.033	1.017	1.58	
Acenaphthene-d10	1	0	I	8.13	40.00	40				0.000	0.00	
1.2.4.5-Tetrachlorobenzene	1	0		7.39	45.88	50			0.563	0.517	8.25	
Hexachlorocyclopentadiene	1	0	CP	7.37	35.62	50	0.05		0.215	0.147	28.75	
2.4.6-Trichlorophenol	1	0	CC	7.48	46.17	50	20		0.370	0.342	7.66	
2.4.5-Trichlorophenol	1	0		7.52	46.57	50			0.399	0.371	6.86	
2-Fluorobiphenyl	1	0	S	7.54	22.56	25			1.329	1.199	9.77	
2-Chloronaphthalene	1	0		7.65	45.18	50			1.234	1.115	9.65	
1.4-Dimethylnaphthalene	1	0		7.93	48.83	50			1.048	1.023	2.34	
Dimethylnaphthalenes	1	0		7.93	48.83	50	20			1.023	2.34	
Diphenyl Ether	1	0		7.71	49.31	50			0.966	0.953	1.38	
2-Nitroaniline	1	0		7.74	54.30	50			0.569	0.618	8.60	
Coumarin	1	0		7.93	50.49				0.626			
Acenaphthylene	1	0		8.01	45.45	50			2.059	1.872	9.11	
Dimethylphthalate	1	0		7.88	47.88	50			1.473	1.411	4.24	
2.6-Dinitrotoluene	1	0		7.94	48.52	50			0.317	0.308	2.96	
Acenaphthene	1	0	CC	8.16	46.18	50	20		1.325	1.223	7.65	
3-Nitroaniline	1	0		8.09	52.59	50			0.349	0.367	5.18	
2.4-Dinitrophenol	1	0	CP	8.19	59.22	50	0.05		0.125	0.144	18.43	
Dibenzofuran	1	0		8.32	45.47	50			1.776	1.615	9.06	
2.4-Dinitrotoluene	1	0		8.30	50.60	50			0.425	0.430	1.20	
4-Nitrophenol	1	0	CP	8.23	53.26	50	0.05		0.374	0.399	6.53	
2.3.4.6-Tetrachlorophenol	1	0		8.43	48.39	50			0.269	0.260	3.23	
Fluorene	1	0		8.64	47.75	50			1.551	1.482	4.50	
4-Chlorophenyl-phenylether	1	0		8.63	48.05	50			0.653	0.627	3.90	
Diethylphthalate	1	0		8.51	48.77	50			1.633	1.593	2.47	
4-Nitroaniline	1	0		8.66	48.63	50			0.421	0.409	2.74	
Atrazine	1	0		9.28	49.96	50			0.412	0.411	0.08	
Phenanthrene-d10	1	0	I	9.59	40.00	40				0.000	0.00	
4.6-Dinitro-2-methylphenol	1	0		8.69	50.48	50			0.110	0.113	0.96	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 9M38817.D **Instrument:** GCMS 9

Cont Calibration Date/Time 10/26/2011 10:44:00 Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
n-Nitrosodiphenylamine	1	0	CC	8.74	44.77	50	20		0.762	0.682	10.45	
2,4,6-Tribromophenol	1	0	S	8.87	47.24	50			0.061	0.057	5.52	
1,2-Diphenylhydrazine	1	0		8.78	49.78	50			1.075	1.070	0.44	
4-Bromophenyl-phenylether	1	0		9.12	43.46	50			0.180	0.156	13.09	
Hexachlorobenzene	1	0		9.17	44.55	50			0.173	0.154	10.91	
N-Octadecane	1	0		9.44	52.95	50			0.727	0.770	5.91	
Pentachlorophenol	1	0	CC	9.38	43.44	50	20		0.096	0.076	13.12	
Phenanthrene	1	0		9.62	44.16	50			1.229	1.085	11.69	
Anthracene	1	0		9.67	44.49	50			1.235	1.099	11.02	
Carbazole	1	0		9.85	44.74	50			1.225	1.096	10.52	
Di-n-butylphthalate	1	0		10.22	47.05	50			1.648	1.551	5.89	
Fluoranthene	1	0	CC	10.95	45.13	50	20		1.356	1.224	9.74	
Chrysene-d12	1	0	I	12.66	40.00	40				0.000	0.00	
Pyrene	1	0		11.22	45.46	50			1.558	1.416	9.08	
Benzidine	1	0		11.11	55.05	50			0.480	0.603	10.10	
Terphenyl-d14	1	0	S	11.40	23.39	25			0.741	0.694	6.44	
4,4'-DDE	1	0		11.33	48.79				0.280			
4,4'-DDD	1	0		11.73	47.45				0.463			
Butylbenzylphthalate	1	0		11.99	47.04	50			0.864	0.812	5.92	
4,4'-DDT	1	0		12.08	51.79				0.375			
3,3'-Dichlorobenzidine	1	0		12.62	48.12	50			0.338	0.355	3.77	
Benzo[a]anthracene	1	0		12.64	44.65	50			1.236	1.104	10.70	
Chrysene	1	0		12.69	45.77	50			1.092	1.000	8.46	
bis(2-Ethylhexyl)phthalate	1	0		12.68	48.68	50			1.144	1.113	2.64	
Perylene-d12	1	0	I	14.28	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	13.43	49.94	50	20		2.833	2.830	0.12	
Benzo[b]fluoranthene	1	0		13.86	45.80	50			1.424	1.304	8.40	
Benzo[k]fluoranthene	1	0		13.90	45.39	50			1.348	1.224	9.22	
Benzo[a]pyrene	1	0	CC	14.22	44.13	50	20		1.279	1.129	11.75	
Indeno[1,2,3-cd]pyrene	1	0		15.57	43.85	50			1.099	0.873	12.31	
Dibenzo[a,h]anthracene	1	0		15.58	45.87	50			0.900	0.736	8.26	
Benzo[g,h,i]perylene	1	0		15.93	38.76	50			0.856	0.663	22.48	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.787	0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
2,4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	
2,2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Endrin	1	100		0.00	0.00	50				0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			1.048	0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 10M25495.D **Instrument:** GCMS 10

Cont Calibration Date/Time 10/27/2011 8:15:00 Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1.4-Dichlorobenzene-d4	1	0	I	5.61	40.00	40				0.000	0.00	
1.4-Dioxane	1	0		2.33	55.12				0.568			
Pyridine	1	0		2.76	49.95	50			1.405	1.404	0.10	
N-Nitrosodimethylamine	1	0		2.69	49.60	50			0.873	0.866	0.80	
2-Fluorophenol	1	0	S	4.40	47.25	50			1.424	1.346	5.51	
Benzaldehyde	1	0		5.24	34.24	50			0.865	0.637	31.53	
Aniline	1	0		5.33	48.05	50			2.260	2.171	3.90	
Pentachloroethane	1	0		5.37	52.63	50			0.468	0.492	5.25	
bis(2-Chloroethyl)ether	1	0		5.39	50.43	50			1.494	1.507	0.86	
Phenol-d5	1	0	S	5.30	45.98	50			1.561	1.435	8.04	
Phenol	1	0	CC	5.31	52.98	50	20		1.974	2.091	5.95	
2-Chlorophenol	1	0		5.43	50.34	50			1.548	1.558	0.68	
N-Decane	1	0		5.47	51.38	50			1.409	1.448	2.76	
1.3-Dichlorobenzene	1	0		5.56	53.27	50			1.553	1.654	6.53	
1.4-Dichlorobenzene	1	0	CC	5.63	52.40	50	20		1.580	1.656	4.81	
1.2-Dichlorobenzene	1	0		5.75	51.14	50			1.530	1.565	2.29	
Benzyl alcohol	1	0		5.73	48.25	50			1.029	0.993	3.50	
bis(2-chloroisopropyl)ether	1	0		5.84	49.08	50			2.310	2.274	1.84	
2-Methylphenol	1	0		5.82	48.15	50			1.522	1.466	3.69	
Acetophenone	1	0		5.95	48.99	50			2.258	2.213	2.02	
Hexachloroethane	1	0		6.02	54.19	50			0.614	0.665	8.38	
N-Nitroso-di-n-propylamine	1	0	CP	5.95	49.41	50	0.05		1.110	1.097	1.18	
3&4-Methylphenol	1	0		5.95	48.72	50			1.535	1.496	2.56	
Naphthalene-d8	1	0	I	6.62	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	6.07	25.12	25			0.155	0.156	0.46	
Nitrobenzene	1	0		6.08	55.71	50			0.343	0.382	11.42	
Isophorone	1	0		6.27	51.42	50			0.685	0.704	2.83	
2-Nitrophenol	1	0	CC	6.33	52.73	50	20		0.177	0.186	5.45	
2.4-Dimethylphenol	1	0		6.36	54.30	50			0.353	0.383	8.60	
Benzoic Acid	1	0		6.44	37.23	50			0.216	0.133	25.53	
bis(2-Chloroethoxy)methane	1	0		6.43	51.27	50			0.421	0.431	2.54	
2.4-Dichlorophenol	1	0	CC	6.51	52.60	50	20		0.288	0.303	5.19	
1.2.4-Trichlorobenzene	1	0		6.58	54.56	50			0.295	0.322	9.12	
Naphthalene	1	0		6.64	52.48	50			1.085	1.095	4.96	
4-Chloroaniline	1	0		6.68	52.86	50			0.450	0.476	5.71	
Hexachlorobutadiene	1	0	CC	6.72	58.46	50	20		0.139	0.163	16.93	
Caprolactam	1	0		6.95	43.43	50			0.161	0.140	13.13	
4-Chloro-3-methylphenol	1	0	CC	7.04	52.68	50	20		0.343	0.361	5.36	
2-Methylnaphthalene	1	0		7.16	51.57	50			0.746	0.769	3.14	
Methylnaphthalenes	1	0		7.16	51.57	50	20			0.769	3.14	
1.1'-Biphenyl	1	0		7.53	50.63	50			1.008	1.020	1.26	
Acenaphthene-d10	1	0	I	8.02	40.00	40				0.000	0.00	
1.2.4.5-Tetrachlorobenzene	1	0		7.29	55.23	50			0.492	0.543	10.46	
Hexachlorocyclopentadiene	1	0	CP	7.27	52.52	50	0.05		0.209	0.237	5.03	
2.4.6-Trichlorophenol	1	0	CC	7.38	55.62	50	20		0.339	0.377	11.23	
2.4.5-Trichlorophenol	1	0		7.41	56.04	50			0.367	0.411	12.08	
2-Fluorobiphenyl	1	0	S	7.44	26.28	25			1.239	1.302	5.13	
2-Chloronaphthalene	1	0		7.55	54.70	50			1.089	1.191	9.39	
1.4-Dimethylnaphthalene	1	0		7.82	53.17	50			0.884	0.948	6.34	
Dimethylnaphthalenes	1	0		7.82	53.17	50	20			0.948	6.34	
Diphenyl Ether	1	0		7.61	52.87	50			0.844	0.892	5.73	
2-Nitroaniline	1	0		7.63	56.33	50			0.433	0.488	12.67	
Coumarin	1	0		7.81	48.85				0.610			
Acenaphthylene	1	0		7.90	53.46	50			1.919	2.052	6.92	
Dimethylphthalate	1	0		7.78	52.98	50			1.384	1.466	5.95	
2.6-Dinitrotoluene	1	0		7.83	57.85	50			0.270	0.312	15.69	
Acenaphthene	1	0	CC	8.05	53.91	50	20		1.211	1.306	7.81	
3-Nitroaniline	1	0		7.98	52.57	50			0.386	0.406	5.14	
2.4-Dinitrophenol	1	0	CP	8.07	54.53	50	0.05		0.138	0.140	9.05	
Dibenzofuran	1	0		8.20	51.88	50			1.689	1.752	3.76	
2.4-Dinitrotoluene	1	0		8.18	56.19	50			0.393	0.442	12.38	
4-Nitrophenol	1	0	CP	8.11	52.29	50	0.05		0.313	0.328	4.58	
2.3.4.6-Tetrachlorophenol	1	0		8.31	54.99	50			0.290	0.319	9.98	
Fluorene	1	0		8.51	53.96	50			1.401	1.512	7.93	
4-Chlorophenyl-phenylether	1	0		8.51	54.47	50			0.593	0.646	8.95	
Diethylphthalate	1	0		8.39	54.06	50			1.497	1.619	8.12	
4-Nitroaniline	1	0		8.53	52.08	50			0.454	0.473	4.16	
Atrazine	1	0		9.15	50.59	50			0.431	0.436	1.17	
Phenanthrene-d10	1	0	I	9.46	40.00	40				0.000	0.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 10M25495.D **Instrument:** GCMS 10

Cont Calibration Date/Time 10/27/2011 8:15:00 Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
4.6-Dinitro-2-methylphenol	1	0		8.56	54.48	50			0.099	0.108	8.96	
n-Nitrosodiphenylamine	1	0	CC	8.62	53.01	50	20		0.618	0.655	6.03	
2.4.6-Tribromophenol	1	0	S	8.74	55.31	50			0.072	0.080	10.63	
1.2-Diphenylhydrazine	1	0		8.66	51.51	50			0.794	0.818	3.03	
4-Bromophenyl-phenylether	1	0		8.98	54.84	50			0.171	0.187	9.68	
Hexachlorobenzene	1	0		9.04	57.50	50			0.169	0.194	15.01	
N-Octadecane	1	0		9.32	54.51	50			0.501	0.546	9.02	
Pentachlorophenol	1	0	CC	9.25	47.01	50	20		0.103	0.097	5.98	
Phenanthrene	1	0		9.48	52.94	50			1.118	1.184	5.88	
Anthracene	1	0		9.54	53.12	50			1.132	1.203	6.24	
Carbazole	1	0		9.71	52.44	50			1.135	1.191	4.88	
Di-n-butylphthalate	1	0		10.09	54.82	50			1.406	1.541	9.64	
Fluoranthene	1	0	CC	10.80	53.75	50	20		1.229	1.321	7.51	
Chrysene-d12	1	0	I	12.49	40.00	40				0.000	0.00	
Pyrene	1	0		11.06	50.49	50			1.233	1.245	0.97	
Benzidine	1	0		10.96	44.02	50			0.604	0.539	11.96	
Terphenyl-d14	1	0	S	11.25	24.39	25			0.774	0.755	2.43	
4.4'-DDE	1	0		11.18	53.07				0.236			
4.4'-DDD	1	0		11.58	52.93				0.376			
Butylbenzylphthalate	1	0		11.84	50.54	50			0.660	0.667	1.08	
4.4'-DDT	1	0		11.94	54.51				0.312			
3.3'-Dichlorobenzidine	1	0		12.46	44.72	50			0.409	0.396	10.56	
Benzo[a]anthracene	1	0		12.48	50.49	50			1.136	1.147	0.98	
Chrysene	1	0		12.52	51.19	50			1.057	1.082	2.37	
bis(2-Ethylhexyl)phthalate	1	0		12.54	52.82	50			0.862	0.911	5.65	
Perylene-d12	1	0	I	14.09	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	13.29	54.19	50	20		1.687	1.828	8.38	
Benzo[b]fluoranthene	1	0		13.69	52.27	50			1.173	1.226	4.54	
Benzo[k]fluoranthene	1	0		13.72	55.21	50			1.163	1.285	10.42	
Benzo[a]pyrene	1	0	CC	14.03	53.23	50	20		1.155	1.230	6.45	
Indeno[1.2.3-cd]pyrene	1	0		15.30	51.21	50			1.205	1.234	2.42	
Dibenzo[a.h]anthracene	1	0		15.33	51.36	50			0.972	0.998	2.71	
Benzo[g.h.i]perylene	1	0		15.65	48.81	50			1.046	1.021	2.38	
2.2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.746	0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Endrin	1	100		0.00	0.00	50				0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	
2.4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			0.884	0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

FORM8

Internal Standard Areas

Evaluation Std Data File: 10M24990.D Method: EPA 8270C

Analysis Date/Time: 10/04/11 12:37

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	51441	5.70	228356	6.71	136467	8.13	262139	9.58	263233	12.62	251429	14.22
Eval File Area Limit:	25720-102882		114178-456712		68234-272934		131070-524278		131616-526466		125714-502858	
Eval File Rt Limit:	5.2-6.2		6.21-7.21		7.63-8.63		9.08-10.08		12.12-13.12		13.72-14.72	

Data File	Sample												
10M24982.	CAL BNA@2F	48432	5.70	213822	6.71	123049	8.12	239061	9.57	274529	12.61	256912	14.22
10M24983.	CAL BNA@.5	43356	5.70	188062	6.71	110922	8.12	223310	9.57	254136	12.61	238730	14.22
10M24984.	CAL BNA@1C	43155	5.70	187515	6.71	116294	8.12	231650	9.57	261873	12.61	248029	14.22
10M24985.	CAL BNA@2C	44459	5.70	202644	6.71	117654	8.12	235655	9.57	268883	12.62	260051	14.22
10M24986.	CAL BNA@8C	49514	5.70	217866	6.71	126986	8.13	251339	9.58	257291	12.62	245805	14.22
10M24987.	CAL BNA@12	45720	5.70	211293	6.71	129311	8.13	252220	9.58	248786	12.62	247253	14.23
10M24988.	CAL BNA@16	44659	5.71	203640	6.71	123448	8.13	247560	9.58	236179	12.63	236075	14.23
10M24989.	CAL BNA@19	50186	5.71	231413	6.71	138970	8.13	276716	9.58	262160	12.63	264564	14.23
10M24990.	CAL BNA@5C	51441	5.70	228356	6.71	136467	8.13	262139	9.58	263233	12.62	251429	14.22
10M24991.	ICV BNA@50	54521	5.70	234127	6.71	141447	8.13	270799	9.58	283947	12.62	272461	14.22
10M24992.	ICV BNA@50	54258	5.70	233744	6.71	137843	8.12	266824	9.58	280066	12.62	260372	14.23
10M24993.	CLP TEST	44140	5.70	193466	6.71	111526	8.12	228681	9.57	265181	12.61	257182	14.22

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 9M38604.D Method: EPA 8270C

Analysis Date/Time: 10/18/11 09:24

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	94673	5.75	380292	6.77	206641	8.20	346406	9.66	311371	12.71	200796	14.34
Eval File Area Limit:	47336-189346		190146-760584		103320-413282		173203-692812		155686-622742		100398-401592	
Eval File Rt Limit:	5.25-6.25		6.27-7.27		7.7-8.7		9.16-10.16		12.21-13.21		13.84-14.84	

Data File	Sample												
9M38604.D	CAL BNA@50	94673	5.75	380292	6.77	206641	8.20	346406	9.66	311371	12.71	200796	14.34
9M38605.D	CAL BNA@19	55922	5.75	218861	6.77	115590	8.20	193284	9.66	167873	12.72	108508	14.33
9M38606.D	CAL BNA@16	73103	5.75	288615	6.76	151178	8.18	248864	9.65	211213	12.72	131214	14.33
9M38607.D	CAL BNA@12	66694	5.75	257242	6.76	132786	8.18	214214	9.65	180752	12.71	123674	14.33
9M38608.D	CAL BNA@80	91196	5.75	367448	6.76	200679	8.18	333283	9.65	288281	12.71	192565	14.33
9M38609.D	CAL BNA@20	74501	5.75	294717	6.76	160839	8.18	266358	9.64	221275	12.70	153982	14.34
9M38611.D	CAL BNA@10	85643	5.73	341703	6.75	182931	8.17	312255	9.63	276579	12.68	206202	14.30
9M38612.D	CAL BNA@2F	78932	5.73	311057	6.75	165205	8.17	282371	9.63	245078	12.68	188261	14.30
9M38613.D	CAL BNA@.5	76951	5.73	311628	6.75	167166	8.16	281193	9.62	252561	12.68	193667	14.30
9M38615.D	ICV BNA@50	76032	5.73	300544	6.75	156716	8.17	257869	9.63	227418	12.69	156268	14.30

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 10M25482.D Method: EPA 8270C

Analysis Date/Time: 10/25/11 09:28

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	55703	5.62	221855	6.63	115771	8.03	203758	9.47	187978	12.50	158334	14.10
Eval File Area Limit:	27852-111406		110928-443710		57886-231542		101879-407516		93989-375956		79167-316668	
Eval File Rt Limit:	5.12-6.12		6.13-7.13		7.53-8.53		8.97-9.97		12-13		13.6-14.6	

Data File	Sample												
10M25483.	SMB9108	60404	5.62	241380	6.63	128877	8.03	234329	9.47	212717	12.50	177586	14.10
10M25484.	AC62229-003	59113	5.63	209194	6.64	126317	8.03	244572	9.47	255838	12.50	224055	14.10
10M25485.	AC62229-005	41195	5.62	176474	6.63	103458	8.03	208732	9.47	217000	12.50	194067	14.10
10M25486.	AC62229-006	48726	5.62	207573	6.63	118494	8.03	230747	9.47	246312	12.50	220157	14.10
10M25487.	SMB9108(MS.	51089	5.62	220311	6.63	125607	8.03	241944	9.47	249094	12.50	225788	14.10
10M25488.	AC62221-004	45977	5.62	209322	6.63	123805	8.03	245451	9.47	241059	12.50	184679	14.10
10M25489.	AC62221-003	36394	5.62	168809	6.63	103682	8.03	214599	9.47	210997	12.50	158854	14.10
10M25490.	AC62262-001	40611	5.62	185456	6.63	119272	8.03	252410	9.47	284628	12.50	237850	14.10
10M25491.	SMB9112(MS.	36350	5.62	160375	6.63	100093	8.03	215101	9.47	237286	12.50	191753	14.10
10M25492.	SMB9112	41256	5.62	188664	6.63	115691	8.03	240020	9.47	267016	12.50	213334	14.10

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 9M38796.D Method: EPA 8270C

Analysis Date/Time: 10/25/11 12:29

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	64494	5.70	261478	6.72	141006	8.14	228978	9.59	173806	12.65	112199	14.27
Eval File Area Limit:	32247-128988		130739-522956		70503-282012		114489-457956		86903-347612		56100-224398	
Eval File Rt Limit:	5.2-6.2		6.22-7.22		7.64-8.64		9.09-10.09		12.15-13.15		13.77-14.77	

Data File	Sample												
9M38795.D	BNA@50PPM	49986	5.71	212135	6.72	116050	8.14	199359	9.60	155346	12.66	97625	14.27
9M38797.D	SMB9108	54074	5.70	238714	6.71	132899	8.13	229215	9.59	193899	12.65	139747	14.26
9M38798.D	SMB9108(MS.	59013	5.70	251535	6.72	145034	8.14	251317	9.60	211908	12.65	160472	14.26
9M38799.D	AC62136-002	56637	5.70	232127	6.72	191571	8.15	316244	9.62	197037	12.66	160007	14.26
9M38800.D	AC62221-001	63065	5.70	279819	6.71	153631	8.13	247422	9.59	148178	12.65	101680	14.27
9M38801.D	AC62221-002	77903	5.70	303084	6.71	150426	8.13	209680	9.59	147404	12.65	117540	14.27
9M38802.D	AC62105-011(	72017	5.70	287006	6.71	135566	8.13	174285	9.59	184881	12.66	194652	14.30
9M38803.D	AC62127-010(	59940	5.71	264784	6.72	175741	8.15	223306	9.61	121434	12.65	98987	14.26
9M38804.D	AC62127-016(	61113	5.70	249579	6.71	127058	8.13	178864	9.59	119996	12.65	96775	14.27
9M38805.D	AC62229-001(	65838	5.70	259858	6.71	124028	8.13	167937	9.59	114964	12.65	94363	14.27
9M38806.D	AC62090-004(	59077	5.70	229924	6.72	147053	8.15	222217	9.61	222579	12.67	164059	14.29
9M38807.D	AC62136-002(	55299	5.70	196293	6.71	113121	8.14	174323	9.60	120033	12.65	97831	14.26
9M38808.D	AC62136-002(	58125	5.70	202232	6.72	111306	8.14	174048	9.60	118741	12.65	91060	14.26
9M38809.D	AC62136-002(	61729	5.70	221282	6.72	123504	8.14	191745	9.60	129305	12.65	99832	14.26
9M38810.D	AC62090-005	68089	5.70	280947	6.72	113011	8.13	177114	9.59	146632	12.66	127679	14.28
9M38811.D	AC62090-015	24043 A	5.71	317404	6.72	236153	8.15	268741	9.62	227134	12.67	181542	14.29
9M38812.D	AC62229-004	61370	5.71	214180	6.71	108949	8.13	165975	9.59	121496	12.65	104598	14.27
9M38813.D	AC62229-002	113995	5.71	320721	6.72	101727	8.13	157577	9.59	119249	12.65	99337	14.27
9M38814.D	SMB9112	57313	5.70	235219	6.71	117464	8.13	178359	9.59	104033	12.65	84819	14.26
9M38815.D	AC62127-010(	66532	5.71	237013	6.72	127487	8.14	183622	9.60	131645	12.65	105877	14.27

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10
I2 =	Naphthalene-d8	I5 =	Chrysene-d12
I3 =	Acenaphthene-d10	I6 =	Perylene-d12

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
624/8260 Internal Standard concentration = 30ug/L
524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 9M38817.D Method: EPA 8270C

Analysis Date/Time: 10/26/11 10:44

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	89933	5.70	402788	6.71	226176	8.13	407724	9.59	344290	12.66	212093	14.28
Eval File Area Limit:	44966-179866		201394-805576		113088-452352		203862-815448		172145-688580		106046-424186	
Eval File Rt Limit:	5.2-6.2		6.21-7.21		7.63-8.63		9.09-10.09		12.16-13.16		13.78-14.78	

Data File	Sample												
9M38818.D	AC62254-001	100763	5.70	420577	6.71	222089	8.13	341544	9.59	207863	12.64	125728	14.27
9M38819.D	AC62254-002	94318	5.70	407151	6.71	220655	8.13	350681	9.58	247014	12.64	155838	14.27
9M38820.D	TEST	89146	5.70	366872	6.71	203210	8.12	324536	9.58	235368	12.63	150274	14.26
9M38821.D	AC62090-015(	75152	5.70	262088	6.71	137978	8.13	211864	9.59	167943 A	12.64	122752	14.26
9M38822.D	AC62229-002(	83442	5.70	273013	6.71	133572	8.13	217905	9.59	156761 A	12.64	116552	14.25
9M38823.D	AC62254-007	82669	5.70	335336	6.71	167441	8.13	232798	9.58	144246 A	12.64	112581	14.26
9M38824.D	AC62254-008	90322	5.70	367979	6.71	177186	8.13	243981	9.59	149770 A	12.64	120258	14.26
9M38825.D	AC62254-009(	71282	5.70	326020	6.71	192070	8.12	328948	9.58	236062	12.64	162167	14.28
9M38826.D	AC62254-003	66771	5.70	317837	6.70	192748	8.12	331316	9.58	242827	12.64	182916	14.27
9M38827.D	AC62254-004	63884	5.70	279109	6.71	141832	8.13	257206	9.59	232623	12.64	180139	14.27
9M38828.D	AC62254-005	58904	5.69	286098	6.70	173907	8.12	298620	9.58	236122	12.64	174373	14.26
9M38829.D	AC62254-006	57313	5.69	276025	6.71	167511	8.12	296058	9.58	233511	12.64	162036	14.26
9M38830.D	AC62090-015(	68725	5.70	269644	6.71	161810	8.13	284283	9.59	285600	12.65	192784	14.26
9M38831.D	AC62229-002(	70099	5.70	272077	6.71	148818	8.13	262459	9.58	229220	12.64	173779	14.26
9M38832.D	AC62254-007	60263	5.69	297891	6.70	175955	8.12	289646	9.58	246916	12.64	170098	14.26
9M38833.D	AC62254-008	74275	5.70	348914	6.70	197753	8.12	315768	9.58	195710	12.64	131758	14.26
9M38834.D	TEST	90658	5.70	392640	6.71	220074	8.13	356201	9.59	319289	12.66	154432	14.26
9M38835.D	TEST	59205	5.70	266879	6.71	153275	8.13	269921	9.59	267319	12.66	142949	14.26
9M38836.D	TEST	76237	5.70	338412	6.71	201330	8.13	358954	9.59	371078	12.66	175411	14.27
9M38837.D	TEST	77317	5.70	347459	6.71	203096	8.13	351952	9.59	352101	12.66	160465	14.26
9M38838.D	TEST	82181	5.70	369037	6.71	211373	8.13	373060	9.59	360461	12.66	163083	14.26
9M38839.D	TEST	75145	5.70	342129	6.71	199492	8.13	359802	9.59	382969	12.66	180044	14.26

I1 =	1.4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 10M25495.D Method: EPA 8270C

Analysis Date/Time: 10/27/11 08:15

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	40558	5.61	168390	6.62	94885	8.02	186099	9.46	203618	12.49	184943	14.09
Eval File Area Limit:	20279-81116		84195-336780		47442-189770		93050-372198		101809-407236		92472-369886	
Eval File Rt Limit:	5.11-6.11		6.12-7.12		7.52-8.52		8.96-9.96		11.99-12.99		13.59-14.59	

Data File	Sample												
10M25496.	WMB9127	40556	5.61	186425	6.62	109843	8.02	208026	9.46	221062	12.49	197447	14.09
10M25497.	TEST	47567	5.61	212256	6.63	125045	8.02	240131	9.46	236422	12.50	205067	14.09
10M25498.	WMB9127(MS	47403	5.61	205960	6.63	123536	8.02	238026	9.46	237329	12.50	210051	14.09
10M25499.	AC62201-008	41064	5.61	174961	6.62	95656	8.02	190840	9.46	213945	12.49	198361	14.09
10M25500.	AC62201-008(	36173	5.61	159017	6.62	96967	8.02	202861	9.46	216934	12.49	199349	14.09
10M25501.	AC62201-008(	41966	5.62	182355	6.62	109622	8.02	221803	9.46	230641	12.49	211319	14.09
10M25502.	SMB9123(MS.	32516	5.61	144640	6.62	86737	8.02	178694	9.46	204488	12.49	188689	14.09
10M25503.	SMB9123	24709	5.61	114058	6.62	67504	8.02	141370	9.46	179831	12.49	168699	14.09
10M25504.	AC62263-002	34962	5.61	153762	6.62	89360	8.02	183845	9.46	216358	12.49	195772	14.09
10M25505.	AC62263-002(	37360	5.61	193318	6.62	123384	8.02	259573	9.46	277969	12.49	243292	14.09
10M25506.	AC62263-002(	28559	5.61	149566	6.62	97673	8.02	199624	9.46	214250	12.49	189649	14.09
10M25507.	AC62229-007	40896	5.61	188391	6.62	111192	8.02	214547	9.46	213579	12.49	175989	14.09
10M25508.	AC62229-008	45732	5.62	201080	6.62	121659	8.02	220842	9.46	210927	12.49	152801	14.09
10M25509.	AC62294-002	27553	5.61	137175	6.62	91779	8.02	193261	9.46	223522	12.49	203733	14.09
10M25510.	AC62294-003	26682	5.61	133309	6.62	87590	8.02	184112	9.46	219089	12.49	197451	14.09
10M25511.	AC62294-005	29718	5.61	143769	6.62	93748	8.02	200937	9.46	244914	12.49	216538	14.09
10M25512.	SMB9129(MS.	24264	5.61	116777	6.62	79257	8.02	180766	9.46	212126	12.49	196345	14.09
10M25513.	SMB9129	25029	5.61	135369	6.62	92547	8.02	211228	9.46	253760	12.49	234147	14.09
10M25514.	EF-SPLP V-1	45789	5.61	211859	6.62	126165	8.02	260022	9.46	268191	12.49	228995	14.09
10M25515.	AC61997-002(	42212	5.61	201565	6.62	120197	8.02	229671	9.46	245974	12.49	210922	14.09
10M25516.	AC61997-014(	39650	5.61	178108	6.62	106045	8.02	213405	9.46	233905	12.49	207533	14.09
10M25517.	AC62113-008	18539 A	5.61	100138	6.62	71826	8.02	169251	9.46	220497	12.49	220603	14.09
10M25518.	AC62113-008(	20318	5.61	106570	6.62	77407	8.02	182622	9.46	225226	12.49	214047	14.09
10M25519.	AC62113-008(	24635	5.61	117270	6.62	74423	8.02	179603	9.46	229589	12.49	222277	14.09
10M25520.	AC62269-001	28417	5.61	133710	6.62	89961	8.02	195428	9.46	235101	12.49	207630	14.09
10M25521.	AC62269-007	18022 A	5.61	98932	6.62	72456	8.02	175562	9.46	211026	12.49	188943	14.09
10M25522.	AC62254-005(	32487	5.61	149416	6.62	95336	8.02	205574	9.46	220082	12.49	186917	14.09

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	624/8260 Internal Standard concentration = 30ug/L
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

Metal Data

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC62229-001	% Solid:	77	Lab Name:	Veritech	Nras No:	
Client Id:	B-1	Units:	MG/KG	Lab Code:		Sdg No:	
Matrix:	SOIL	Date Rec:	10/21/2011	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	260	8700	1	0.5	50	10/25/11	11490	S13197C3	30	P	PEICPRAD3A
7440-36-0	Antimony	2.6	5.5	1	0.5	50	10/25/11	11490	S13197A3	31	P	PEICP3A
7440-38-2	Arsenic	2.6	50	1	0.5	50	10/25/11	11490	S13197A3	31	P	PEICP3A
7440-39-3	Barium	13	610	1	0.5	50	10/25/11	11490	S13197A3	31	P	PEICP3A
7440-41-7	Beryllium	0.78	ND	1	0.5	50	10/25/11	11490	S13197A3	31	P	PEICP3A
7440-43-9	Cadmium	0.78	3.7	1	0.5	50	10/25/11	11490	S13197A3	31	P	PEICP3A
7440-70-2	Calcium	1300	2800	1	0.5	50	10/25/11	11490	S13197C3	30	P	PEICPRAD3A
7440-47-3	Chromium	6.5	43	1	0.5	50	10/25/11	11490	S13197A3	31	P	PEICP3A
7440-48-4	Cobalt	3.2	12	1	0.5	50	10/25/11	11490	S13197A3	31	P	PEICP3A
7440-50-8	Copper	6.5	190	1	0.5	50	10/25/11	11490	S13197A3	31	P	PEICP3A
7439-89-6	Iron	260	40000	1	0.5	50	10/25/11	11490	S13197C3	30	P	PEICPRAD3A
7439-92-1	Lead	6.5	4200	1	0.5	50	10/25/11	11490	S13197A3	31	P	PEICP3A
7439-95-4	Magnesium	650	3900	1	0.5	50	10/25/11	11490	S13197C3	30	P	PEICPRAD3A
7439-96-5	Manganese	13	890	1	0.5	50	10/25/11	11490	S13197A3	31	P	PEICP3A
7439-97-6	Mercury	0.11	0.55	1	0.15	25	10/25/11	11490	H13197Sb	27	CV	HGCV2A
7440-02-0	Nickel	6.5	29	1	0.5	50	10/25/11	11490	S13197A3	31	P	PEICP3A
7440-09-7	Potassium	650	3400	1	0.5	50	10/25/11	11490	S13197C3	30	P	PEICPRAD3A
7782-49-2	Selenium	2.3	ND	1	0.5	50	10/25/11	11490	S13197A3	31	P	PEICP3A
7440-22-4	Silver	1.9	ND	1	0.5	50	10/27/11	11490	S13197D3	12	P	PEICP3A
7440-23-5	Sodium	320	ND	1	0.5	50	10/25/11	11490	S13197C3	30	P	PEICPRAD3A
7440-28-0	Thallium	1.6	ND	1	0.5	50	10/25/11	11490	S13197A3	31	P	PEICP3A
7440-62-2	Vanadium	13	43	1	0.5	50	10/25/11	11490	S13197A3	31	P	PEICP3A
7440-66-6	Zinc	13	480	1	0.5	50	10/25/11	11490	S13197A3	31	P	PEICP3A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC62229-002	% Solid:	92	Lab Name:	Veritech	Nras No:	
Client Id:	B-2	Units:	MG/KG	Lab Code:		Sdg No:	
Matrix:	SOIL	Date Rec:	10/21/2011	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	220	7900	1	0.5	50	10/25/11	11490	S13197C3	31	P	PEICPRAD3A
7440-36-0	Antimony	2.2	ND	1	0.5	50	10/25/11	11490	S13197A3	32	P	PEICP3A
7440-38-2	Arsenic	2.2	ND	1	0.5	50	10/25/11	11490	S13197A3	32	P	PEICP3A
7440-39-3	Barium	11	87	1	0.5	50	10/25/11	11490	S13197A3	32	P	PEICP3A
7440-41-7	Beryllium	0.65	ND	1	0.5	50	10/25/11	11490	S13197A3	32	P	PEICP3A
7440-43-9	Cadmium	0.65	ND	1	0.5	50	10/25/11	11490	S13197A3	32	P	PEICP3A
7440-70-2	Calcium	1100	5200	1	0.5	50	10/25/11	11490	S13197C3	31	P	PEICPRAD3A
7440-47-3	Chromium	5.4	25	1	0.5	50	10/25/11	11490	S13197A3	32	P	PEICP3A
7440-48-4	Cobalt	2.7	8.1	1	0.5	50	10/25/11	11490	S13197A3	32	P	PEICP3A
7440-50-8	Copper	5.4	23	1	0.5	50	10/25/11	11490	S13197A3	32	P	PEICP3A
7439-89-6	Iron	220	15000	1	0.5	50	10/25/11	11490	S13197C3	31	P	PEICPRAD3A
7439-92-1	Lead	5.4	15	1	0.5	50	10/25/11	11490	S13197A3	32	P	PEICP3A
7439-95-4	Magnesium	540	3400	1	0.5	50	10/25/11	11490	S13197C3	31	P	PEICPRAD3A
7439-96-5	Manganese	11	520	1	0.5	50	10/25/11	11490	S13197A3	32	P	PEICP3A
7439-97-6	Mercury	0.091	0.16	1	0.15	25	10/25/11	11490	H13197Sb	28	CV	HGCV2A
7440-02-0	Nickel	5.4	15	1	0.5	50	10/25/11	11490	S13197A3	32	P	PEICP3A
7440-09-7	Potassium	540	3100	1	0.5	50	10/25/11	11490	S13197C3	31	P	PEICPRAD3A
7782-49-2	Selenium	2.0	ND	1	0.5	50	10/25/11	11490	S13197A3	32	P	PEICP3A
7440-22-4	Silver	1.6	ND	1	0.5	50	10/27/11	11490	S13197D3	13	P	PEICP3A
7440-23-5	Sodium	270	ND	1	0.5	50	10/25/11	11490	S13197C3	31	P	PEICPRAD3A
7440-28-0	Thallium	1.3	ND	1	0.5	50	10/25/11	11490	S13197A3	32	P	PEICP3A
7440-62-2	Vanadium	11	26	1	0.5	50	10/25/11	11490	S13197A3	32	P	PEICP3A
7440-66-6	Zinc	11	42	1	0.5	50	10/25/11	11490	S13197A3	32	P	PEICP3A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC62229-003	% Solid:	88	Lab Name:	Veritech	Nras No:	
Client Id:	B-3	Units:	MG/KG	Lab Code:		Sdg No:	
Matrix:	SOIL	Date Rec:	10/21/2011	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	230	25000	1	0.5	50	10/25/11	11490	S13197C3	32	P	PEICPRAD3A
7440-36-0	Antimony	2.3	ND	1	0.5	50	10/25/11	11490	S13197A3	33	P	PEICP3A
7440-38-2	Arsenic	2.3	3.3	1	0.5	50	10/25/11	11490	S13197A3	33	P	PEICP3A
7440-39-3	Barium	11	530	1	0.5	50	10/25/11	11490	S13197A3	33	P	PEICP3A
7440-41-7	Beryllium	0.68	1.4	1	0.5	50	10/25/11	11490	S13197A3	33	P	PEICP3A
7440-43-9	Cadmium	0.68	ND	1	0.5	50	10/25/11	11490	S13197A3	33	P	PEICP3A
7440-70-2	Calcium	1100	6400	1	0.5	50	10/25/11	11490	S13197C3	32	P	PEICPRAD3A
7440-47-3	Chromium	5.7	470	1	0.5	50	10/25/11	11490	S13197A3	33	P	PEICP3A
7440-48-4	Cobalt	2.8	24	1	0.5	50	10/25/11	11490	S13197A3	33	P	PEICP3A
7440-50-8	Copper	5.7	75	1	0.5	50	10/25/11	11490	S13197A3	33	P	PEICP3A
7439-89-6	Iron	230	34000	1	0.5	50	10/25/11	11490	S13197C3	32	P	PEICPRAD3A
7439-92-1	Lead	5.7	6.4	1	0.5	50	10/25/11	11490	S13197A3	33	P	PEICP3A
7439-95-4	Magnesium	570	25000	1	0.5	50	10/25/11	11490	S13197C3	32	P	PEICPRAD3A
7439-96-5	Manganese	11	720	1	0.5	50	10/25/11	11490	S13197A3	33	P	PEICP3A
7439-97-6	Mercury	0.095	ND	1	0.15	25	10/25/11	11490	H13197Sb	29	CV	HGCV2A
7440-02-0	Nickel	5.7	140	1	0.5	50	10/25/11	11490	S13197A3	33	P	PEICP3A
7440-09-7	Potassium	570	9500	1	0.5	50	10/25/11	11490	S13197C3	32	P	PEICPRAD3A
7782-49-2	Selenium	2.0	ND	1	0.5	50	10/25/11	11490	S13197A3	33	P	PEICP3A
7440-22-4	Silver	1.7	ND	1	0.5	50	10/27/11	11490	S13197D3	14	P	PEICP3A
7440-23-5	Sodium	280	440	1	0.5	50	10/25/11	11490	S13197C3	32	P	PEICPRAD3A
7440-28-0	Thallium	1.4	ND	1	0.5	50	10/25/11	11490	S13197B3	11	P	PEICP3A
7440-62-2	Vanadium	11	56	1	0.5	50	10/25/11	11490	S13197A3	33	P	PEICP3A
7440-66-6	Zinc	11	75	1	0.5	50	10/25/11	11490	S13197A3	33	P	PEICP3A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC62229-004	% Solid:	92	Lab Name:	Veritech	Nras No:	
Client Id:	B-4	Units:	MG/KG	Lab Code:		Sdg No:	
Matrix:	SOIL	Date Rec:	10/21/2011	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	220	14000	1	0.5	50	10/25/11	11490	S13197C3	33	P	PEICPRAD3A
7440-36-0	Antimony	2.2	ND	1	0.5	50	10/25/11	11490	S13197A3	34	P	PEICP3A
7440-38-2	Arsenic	2.2	ND	1	0.5	50	10/25/11	11490	S13197A3	34	P	PEICP3A
7440-39-3	Barium	11	170	1	0.5	50	10/25/11	11490	S13197A3	34	P	PEICP3A
7440-41-7	Beryllium	0.65	ND	1	0.5	50	10/25/11	11490	S13197A3	34	P	PEICP3A
7440-43-9	Cadmium	0.65	ND	1	0.5	50	10/25/11	11490	S13197A3	34	P	PEICP3A
7440-70-2	Calcium	1100	2100	1	0.5	50	10/25/11	11490	S13197C3	33	P	PEICPRAD3A
7440-47-3	Chromium	5.4	34	1	0.5	50	10/25/11	11490	S13197A3	34	P	PEICP3A
7440-48-4	Cobalt	2.7	13	1	0.5	50	10/25/11	11490	S13197A3	34	P	PEICP3A
7440-50-8	Copper	5.4	44	1	0.5	50	10/25/11	11490	S13197A3	34	P	PEICP3A
7439-89-6	Iron	220	27000	1	0.5	50	10/25/11	11490	S13197C3	33	P	PEICPRAD3A
7439-92-1	Lead	5.4	41	1	0.5	50	10/25/11	11490	S13197A3	34	P	PEICP3A
7439-95-4	Magnesium	540	6200	1	0.5	50	10/25/11	11490	S13197C3	33	P	PEICPRAD3A
7439-96-5	Manganese	11	760	1	0.5	50	10/25/11	11490	S13197A3	34	P	PEICP3A
7439-97-6	Mercury	0.091	ND	1	0.15	25	10/25/11	11490	H13197Sb	30	CV	HGCV2A
7440-02-0	Nickel	5.4	24	1	0.5	50	10/25/11	11490	S13197A3	34	P	PEICP3A
7440-09-7	Potassium	540	6900	1	0.5	50	10/25/11	11490	S13197C3	33	P	PEICPRAD3A
7782-49-2	Selenium	2.0	ND	1	0.5	50	10/25/11	11490	S13197A3	34	P	PEICP3A
7440-22-4	Silver	1.6	ND	1	0.5	50	10/27/11	11490	S13197D3	15	P	PEICP3A
7440-23-5	Sodium	270	ND	1	0.5	50	10/25/11	11490	S13197C3	33	P	PEICPRAD3A
7440-28-0	Thallium	1.3	ND	1	0.5	50	10/25/11	11490	S13197A3	34	P	PEICP3A
7440-62-2	Vanadium	11	42	1	0.5	50	10/25/11	11490	S13197A3	34	P	PEICP3A
7440-66-6	Zinc	11	79	1	0.5	50	10/25/11	11490	S13197A3	34	P	PEICP3A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC62229-005	% Solid:	91	Lab Name:	Veritech	Nras No:	
Client Id:	B-5A	Units:	MG/KG	Lab Code:		Sdg No:	
Matrix:	SOIL	Date Rec:	10/21/2011	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	220	14000	1	0.5	50	10/25/11	11490	S13197C3	34	P	PEICPRAD3A
7440-36-0	Antimony	2.2	ND	1	0.5	50	10/25/11	11490	S13197A3	35	P	PEICP3A
7440-38-2	Arsenic	2.2	ND	1	0.5	50	10/25/11	11490	S13197A3	35	P	PEICP3A
7440-39-3	Barium	11	120	1	0.5	50	10/25/11	11490	S13197A3	35	P	PEICP3A
7440-41-7	Beryllium	0.66	ND	1	0.5	50	10/25/11	11490	S13197A3	35	P	PEICP3A
7440-43-9	Cadmium	0.66	ND	1	0.5	50	10/25/11	11490	S13197A3	35	P	PEICP3A
7440-70-2	Calcium	1100	1300	1	0.5	50	10/25/11	11490	S13197C3	34	P	PEICPRAD3A
7440-47-3	Chromium	5.5	39	1	0.5	50	10/25/11	11490	S13197A3	35	P	PEICP3A
7440-48-4	Cobalt	2.7	13	1	0.5	50	10/25/11	11490	S13197A3	35	P	PEICP3A
7440-50-8	Copper	5.5	26	1	0.5	50	10/25/11	11490	S13197A3	35	P	PEICP3A
7439-89-6	Iron	220	20000	1	0.5	50	10/25/11	11490	S13197C3	34	P	PEICPRAD3A
7439-92-1	Lead	5.5	ND	1	0.5	50	10/25/11	11490	S13197A3	35	P	PEICP3A
7439-95-4	Magnesium	550	5000	1	0.5	50	10/25/11	11490	S13197C3	34	P	PEICPRAD3A
7439-96-5	Manganese	11	480	1	0.5	50	10/25/11	11490	S13197A3	35	P	PEICP3A
7439-97-6	Mercury	0.092	ND	1	0.15	25	10/25/11	11490	H13197Sb	31	CV	HGCV2A
7440-02-0	Nickel	5.5	26	1	0.5	50	10/25/11	11490	S13197A3	35	P	PEICP3A
7440-09-7	Potassium	550	4700	1	0.5	50	10/25/11	11490	S13197C3	34	P	PEICPRAD3A
7782-49-2	Selenium	2.0	ND	1	0.5	50	10/25/11	11490	S13197A3	35	P	PEICP3A
7440-22-4	Silver	1.6	ND	1	0.5	50	10/27/11	11490	S13197D3	16	P	PEICP3A
7440-23-5	Sodium	270	ND	1	0.5	50	10/25/11	11490	S13197C3	34	P	PEICPRAD3A
7440-28-0	Thallium	1.3	ND	1	0.5	50	10/25/11	11490	S13197A3	35	P	PEICP3A
7440-62-2	Vanadium	11	41	1	0.5	50	10/25/11	11490	S13197A3	35	P	PEICP3A
7440-66-6	Zinc	11	46	1	0.5	50	10/25/11	11490	S13197A3	35	P	PEICP3A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC62229-006	% Solid:	87	Lab Name:	Veritech	Nras No:	
Client Id:	B-5B	Units:	MG/KG	Lab Code:		Sdg No:	
Matrix:	SOIL	Date Rec:	10/21/2011	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	230	11000	1	0.5	50	10/25/11	11490	S13197C3	35	P	PEICPRAD3A
7440-36-0	Antimony	2.3	ND	1	0.5	50	10/25/11	11490	S13197A3	36	P	PEICP3A
7440-38-2	Arsenic	2.3	ND	1	0.5	50	10/25/11	11490	S13197A3	36	P	PEICP3A
7440-39-3	Barium	11	150	1	0.5	50	10/25/11	11490	S13197A3	36	P	PEICP3A
7440-41-7	Beryllium	0.69	ND	1	0.5	50	10/25/11	11490	S13197A3	36	P	PEICP3A
7440-43-9	Cadmium	0.69	ND	1	0.5	50	10/25/11	11490	S13197A3	36	P	PEICP3A
7440-70-2	Calcium	1100	1900	1	0.5	50	10/25/11	11490	S13197C3	35	P	PEICPRAD3A
7440-47-3	Chromium	5.7	48	1	0.5	50	10/25/11	11490	S13197A3	36	P	PEICP3A
7440-48-4	Cobalt	2.9	12	1	0.5	50	10/25/11	11490	S13197A3	36	P	PEICP3A
7440-50-8	Copper	5.7	29	1	0.5	50	10/25/11	11490	S13197A3	36	P	PEICP3A
7439-89-6	Iron	230	19000	1	0.5	50	10/25/11	11490	S13197C3	35	P	PEICPRAD3A
7439-92-1	Lead	5.7	ND	1	0.5	50	10/25/11	11490	S13197A3	36	P	PEICP3A
7439-95-4	Magnesium	570	5600	1	0.5	50	10/25/11	11490	S13197C3	35	P	PEICPRAD3A
7439-96-5	Manganese	11	220	1	0.5	50	10/25/11	11490	S13197A3	36	P	PEICP3A
7439-97-6	Mercury	0.096	ND	1	0.15	25	10/25/11	11490	H13197Sb	32	CV	HGCV2A
7440-02-0	Nickel	5.7	26	1	0.5	50	10/25/11	11490	S13197A3	36	P	PEICP3A
7440-09-7	Potassium	570	4500	1	0.5	50	10/25/11	11490	S13197C3	35	P	PEICPRAD3A
7782-49-2	Selenium	2.1	ND	1	0.5	50	10/25/11	11490	S13197A3	36	P	PEICP3A
7440-22-4	Silver	1.7	ND	1	0.5	50	10/27/11	11490	S13197D3	19	P	PEICP3A
7440-23-5	Sodium	290	ND	1	0.5	50	10/25/11	11490	S13197C3	35	P	PEICPRAD3A
7440-28-0	Thallium	1.4	ND	1	0.5	50	10/25/11	11490	S13197A3	36	P	PEICP3A
7440-62-2	Vanadium	11	38	1	0.5	50	10/25/11	11490	S13197A3	36	P	PEICP3A
7440-66-6	Zinc	11	41	1	0.5	50	10/25/11	11490	S13197A3	36	P	PEICP3A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID: MB 11490 (100) % Solid: 0 Lab Name: Veritech
Client Id: MB 11490 (100) Units: MG/KG Lab Code:
Matrix: SOIL
Level: LOW

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	200	ND	1	0.5	50	10/25/11	11490	S13197C3	10	P	PEICPRAD3A
7440-36-0	Antimony	2.0	ND	1	0.5	50	10/25/11	11490	S13197A3	11	P	PEICP3A
7440-38-2	Arsenic	2.0	ND	1	0.5	50	10/25/11	11490	S13197A3	11	P	PEICP3A
7440-39-3	Barium	10	ND	1	0.5	50	10/25/11	11490	S13197A3	11	P	PEICP3A
7440-41-7	Beryllium	0.60	ND	1	0.5	50	10/25/11	11490	S13197A3	11	P	PEICP3A
7440-43-9	Cadmium	0.60	ND	1	0.5	50	10/25/11	11490	S13197A3	11	P	PEICP3A
7440-70-2	Calcium	1000	ND	1	0.5	50	10/25/11	11490	S13197C3	10	P	PEICPRAD3A
7440-47-3	Chromium	5.0	ND	1	0.5	50	10/25/11	11490	S13197A3	11	P	PEICP3A
7440-48-4	Cobalt	2.5	ND	1	0.5	50	10/25/11	11490	S13197A3	11	P	PEICP3A
7440-50-8	Copper	5.0	ND	1	0.5	50	10/25/11	11490	S13197A3	11	P	PEICP3A
7439-89-6	Iron	200	ND	1	0.5	50	10/25/11	11490	S13197C3	10	P	PEICPRAD3A
7439-92-1	Lead	5.0	ND	1	0.5	50	10/25/11	11490	S13197A3	11	P	PEICP3A
7439-95-4	Magnesium	500	ND	1	0.5	50	10/25/11	11490	S13197C3	10	P	PEICPRAD3A
7439-96-5	Manganese	10	ND	1	0.5	50	10/25/11	11490	S13197A3	11	P	PEICP3A
7439-98-7	Molybdenum	2.5	ND	1	0.5	50	10/25/11	11490	S13197A3	11	P	PEICP3A
7440-02-0	Nickel	5.0	ND	1	0.5	50	10/25/11	11490	S13197A3	11	P	PEICP3A
7440-09-7	Potassium	500	ND	1	0.5	50	10/25/11	11490	S13197C3	10	P	PEICPRAD3A
7782-49-2	Selenium	1.8	ND	1	0.5	50	10/25/11	11490	S13197A3	11	P	PEICP3A
7440-22-4	Silver	1.5	ND	1	0.5	50	10/25/11	11490	S13197A3	11	P	PEICP3A
7440-23-5	Sodium	250	ND	1	0.5	50	10/25/11	11490	S13197C3	10	P	PEICPRAD3A
7440-28-0	Thallium	1.2	ND	1	0.5	50	10/25/11	11490	S13197A3	11	P	PEICP3A
7440-31-5	Tin	5.7	ND	1	0.5	50	10/25/11	11490	S13197A3	11	P	PEICP3A
7440-32-6	Titanium	35	ND	1	0.5	50	10/25/11	11490	S13197A3	11	P	PEICP3A
7440-62-2	Vanadium	10	ND	1	0.5	50	10/25/11	11490	S13197A3	11	P	PEICP3A
7440-66-6	Zinc	10	ND	1	0.5	50	10/25/11	11490	S13197A3	11	P	PEICP3A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID: MB 11490 (167) % Solid: 0 Lab Name: Veritech
Client Id: MB 11490 (167) Units: MG/KG Lab Code:
Matrix: SOIL
Level: LOW

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7439-97-6	Mercury	0.083	ND	1	0.15	25	10/25/11	11490	H13197Sb	11	CV	HGCV2A

Comments:

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

FORM 2
(ICV/CCV Summary)

Date Analyzed: 10/25/11
Data File: H13197Sb
Prep Batch: 11490
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: HGCV2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1102107

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

Analyte	ICV/CCV Amt	ICV (2)-9	Rec	CCV-21	Rec	CCV-33	Rec	CCV-43	Rec		Rec		Rec		Rec		Rec
Mercury	20/10	19.93000	100	10.02000	100	9.99200	100	10.13000	101								

Notes:
a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits:
ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-110

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 2
(ICV/CCV Summary)

Date Analyzed: 10/25/11
Data File: S13197A3
Prep Batch: 11490
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1102107

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

Analyte	ICV/CCV Amt	ICV (2) V-126492-7	Rec	CCV V-126490-19	Rec	CCV V-126490-29	Rec	CCV V-126490-38	Rec	CCV V-126490-50	Rec		Rec		Rec		Rec
Antimony	1/.5	1.00622	101	0.50789	102	0.50578	101	0.50581	101	0.50407	101						
Arsenic	1/.5	0.99524	100	0.49415	99	0.49647	99	0.49772	100	0.49522	99						
Barium	1/.5	1.00079	100	0.50585	101	0.51037	102	0.51131	102	0.50963	102						
Beryllium	1/.5	0.98529	99	0.49748	99	0.49792	100	0.49792	100	0.49679	99						
Cadmium	1/.5	0.99863	100	0.49459	99	0.49904	100	0.49863	100	0.49325	99						
Chromium	1/.5	0.98985	99	0.49614	99	0.50211	100	0.50343	101	0.50260	101						
Cobalt	1/.5	1.00166	100	0.50464	101	0.51021	102	0.51032	102	0.50378	101						
Copper	1/.5	1.00263	100	0.50379	101	0.50726	101	0.51019	102	0.50448	101						
Lead	1/.5	0.99095	99	0.50615	101	0.50895	102	0.51176	102	0.50508	101						
Manganese	1/.5	0.98693	99	0.49586	99	0.50087	100	0.50251	101	0.50270	101						
Molybdenum	1/.5	1.00154	100	0.50752	102	0.51336	103	0.51368	103	0.50846	102						
Nickel	1/.5	0.99896	100	0.50492	101	0.50926	102	0.51080	102	0.51015	102						
Selenium	1/.5	1.00557	101	0.50311	101	0.50973	102	0.50896	102	0.50323	101						
Silver	0.2/0.1	0.20240	101	0.09945	99	0.10087	101	0.10102	101	0.10087	101						
Thallium	1/.5	1.03890	104	0.52904	106	0.53776	108	0.53521	107	0.52731	105						
Vanadium	1/.5	0.97443	97	0.49600	99	0.50166	100	0.50269	101	0.49924	100						
Zinc	1/.5	0.98963	99	0.49574	99	0.50105	100	0.50291	101	0.50573	101						

Notes:
a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits:
ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-110

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 2
(ICV/CCV Summary)

Date Analyzed: 10/25/11
Data File: S13197B3
Prep Batch: 11490
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1102107

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

Analyte	ICV/CCV Amt	ICV (2) V-126492-7	Rec	CCV V-126490-14	Rec		Rec		Rec		Rec		Rec		Rec		Rec
Thallium	1/.5	1.03470	103	0.53949	108												

Notes: a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits: ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-110

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 2
(ICV/CCV Summary)

Date Analyzed: 10/25/11
Data File: S13197C3
Prep Batch: 11490
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICPRAD3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1102107

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

Analyte	ICV/CCV Amt	ICV (2) V-126492-6	Rec	CCV V-126490-18	Rec	CCV V-126490-28	Rec	CCV V-126490-40	Rec		Rec		Rec		Rec		Rec
Aluminum	10/5	9.84357	98	5.03406	101	5.04412	101	4.97671	100								
Calcium	100/50	97.58260	98	50.03270	100	50.16970	100	49.82810	100								
Iron	10/5	9.75540	98	4.99170	100	4.96856	99	4.89818	98								
Magnesium	100/50	97.85220	98	50.17910	100	50.00370	100	49.41820	99								
Potassium	100/50	98.33280	98	50.12550	100	50.26580	101	49.93450	100								
Sodium	100/50	97.47430	97	49.84620	100	49.94350	100	49.65810	99								

Notes:
a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits:
ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-110

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 2
(ICV/CCV Summary)

Date Analyzed: 10/27/11
Data File: S13197D3
Prep Batch: 11490
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1102107

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

Analyte	ICV/CCV Amt	ICV (2) V-126492-7	Rec	CCV V-126491-17	Rec	CCV V-126491-28	Rec		Rec		Rec		Rec		Rec		Rec
Silver	0.2/0.1	0.20496	102	0.10494	105	0.10859	109										

Notes:
a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits:
ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-110

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 10/25/11
Data File: H13197Sb
Prep Batch: 11490
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: HGCV2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1102107

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB-10	CCB-22	CCB-34	CCB-44	MB 11490 (167)-11			
Mercury	.5 U	.5 U	.5 U	.5 U	83 U			

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 10/25/11
Data File: S13197A3
Prep Batch: 11490
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1102107

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-126500-8	CCB V-126500-20	CCB V-126500-30	CCB V-126500-39	CCB V-126500-51	MB 11490 (100)-11		
Antimony	.02 U	.02 U	.02 U	.02 U	.02 U	2U		
Arsenic	.02 U	.02 U	.02 U	.02 U	.02 U	2U		
Barium	.1 U	.1 U	.1 U	.1 U	.1 U	10U		
Beryllium	.006 U	.006 U	.006 U	.006 U	.006 U	.6U		
Cadmium	.006 U	.006 U	.006 U	.006 U	.006 U	.6U		
Chromium	.05 U	.05 U	.05 U	.05 U	.05 U	5U		
Cobalt	.025 U	.025 U	.025 U	.025 U	.025 U	2.5U		
Copper	.05 U	.05 U	.05 U	.05 U	.05 U	5U		
Lead	.05 U	.05 U	.05 U	.05 U	.05 U	5U		
Manganese	.1 U	.1 U	.1 U	.1 U	.1 U	10U		
Molybdenum	.025 U	.025 U	.025 U	.025 U	.025 U	2.5U		
Nickel	.05 U	.05 U	.05 U	.05 U	.05 U	5U		
Selenium	.018 U	.018 U	.018 U	.018 U	.018 U	1.8U		
Silver	.015 U	.015 U	.015 U	.015 U	.015 U	1.5U		
Thallium	.012 U	.012 U	.012 U	.012 U	.012 U	1.2U		
Vanadium	.1 U	.1 U	.1 U	.1 U	.1 U	10U		
Zinc	.1 U	.1 U	.1 U	.1 U	.1 U	10U		

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 10/25/11
Data File: S13197B3
Prep Batch: 11490
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1102107

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-126500-8	CCB V-126500-15						
Thallium	.012 U	.012 U						

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 10/25/11
Data File: S13197C3
Prep Batch: 11490
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICPRAD3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1102107

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-126500-7	CCB V-126500-19	CCB V-126500-29	CCB V-126500-41	MB 11490 (100)-10			
Aluminum	2 U	2 U	2 U	2 U	200 U			
Calcium	10 U	10 U	10 U	10 U	1000 U			
Iron	2 U	2 U	2 U	2 U	200 U			
Magnesium	5 U	5 U	5 U	5 U	500 U			
Potassium	5 U	5 U	5 U	5 U	500 U			
Sodium	2.5 U	2.5 U	2.5 U	2.5 U	250 U			

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 10/27/11
Data File: S13197D3
Prep Batch: 11490
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1102107

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-126500-8	CCB V-126500-18	CCB V-126500-29					
Silver	.015 U	.015 U	.015 U					

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 4
(ICSA/ICSAB Summary)

Date Analyzed: 10/25/11
Data File: S13197A3
Prep Batch: 11490
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1102107

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICSA/ICSAB: SOURCE: VHG LABS

Analyte	Spk Amt	ICSA V-125529-9	Rec	ICSAB V-126496-10	Rec	ICSA V-125529-27	Rec	ICSAB V-126496-28	Rec	ICSA V-125529-48	Rec	ICSAB V-126496-49	Rec		Rec		Rec
Aluminum	500	485.4	97	489.75900	98	484.489	97	487.11200	97	495.219	99	484.82100	97				
Antimony	1	U		1.04947	105	U		1.02795	103	U		1.05095	105				
Arsenic	1	U		1.04074	104	U		1.02430	102	U		1.04710	105				
Barium	.5	U		0.52669	105	U		0.52077	104	U		0.52277	105				
Beryllium	.5	U		0.50962	102	U		0.50295	101	U		0.50437	101				
Cadmium	1	U		1.02093	102	U		1.00860	101	U		1.01867	102				
Calcium	500	477.783	96	480.85200	96	477.708	96	483.43600	97	485.878	97	475.14000	95				
Chromium	.5	U		0.48660	97	U		0.48153	96	U		0.48388	97				
Cobalt	.5	U		0.48270	97	U		0.47704	95	U		0.48140	96				
Copper	.5	U		0.52844	106	U		0.52280	105	U		0.52039	104				
Iron	200	183.114	92	185.93600	93	184.014	92	183.79300	92	186.498	93	184.38300	92				
Lead	1	U		0.96652	97	U		0.94907	95	U		0.97315	97				
Magnesium	500	507.081	101	512.36900	102	504.14	101	506.32200	101	519.794	104	508.38700	102				
Manganese	.5	U		0.49340	99	U		0.48780	98	U		0.48942	98				
Nickel	1	U		0.94006	94	U		0.92661	93	U		0.93853	94				
Selenium	1	U		1.01567	102	U		1.02525	103	U		1.02239	102				
Silver	1	.0241887b		1.09867	110	.024507b		1.08935	109	.0259547b		1.09484	109				
Thallium	1	U		0.94609	95	U		0.96653	97	U		0.96632	97				
Vanadium	.5	U		0.44144	88	U		0.43718	87	U		0.43747	87				
Zinc	1	U		0.96938	97	U		0.95704	96	U		0.97352	97				

Notes: a-indicates absolute value of the concentration > 2 * Reporting Limits In the ICSA
b-indicates absolute value of the concentration above Reporting Limits but < 2 * Reporting Limits in the ICSA
c-indicates the recovery failed the Qc Criteria in the ICSAB
u-indicates the absolute value of the concentration was below the reporting limit

FORM 4
(ICSA/ICSAB Summary)

Date Analyzed: 10/25/11
Data File: S13197B3
Prep Batch: 11490
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1102107

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICSA/ICSAB: SOURCE: VHG LABS

Analyte	Spk Amt	ICSA V-125529-9	Rec	ICSAB V-126496-10	Rec	ICSA V-125529-12	Rec	ICSAB V-126496-13	Rec	Rec	Rec	Rec	Rec
Aluminum	500	483.154	97	486.56700	97	485.178	97	483.91600	97				
Calcium	500	476.488	95	480.85800	96	475.358	95	476.32200	95				
Iron	200	184.356	92	185.60900	93	183.522	92	184.14000	92				
Magnesium	500	504.341	101	507.73100	102	507.78	102	505.45600	101				
Thallium	1	U		0.96373	96	U		0.94359	94				

Notes: a-indicates absolute value of the concentration > 2 * Reporting Limits In the ICSA
b-indicates absolute value of the concentration above Reporting Limits but < 2 * Reporting Limits in the ICSA
c-indicates the recovery failed the Qc Criteria in the ICSAB
u-indicates the absolute value of the concentration was below the reporting limit

FORM 4
(ICSA/ICSAB Summary)

Date Analyzed: 10/25/11
Data File: S13197C3
Prep Batch: 11490
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICPRAD3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1102107

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICSA/ICSAB: SOURCE: VHG LABS

Analyte	Spk Amt	ICSA V-125528-8	Rec	ICSAB V-126496-9	Rec	ICSA V-125528-26	Rec	ICSAB V-126496-27	Rec	ICSA V-125528-38	Rec	ICSAB V-126496-39	Rec		Rec		Rec
Aluminum	500	486.863	97	496.59400	99	494.795	99	500.96900	100	485.569	97	497.62200	100				
Calcium	500	483.379	97	493.34400	99	490.581	98	497.28900	99	480.868	96	492.40300	98				
Iron	200	185.006	93	188.95700	94	187.732	94	190.42500	95	183.883	92	188.48000	94				
Magnesium	500	490.259	98	500.33500	100	497.134	99	504.21900	101	486.718	97	498.25000	100				

Notes: a-indicates absolute value of the concentration > 2 * Reporting Limits In the ICSA
b-indicates absolute value of the concentration above Reporting Limits but < 2 * Reporting Limits in the ICSA
c-indicates the recovery failed the Qc Criteria in the ICSAB
u-indicates the absolute value of the concentration was below the reporting limit

FORM 4
(ICSA/ICSAB Summary)

Date Analyzed: 10/27/11
Data File: S13197D3
Prep Batch: 11490
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1102107

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICSA/ICSAB: SOURCE: VHG LABS

Analyte	Spk Amt	ICSA V-126494-9	Rec	ICSAB V-126496-10	Rec	ICSA V-126494-26	Rec	ICSAB V-126496-27	Rec	Rec	Rec	Rec	Rec
Aluminum	500	495.321	99	493.58400	99	501.796	100	495.86000	99				
Calcium	500	481.533	96	477.64100	96	466.089	93	459.74700	92				
Iron	200	187.45	94	187.55400	94	187.554	94	188.14300	94				
Magnesium	500	513.458	103	512.12000	102	520.039	104	512.79600	103				
Silver	1	U		1.10496	110	U		1.14960	115				

Notes: a-indicates absolute value of the concentration > 2 * Reporting Limits In the ICSA
b-indicates absolute value of the concentration above Reporting Limits but < 2 * Reporting Limits in the ICSA
c-indicates the recovery failed the Qc Criteria in the ICSAB
u-indicates the absolute value of the concentration was below the reporting limit

FORM5/FORM7

SPIKE RECOVERY DATA

PREP BATCH: 11490

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR Matrix: SOIL SampleID: LCS 11490 MR

Analyte	BatchId	DF	Data File	Seq#:	Spk Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Aluminum	11490	1	S13197C3	12	63.7730	106	60		42	158
Antimony	11490	1	S13197A3	13	1.1168	1.20	93		1.7	224
Arsenic	11490	1	S13197A3	13	1.1004	1.24	89		78	122
Barium	11490	1	S13197A3	13	2.7565	3.16	87		80	120
Beryllium	11490	1	S13197A3	13	0.8233	0.95	87		80	120
Cadmium	11490	1	S13197A3	13	1.0335	1.16	89		81	119
Calcium	11490	1	S13197C3	12	96.1294	109	88		79	121
Chromium	11490	1	S13197A3	13	0.8011	0.959	84		77	123
Cobalt	11490	1	S13197A3	13	1.2667	1.38	92		80	119
Copper	11490	1	S13197A3	13	0.7673	0.828	93		78	122
Iron	11490	1	S13197C3	12	144.6460	182	79		51	149
Lead	11490	1	S13197A3	13	1.2144	1.37	89		77	123
Magnesium	11490	1	S13197C3	12	23.9704	30.4	79		64	136
Manganese	11490	1	S13197A3	13	4.8418	5.78	84		78	122
Mercury	11490	5	H13197Sb	15	16.1800	91.02	89		72	128
Nickel	11490	1	S13197A3	13	1.0939	1.21	90		80	120
Potassium	11490	1	S13197C3	12	14.7664	18.7	79		69	131
Selenium	11490	1	S13197A3	13	1.8180	2.02	90		77	123
Silver	11490	1	S13197A3	13	0.4882	0.535	91		66	134
Sodium	11490	1	S13197C3	12	6.1741	7.26	85		71	129
Thallium	11490	1	S13197A3	13	2.0508	2.31	89		75	124
Vanadium	11490	1	S13197A3	13	0.8644	1.04	83		76	124
Zinc	11490	1	S13197A3	13	2.4650	2.75	90		79	121

TxtQcType: LCS Matrix: SOIL SampleID: LCS 11490

Analyte	BatchId	DF	Data File	Seq#:	Spk Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Aluminum	11490	1	S13197C3	11	64.2140	106	61		42	158
Antimony	11490	1	S13197A3	12	1.0967	1.20	91		1.7	224
Arsenic	11490	1	S13197A3	12	1.0893	1.24	88		78	122
Barium	11490	1	S13197A3	12	2.8314	3.16	90		80	120
Beryllium	11490	1	S13197A3	12	0.8212	0.95	86		80	120
Cadmium	11490	1	S13197A3	12	1.0142	1.16	87		81	119
Calcium	11490	1	S13197C3	11	94.4437	109	87		79	121
Chromium	11490	1	S13197A3	12	0.8142	0.959	85		77	123
Cobalt	11490	1	S13197A3	12	1.2930	1.38	94		80	119
Copper	11490	1	S13197A3	12	0.7753	0.828	94		78	122
Iron	11490	1	S13197C3	11	149.3970	182	82		51	149
Lead	11490	1	S13197A3	12	1.2111	1.37	88		77	123
Magnesium	11490	1	S13197C3	11	24.4745	30.4	81		64	136
Manganese	11490	1	S13197A3	12	5.2005	5.78	90		78	122
Mercury	11490	5	H13197Sb	14	16.1600	91.02	89		72	128
Nickel	11490	1	S13197A3	12	1.0914	1.21	90		80	120
Potassium	11490	1	S13197C3	11	14.8244	18.7	79		69	131
Selenium	11490	1	S13197A3	12	1.7901	2.02	89		77	123
Silver	11490	1	S13197A3	12	0.5001	0.535	93		66	134
Sodium	11490	1	S13197C3	11	6.2232	7.26	86		71	129
Thallium	11490	1	S13197A3	12	2.0905	2.31	90		75	124
Vanadium	11490	1	S13197A3	12	0.8672	1.04	83		76	124
Zinc	11490	1	S13197A3	12	2.4623	2.75	90		79	121

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

FORM5/FORM7

SPIKE RECOVERY DATA

PREP BATCH: 11490

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: MSD Matrix: SOIL SampleID: AC62090-004

Analyte	BatchId	DF	Data File	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Aluminum	11490	1	S13197C3	16	S13197C3	13	49.8801	43.3237	5	131	b	75	125
Antimony	11490	1	S13197A3	17	S13197A3	14	0.3900	0.02U	0.5	78		75	125
Arsenic	11490	1	S13197A3	17	S13197A3	14	0.4759	0.02U	0.5	95		75	125
Barium	11490	1	S13197A3	17	S13197A3	14	0.6517	0.2089	0.5	89		75	125
Beryllium	11490	1	S13197A3	17	S13197A3	14	0.4633	0.006U	.5	93		75	125
Cadmium	11490	1	S13197A3	17	S13197A3	14	0.4620	0.006U	0.5	92		75	125
Calcium	11490	1	S13197C3	16	S13197C3	13	51.9861	10U	50	104		75	125
Chromium	11490	1	S13197A3	17	S13197A3	14	0.5283	0.0827	0.5	89		75	125
Cobalt	11490	1	S13197A3	17	S13197A3	14	0.4993	0.0261	.5	95		75	125
Copper	11490	1	S13197A3	17	S13197A3	14	0.5212	0.0660	0.5	91		75	125
Iron	11490	1	S13197C3	16	S13197C3	13	107.1610	109.4010	5	-45	b	75	125
Lead	11490	1	S13197A3	17	S13197A3	14	0.8486	0.4915	0.5	71	a	75	125
Magnesium	11490	1	S13197C3	16	S13197C3	13	55.8987	8.8485	50	94		75	125
Manganese	11490	1	S13197A3	17	S13197A3	14	0.9130	0.5902	0.5	65	a	75	125
Mercury	11490	1	H13197Sb	19	H13197Sb	16	10.1400	.5U	10	101		75	125
Nickel	11490	1	S13197A3	17	S13197A3	14	0.5430	0.0895	0.5	91		75	125
Potassium	11490	1	S13197C3	16	S13197C3	13	49.8253	5U	50	100		75	125
Selenium	11490	1	S13197A3	17	S13197A3	14	0.4611	0.018U	0.5	92		75	125
Silver	11490	1	S13197A3	17	S13197A3	14	0.1049	0.015U	.1	105		75	125
Sodium	11490	1	S13197C3	16	S13197C3	13	49.0286	2.5U	50	98		75	125
Thallium	11490	1	S13197A3	17	S13197A3	14	0.4857	0.012U	0.5	97		75	125
Vanadium	11490	1	S13197A3	17	S13197A3	14	0.5511	0.1U	0.5	110		75	125
Zinc	11490	1	S13197A3	17	S13197A3	14	0.7949	0.4362	0.5	72	a	75	125

TxtQcType: MS Matrix: SOIL SampleID: AC62090-004

Analyte	BatchId	DF	Data File	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Aluminum	11490	1	S13197C3	15	S13197C3	13	53.7487	43.3237	5.000	208	b	75	125
Antimony	11490	1	S13197A3	16	S13197A3	14	0.3917	0.02U	0.5	78		75	125
Arsenic	11490	1	S13197A3	16	S13197A3	14	0.4845	0.02U	0.5	97		75	125
Barium	11490	1	S13197A3	16	S13197A3	14	0.6813	0.2089	0.5	94		75	125
Beryllium	11490	1	S13197A3	16	S13197A3	14	0.4720	0.006U	.5	94		75	125
Cadmium	11490	1	S13197A3	16	S13197A3	14	0.4728	0.006U	0.5	95		75	125
Calcium	11490	1	S13197C3	15	S13197C3	13	52.6086	10U	50.000	105		75	125
Chromium	11490	1	S13197A3	16	S13197A3	14	0.5446	0.0827	0.5	92		75	125
Cobalt	11490	1	S13197A3	16	S13197A3	14	0.5130	0.0261	.5	97		75	125
Copper	11490	1	S13197A3	16	S13197A3	14	0.5342	0.0660	0.5	94		75	125
Iron	11490	1	S13197C3	15	S13197C3	13	98.7585	109.4010	5.000	-210	b	75	125
Lead	11490	1	S13197A3	16	S13197A3	14	0.9105	0.4915	0.5	84		75	125
Magnesium	11490	1	S13197C3	15	S13197C3	13	57.3683	8.8485	50.000	97		75	125
Manganese	11490	1	S13197A3	16	S13197A3	14	0.9768	0.5902	0.5	77		75	125
Mercury	11490	1	H13197Sb	18	H13197Sb	16	10.0600	.5U	10	101		75	125
Nickel	11490	1	S13197A3	16	S13197A3	14	0.5634	0.0895	0.5	95		75	125
Potassium	11490	1	S13197C3	15	S13197C3	13	50.5614	5U	50	101		75	125
Selenium	11490	1	S13197A3	16	S13197A3	14	0.4678	0.018U	0.5	94		75	125
Silver	11490	1	S13197A3	16	S13197A3	14	0.1053	0.015U	.1	105		75	125
Sodium	11490	1	S13197C3	15	S13197C3	13	49.2411	2.5U	50.00	98		75	125
Thallium	11490	1	S13197A3	16	S13197A3	14	0.4930	0.012U	0.5	99		75	125
Vanadium	11490	1	S13197A3	16	S13197A3	14	0.5672	0.1U	0.5	113		75	125
Zinc	11490	1	S13197A3	16	S13197A3	14	0.8949	0.4362	0.5	92		75	125

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

FORM6/FORM9

RPD/%Difference Data

PREP BATCH: 11490

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: MSD Matrix: SOIL SampleID: AC62090-004

Analyte	BatchId	Data File	Seq#:	MS File	Seq#	Result 1	Result 2	RPD	Limit
Aluminum	11490	S13197C3	16	S13197C3	15	49.8801	53.7487	7.5	20
Antimony	11490	S13197A3	17	S13197A3	16	0.3900	0.3917	.44	20
Arsenic	11490	S13197A3	17	S13197A3	16	0.4759	0.4845	1.8	20
Barium	11490	S13197A3	17	S13197A3	16	0.6517	0.6813	4.4	20
Beryllium	11490	S13197A3	17	S13197A3	16	0.4633	0.4720	1.9	20
Cadmium	11490	S13197A3	17	S13197A3	16	0.4620	0.4728	2.3	20
Calcium	11490	S13197C3	16	S13197C3	15	51.9861	52.6086	1.2	20
Chromium	11490	S13197A3	17	S13197A3	16	0.5283	0.5446	3	20
Cobalt	11490	S13197A3	17	S13197A3	16	0.4993	0.5130	2.7	20
Copper	11490	S13197A3	17	S13197A3	16	0.5212	0.5342	2.5	20
Iron	11490	S13197C3	16	S13197C3	15	107.1610	98.7585	8.2	20
Lead	11490	S13197A3	17	S13197A3	16	0.8486	0.9105	7	20
Magnesium	11490	S13197C3	16	S13197C3	15	55.8987	57.3683	2.6	20
Manganese	11490	S13197A3	17	S13197A3	16	0.9130	0.9768	6.8	20
Mercury	11490	H13197Sb	19	H13197Sb	18	10.1400	10.0600	.79	20
Nickel	11490	S13197A3	17	S13197A3	16	0.5430	0.5634	3.7	20
Potassium	11490	S13197C3	16	S13197C3	15	49.8253	50.5614	1.5	20
Selenium	11490	S13197A3	17	S13197A3	16	0.4611	0.4678	1.4	20
Silver	11490	S13197A3	17	S13197A3	16	0.1049	0.1053	.42	20
Sodium	11490	S13197C3	16	S13197C3	15	49.0286	49.2411	.43	20
Thallium	11490	S13197A3	17	S13197A3	16	0.4857	0.4930	1.5	20
Vanadium	11490	S13197A3	17	S13197A3	16	0.5511	0.5672	2.9	20
Zinc	11490	S13197A3	17	S13197A3	16	0.7949	0.8949	12	20

TxtQcType: SD Matrix: SOIL SampleID: AC62090-004

Analyte	BatchId	Data File	Seq#:	NS File	Seq#	DF	Result 1	Result 2	%Diff		Limit
Aluminum	11490	S13197C3	20	S13197C3	13	5	9.0739	43.3237	4.7		10
Antimony	11490	S13197A3	21	S13197A3	14	5	0.0030	0.0123	---		10
Arsenic	11490	S13197A3	21	S13197A3	14	5	0.0043	0.0190	---		10
Barium	11490	S13197A3	21	S13197A3	14	5	0.0441	0.2089	5.6		10
Beryllium	11490	S13197A3	21	S13197A3	14	5	0.0013	0.0031	103	a	10
Cadmium	11490	S13197A3	21	S13197A3	14	5	0.0024	0.0038	213	c	10
Calcium	11490	S13197C3	20	S13197C3	13	5	1.3857	6.0786	14	a	10
Chromium	11490	S13197A3	21	S13197A3	14	5	0.0174	0.0827	5.1		10
Cobalt	11490	S13197A3	21	S13197A3	14	5	0.0066	0.0261	26	a	10
Copper	11490	S13197A3	21	S13197A3	14	5	0.0138	0.0660	4.4		10
Iron	11490	S13197C3	20	S13197C3	13	5	22.5345	109.4010	3		10
Lead	11490	S13197A3	21	S13197A3	14	5	0.1024	0.4915	4.2		10
Magnesium	11490	S13197C3	20	S13197C3	13	5	1.8560	8.8485	4.9		10
Manganese	11490	S13197A3	21	S13197A3	14	5	0.1271	0.5902	7.7		10
Nickel	11490	S13197A3	21	S13197A3	14	5	0.0193	0.0895	7.6		10
Potassium	11490	S13197C3	20	S13197C3	13	5	0.9065	4.2200	7.4		10
Selenium	11490	S13197A3	21	S13197A3	14	5	0.0002	0.0036	---		10
Silver	11490	S13197A3	21	S13197A3	14	5	0.0033	0.0144	15	c	10
Sodium	11490	S13197C3	20	S13197C3	13	5	0.4797	2.0363	18	c	10
Thallium	11490	S13197A3	21	S13197A3	14	5	-0.0001	-0.0004	---		10
Vanadium	11490	S13197A3	21	S13197A3	14	5	0.0203	0.0965	5.4		10
Zinc	11490	S13197A3	21	S13197A3	14	5	0.0961	0.4362	10		10

a-Indicates Rpd Failed the criteria

b-Method Rep Out but concentrations < 5*RL

c-Serial dilution Out but conc < 10 * IDL

Wet Chemistry Data

VERITECH Wet Chem Form1 Analysis Summary
% Solids

TestGroupName: % Solids SM2540G **Project #: 1102107**

TestGroup: %SOLIDS

Lab#	Client SampleID	Matrix	Dilution:	Result	Units:	RL	Prep Date	Analysis Date	Received Date	Collect Date
AC62229-001	B-1	Soil	1	77	Percent			10/24/11	10/21/11	10/19/11
AC62229-002	B-2	Soil	1	92	Percent			10/24/11	10/21/11	10/19/11
AC62229-003	B-3	Soil	1	88	Percent			10/24/11	10/21/11	10/19/11
AC62229-004	B-4	Soil	1	92	Percent			10/24/11	10/21/11	10/19/11
AC62229-005	B-5A	Soil	1	91	Percent			10/24/11	10/21/11	10/19/11
AC62229-006	B-5B	Soil	1	87	Percent			10/24/11	10/21/11	10/19/11

% Solids Report

Analysis Type: SOLIDS-SS
BatchID: SOLIDS-SS-116

QcType	SampleID:	Rounded Result	Raw Result	Units	Tare Weight	Wet Weight	Dry Weight	Analysis Date	Analyzed By	QC RPD	Rpd Limit
DUP	AC62221-001	86	85.54913	Percent	1.26	11.64	10.12	10/24/11	simon	0.32	5
Sample	AC62220-002	77	76.71498	Percent	1.27	11.62	9.18	10/24/11	simon		
Sample	AC62220-004	82	82.25977	Percent	1.26	10.73	9.02	10/24/11	simon		
Sample	AC62220-005	85	85.03185	Percent	1.26	7.54	6.58	10/24/11	simon		
Sample	AC62220-006	85	85.40066	Percent	1.25	10.36	9.01	10/24/11	simon		
Sample	AC62220-007	83	82.58706	Percent	1.25	7.28	6.22	10/24/11	simon		
Sample	AC62221-001	85	85.27430	Percent	1.25	11.64	10.08	10/24/11	simon		
Sample	AC62221-002	86	86.32219	Percent	1.26	11.13	9.78	10/24/11	simon		
Sample	AC62221-003	74	74.00835	Percent	1.26	10.84	8.33	10/24/11	simon		
Sample	AC62221-004	80	79.62799	Percent	1.25	12.54	10.22	10/24/11	simon		
Sample	AC62222-001	92	91.92478	Percent	1.25	10.29	9.55	10/24/11	simon		
Sample	AC62222-002	93	93.43066	Percent	1.26	10.85	10.22	10/24/11	simon		
Sample	AC62228-002	85	84.98556	Percent	1.26	11.65	10.09	10/24/11	simon		
Sample	AC62228-003	82	82.16912	Percent	1.26	12.14	10.20	10/24/11	simon		
Sample	AC62228-004	84	84.11829	Percent	1.27	10.40	8.95	10/24/11	simon		
Sample	AC62229-001	77	77.08129	Percent	1.27	11.48	9.13	10/24/11	simon		
Sample	AC62229-002	92	91.55909	Percent	1.25	11.32	10.46	10/24/11	simon		
Sample	AC62229-003	88	88.22335	Percent	1.26	11.11	9.93	10/24/11	simon		
Sample	AC62229-004	92	91.52855	Percent	1.26	12.12	11.28	10/24/11	simon		
Sample	AC62229-005	91	91.27849	Percent	1.26	11.35	10.47	10/24/11	simon		
Sample	AC62229-006	87	86.71727	Percent	1.27	11.81	10.42	10/24/11	simon		

* - Indicates Failed Rpd Criteria

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Project: EJ1111829.001

Client PO: Not Available

Report To: Whitestone Associates
35 Technology Drive
Warren, NJ 07059

Attn: P. Beesley

Received Date: 3/7/2012

Report Date: 3/28/2012

Deliverables: NYDOH-R

Lab ID: AC64606

Lab Project No: 2030726

This report is a true report of results obtained from our tests of this material. The report relates only to those samples received and analyzed by the laboratory. All results meet the requirements of the NELAC Institute standards. Laboratory reports may not be reproduced, except in full, without the written approval of the laboratory.

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Robin Cousineau - Quality Assurance Director OR **Stanley Gilewicz - Laboratory Director**

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PA	(68-00463)	KY	(90124)	WV	(353)	

NELAP ACCREDITED TNI LABORATORY

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Form 1 Sample Results

Inorganic Spreadsheet / QC Summary

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Sample Summary

Client: Whitestone Associates

Project: EJ1111829.001

HCV Project #: 2030726

Lab#	SampleID	Matrix	Collection Date	Receipt Date
AC64606-001	B-3	Soil	3/6/2012	3/7/2012
AC64606-002	B-2	Soil	3/7/2012	3/7/2012

HCV Case Narrative

Client: Whitestone Associates
Project: EJ1111829.001

HCV Project: 2030726

This case narrative is in the form of an exception report. Method specific and/or QA/QC anomalies related to this report only are detailed below.

Volatile Organic Analysis:

Methylene chloride was recovered in sample AC64606-002 suggesting laboratory contamination.

Base Neutral/Acid Extractable Analysis:

Di-n-butylphthalate was recovered in Method Blank 13730 due to laboratory contamination. .

Metals Analysis:

The Matrix Spike and/or Matrix Spike Duplicate for batch 15330 had recoveries outside QC limits. However, since the associated Method Blank and Laboratory Control Sample were within control, no corrective action was necessary. The serial dilution is also outside QC limits, suggesting matrix interference.

Robin Cousineau
Quality Assurance Director

Or

Stanley Gilewicz
Laboratory Director

3/28/2012
Date

HCV Executive Summary

Client: Whitestone Associates

HCV Project #: 2030726

Project: EJ1111829.001

Lab#: AC64606-001 **Sample ID: B-3**

Analyte	Units	RL	Result	Analytical Method
Aluminum	mg/kg	220	11000	EPA 6010B
Barium	mg/kg	11	140	EPA 6010B
Calcium	mg/kg	1100	2600	EPA 6010B
Chromium	mg/kg	5.4	33	EPA 6010B
Cobalt	mg/kg	2.7	12	EPA 6010B
Copper	mg/kg	5.4	42	EPA 6010B
Iron	mg/kg	220	23000	EPA 6010B
Lead	mg/kg	5.4	65	EPA 6010B
Magnesium	mg/kg	540	4000	EPA 6010B
Manganese	mg/kg	11	350	EPA 6010B
Nickel	mg/kg	5.4	23	EPA 6010B
Potassium	mg/kg	540	3500	EPA 6010B
Vanadium	mg/kg	11	32	EPA 6010B
Zinc	mg/kg	11	150	EPA 6010B
bis(2-Ethylhexyl)phthalate	mg/kg	0.036	0.080	EPA 8270C

Lab#: AC64606-002 **Sample ID: B-2**

Analyte	Units	RL	Result	Analytical Method
Aluminum	mg/kg	220	12000	EPA 6010B
Barium	mg/kg	11	93	EPA 6010B
Calcium	mg/kg	1100	1100	EPA 6010B
Chromium	mg/kg	5.4	39	EPA 6010B
Cobalt	mg/kg	2.7	10	EPA 6010B
Copper	mg/kg	5.4	27	EPA 6010B
Iron	mg/kg	220	19000	EPA 6010B
Magnesium	mg/kg	540	3800	EPA 6010B
Manganese	mg/kg	11	430	EPA 6010B
Nickel	mg/kg	5.4	22	EPA 6010B
Potassium	mg/kg	540	3600	EPA 6010B
Vanadium	mg/kg	11	36	EPA 6010B
Zinc	mg/kg	11	35	EPA 6010B
Methylene chloride	mg/kg	0.0022	0.0029	EPA 8260B

HCV Report Of Analysis

Client: Whitestone Associates
Project: EJ1111829.001

HCV Project #: 2030726

Sample ID: B-3
Lab#: AC64606-001
Matrix: Soil

Collection Date: 3/6/2012
Receipt Date: 3/7/2012

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		93

Mercury (Soil/Waste) 7471A

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.090	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,2-Diphenylhydrazine	1	mg/kg	0.036	ND
2,4,5-Trichlorophenol	1	mg/kg	0.036	ND
2,4,6-Trichlorophenol	1	mg/kg	0.036	ND
2,4-Dichlorophenol	1	mg/kg	0.0090	ND
2,4-Dimethylphenol	1	mg/kg	0.036	ND
2,4-Dinitrophenol	1	mg/kg	0.073	ND
2,4-Dinitrotoluene	1	mg/kg	0.036	ND
2,6-Dinitrotoluene	1	mg/kg	0.036	ND
2-Chloronaphthalene	1	mg/kg	0.036	ND
2-Chlorophenol	1	mg/kg	0.036	ND
2-Methylnaphthalene	1	mg/kg	0.036	ND
2-Methylphenol	1	mg/kg	0.0090	ND
2-Nitroaniline	1	mg/kg	0.036	ND
2-Nitrophenol	1	mg/kg	0.036	ND
3&4-Methylphenol	1	mg/kg	0.0090	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.036	ND
3-Nitroaniline	1	mg/kg	0.036	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.036	ND
4-Bromophenyl-phenylether	1	mg/kg	0.036	ND
4-Chloro-3-methylphenol	1	mg/kg	0.036	ND
4-Chloroaniline	1	mg/kg	0.017	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.036	ND
4-Nitroaniline	1	mg/kg	0.036	ND
4-Nitrophenol	1	mg/kg	0.036	ND
Acenaphthene	1	mg/kg	0.036	ND
Acenaphthylene	1	mg/kg	0.036	ND
Aniline	1	mg/kg	0.015	ND
Anthracene	1	mg/kg	0.036	ND
Benzidine	1	mg/kg	0.036	ND
Benzo[a]anthracene	1	mg/kg	0.036	ND
Benzo[a]pyrene	1	mg/kg	0.036	ND
Benzo[b]fluoranthene	1	mg/kg	0.036	ND
Benzo[g,h,i]perylene	1	mg/kg	0.036	ND
Benzo[k]fluoranthene	1	mg/kg	0.036	ND
Benzoic acid	1	mg/kg	0.18	ND
bis(2-Chloroethoxy)methane	1	mg/kg	0.036	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.0090	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.036	ND
bis(2-Ethylhexyl)phthalate	**1**	**mg/kg**	**0.036**	**0.080**
Butylbenzylphthalate	1	mg/kg	0.036	ND

NOTE: Soil Results are reported to Dry Weight

Sample ID: B-3 **Collection Date: 3/6/2012**
Lab#: AC64606-001 **Receipt Date: 3/7/2012**
Matrix: Soil

Carbazole	1	mg/kg	0.036	ND
Chrysene	1	mg/kg	0.036	ND
Dibenzo[a,h]anthracene	1	mg/kg	0.036	ND
Dibenzofuran	1	mg/kg	0.0090	ND
Diethylphthalate	1	mg/kg	0.036	ND
Dimethylphthalate	1	mg/kg	0.036	ND
Di-n-butylphthalate	1	mg/kg	0.018	ND
Di-n-octylphthalate	1	mg/kg	0.036	ND
Fluoranthene	1	mg/kg	0.036	ND
Fluorene	1	mg/kg	0.036	ND
Hexachlorobenzene	1	mg/kg	0.036	ND
Hexachlorobutadiene	1	mg/kg	0.036	ND
Hexachlorocyclopentadiene	1	mg/kg	0.036	ND
Hexachloroethane	1	mg/kg	0.036	ND
Indeno[1,2,3-cd]pyrene	1	mg/kg	0.036	ND
Isophorone	1	mg/kg	0.036	ND
Naphthalene	1	mg/kg	0.0090	ND
Nitrobenzene	1	mg/kg	0.036	ND
N-Nitrosodimethylamine	1	mg/kg	0.036	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.0090	ND
N-Nitrosodiphenylamine	1	mg/kg	0.036	ND
Pentachlorophenol	1	mg/kg	0.18	ND
Phenanthrene	1	mg/kg	0.036	ND
Phenol	1	mg/kg	0.036	ND
Pyrene	1	mg/kg	0.036	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**220**	**11000**
Antimony	1	mg/kg	2.2	ND
Arsenic	1	mg/kg	2.2	ND
Barium	**1**	**mg/kg**	**11**	**140**
Beryllium	1	mg/kg	0.65	ND
Cadmium	1	mg/kg	0.65	ND
Calcium	**1**	**mg/kg**	**1100**	**2600**
Chromium	**1**	**mg/kg**	**5.4**	**33**
Cobalt	**1**	**mg/kg**	**2.7**	**12**
Copper	**1**	**mg/kg**	**5.4**	**42**
Iron	**1**	**mg/kg**	**220**	**23000**
Lead	**1**	**mg/kg**	**5.4**	**65**
Magnesium	**1**	**mg/kg**	**540**	**4000**
Manganese	**1**	**mg/kg**	**11**	**350**
Nickel	**1**	**mg/kg**	**5.4**	**23**
Potassium	**1**	**mg/kg**	**540**	**3500**
Selenium	1	mg/kg	1.9	ND
Silver	1	mg/kg	1.6	ND
Sodium	1	mg/kg	270	ND
Thallium	1	mg/kg	1.3	ND
Vanadium	**1**	**mg/kg**	**11**	**32**
Zinc	**1**	**mg/kg**	**11**	**150**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.988	mg/kg	0.0021	ND
1,1,2,2-Tetrachloroethane	0.988	mg/kg	0.0021	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.988	mg/kg	0.0011	ND
1,1,2-Trichloroethane	0.988	mg/kg	0.0021	ND

Sample ID: B-3 **Collection Date: 3/6/2012**
Lab#: AC64606-001 **Receipt Date: 3/7/2012**
Matrix: Soil

1,1-Dichloroethane	0.988	mg/kg	0.0021	ND
1,1-Dichloroethene	0.988	mg/kg	0.0021	ND
1,2,3-Trichloropropane	0.988	mg/kg	0.0021	ND
1,2,4-Trimethylbenzene	0.988	mg/kg	0.0011	ND
1,2-Dichlorobenzene	0.988	mg/kg	0.0021	ND
1,2-Dichloroethane	0.988	mg/kg	0.0021	ND
1,2-Dichloropropane	0.988	mg/kg	0.0021	ND
1,3,5-Trimethylbenzene	0.988	mg/kg	0.0011	ND
1,3-Dichlorobenzene	0.988	mg/kg	0.0021	ND
1,3-Dichloropropane	0.988	mg/kg	0.0021	ND
1,4-Dichlorobenzene	0.988	mg/kg	0.0021	ND
1,4-Dioxane	0.988	mg/kg	0.11	ND
2-Butanone	0.988	mg/kg	0.0011	ND
2-Chloroethylvinylether	0.988	mg/kg	0.0021	ND
2-Hexanone	0.988	mg/kg	0.0021	ND
4-Isopropyltoluene	0.988	mg/kg	0.0011	ND
4-Methyl-2-pentanone	0.988	mg/kg	0.0021	ND
Acetone	0.988	mg/kg	0.011	ND
Acrolein	0.988	mg/kg	0.011	ND
Acrylonitrile	0.988	mg/kg	0.0053	ND
Benzene	0.988	mg/kg	0.0011	ND
Bromodichloromethane	0.988	mg/kg	0.0021	ND
Bromoform	0.988	mg/kg	0.0021	ND
Bromomethane	0.988	mg/kg	0.0021	ND
Carbon disulfide	0.988	mg/kg	0.0021	ND
Carbon tetrachloride	0.988	mg/kg	0.0021	ND
Chlorobenzene	0.988	mg/kg	0.0021	ND
Chloroethane	0.988	mg/kg	0.0021	ND
Chloroform	0.988	mg/kg	0.0021	ND
Chloromethane	0.988	mg/kg	0.0021	ND
cis-1,2-Dichloroethene	0.988	mg/kg	0.0021	ND
cis-1,3-Dichloropropene	0.988	mg/kg	0.0021	ND
Dibromochloromethane	0.988	mg/kg	0.0021	ND
Dichlorodifluoromethane	0.988	mg/kg	0.0021	ND
Ethylbenzene	0.988	mg/kg	0.0011	ND
Isopropylbenzene	0.988	mg/kg	0.0011	ND
m&p-Xylenes	0.988	mg/kg	0.0011	ND
Methylene chloride	0.988	mg/kg	0.0021	ND
Methyl-t-butyl ether	0.988	mg/kg	0.0011	ND
n-Butylbenzene	0.988	mg/kg	0.0011	ND
n-Propylbenzene	0.988	mg/kg	0.0011	ND
o-Xylene	0.988	mg/kg	0.0011	ND
sec-Butylbenzene	0.988	mg/kg	0.0011	ND
Styrene	0.988	mg/kg	0.0021	ND
t-Butyl Alcohol	0.988	mg/kg	0.011	ND
t-Butylbenzene	0.988	mg/kg	0.0011	ND
Tetrachloroethene	0.988	mg/kg	0.0011	ND
Toluene	0.988	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.988	mg/kg	0.0021	ND
trans-1,3-Dichloropropene	0.988	mg/kg	0.0021	ND
Trichloroethene	0.988	mg/kg	0.0021	ND
Trichlorofluoromethane	0.988	mg/kg	0.0021	ND
Vinyl chloride	0.988	mg/kg	0.0021	ND
Xylenes (Total)	0.988	mg/kg	0.0011	ND

Sample ID: B-2
Lab#: AC64606-002
Matrix: Soil

Collection Date: 3/7/2012
Receipt Date: 3/7/2012

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		92

Mercury (Soil/Waste) 7471A

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.091	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,2-Diphenylhydrazine	1	mg/kg	0.036	ND
2,4,5-Trichlorophenol	1	mg/kg	0.036	ND
2,4,6-Trichlorophenol	1	mg/kg	0.036	ND
2,4-Dichlorophenol	1	mg/kg	0.0091	ND
2,4-Dimethylphenol	1	mg/kg	0.036	ND
2,4-Dinitrophenol	1	mg/kg	0.074	ND
2,4-Dinitrotoluene	1	mg/kg	0.036	ND
2,6-Dinitrotoluene	1	mg/kg	0.036	ND
2-Chloronaphthalene	1	mg/kg	0.036	ND
2-Chlorophenol	1	mg/kg	0.036	ND
2-Methylnaphthalene	1	mg/kg	0.036	ND
2-Methylphenol	1	mg/kg	0.0091	ND
2-Nitroaniline	1	mg/kg	0.036	ND
2-Nitrophenol	1	mg/kg	0.036	ND
3&4-Methylphenol	1	mg/kg	0.0091	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.036	ND
3-Nitroaniline	1	mg/kg	0.036	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.036	ND
4-Bromophenyl-phenylether	1	mg/kg	0.036	ND
4-Chloro-3-methylphenol	1	mg/kg	0.036	ND
4-Chloroaniline	1	mg/kg	0.017	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.036	ND
4-Nitroaniline	1	mg/kg	0.036	ND
4-Nitrophenol	1	mg/kg	0.036	ND
Acenaphthene	1	mg/kg	0.036	ND
Acenaphthylene	1	mg/kg	0.036	ND
Aniline	1	mg/kg	0.015	ND
Anthracene	1	mg/kg	0.036	ND
Benzidine	1	mg/kg	0.036	ND
Benzo[a]anthracene	1	mg/kg	0.036	ND
Benzo[a]pyrene	1	mg/kg	0.036	ND
Benzo[b]fluoranthene	1	mg/kg	0.036	ND
Benzo[g,h,i]perylene	1	mg/kg	0.036	ND
Benzo[k]fluoranthene	1	mg/kg	0.036	ND
Benzoic acid	1	mg/kg	0.18	ND
bis(2-Chloroethoxy)methane	1	mg/kg	0.036	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.0091	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.036	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.036	ND
Butylbenzylphthalate	1	mg/kg	0.036	ND
Carbazole	1	mg/kg	0.036	ND
Chrysene	1	mg/kg	0.036	ND
Dibenzo[a,h]anthracene	1	mg/kg	0.036	ND
Dibenzofuran	1	mg/kg	0.0091	ND
Diethylphthalate	1	mg/kg	0.036	ND
Dimethylphthalate	1	mg/kg	0.036	ND
Di-n-butylphthalate	1	mg/kg	0.018	ND

Sample ID: B-2
Lab#: AC64606-002
Matrix: Soil

Collection Date: 3/7/2012
Receipt Date: 3/7/2012

Di-n-octylphthalate	1	mg/kg	0.036	ND
Fluoranthene	1	mg/kg	0.036	ND
Fluorene	1	mg/kg	0.036	ND
Hexachlorobenzene	1	mg/kg	0.036	ND
Hexachlorobutadiene	1	mg/kg	0.036	ND
Hexachlorocyclopentadiene	1	mg/kg	0.036	ND
Hexachloroethane	1	mg/kg	0.036	ND
Indeno[1,2,3-cd]pyrene	1	mg/kg	0.036	ND
Isophorone	1	mg/kg	0.036	ND
Naphthalene	1	mg/kg	0.0091	ND
Nitrobenzene	1	mg/kg	0.036	ND
N-Nitrosodimethylamine	1	mg/kg	0.036	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.0091	ND
N-Nitrosodiphenylamine	1	mg/kg	0.036	ND
Pentachlorophenol	1	mg/kg	0.18	ND
Phenanthrene	1	mg/kg	0.036	ND
Phenol	1	mg/kg	0.036	ND
Pyrene	1	mg/kg	0.036	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**220**	**12000**
Antimony	1	mg/kg	2.2	ND
Arsenic	1	mg/kg	2.2	ND
Barium	**1**	**mg/kg**	**11**	**93**
Beryllium	1	mg/kg	0.65	ND
Cadmium	1	mg/kg	0.65	ND
Calcium	**1**	**mg/kg**	**1100**	**1100**
Chromium	**1**	**mg/kg**	**5.4**	**39**
Cobalt	**1**	**mg/kg**	**2.7**	**10**
Copper	**1**	**mg/kg**	**5.4**	**27**
Iron	**1**	**mg/kg**	**220**	**19000**
Lead	1	mg/kg	5.4	ND
Magnesium	**1**	**mg/kg**	**540**	**3800**
Manganese	**1**	**mg/kg**	**11**	**430**
Nickel	**1**	**mg/kg**	**5.4**	**22**
Potassium	**1**	**mg/kg**	**540**	**3600**
Selenium	1	mg/kg	2.0	ND
Silver	1	mg/kg	1.6	ND
Sodium	1	mg/kg	270	ND
Thallium	1	mg/kg	1.3	ND
Vanadium	**1**	**mg/kg**	**11**	**36**
Zinc	**1**	**mg/kg**	**11**	**35**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.99	mg/kg	0.0022	ND
1,1,2,2-Tetrachloroethane	0.99	mg/kg	0.0022	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.99	mg/kg	0.0011	ND
1,1,2-Trichloroethane	0.99	mg/kg	0.0022	ND
1,1-Dichloroethane	0.99	mg/kg	0.0022	ND
1,1-Dichloroethene	0.99	mg/kg	0.0022	ND
1,2,3-Trichloropropane	0.99	mg/kg	0.0022	ND
1,2,4-Trimethylbenzene	0.99	mg/kg	0.0011	ND
1,2-Dichlorobenzene	0.99	mg/kg	0.0022	ND
1,2-Dichloroethane	0.99	mg/kg	0.0022	ND
1,2-Dichloropropane	0.99	mg/kg	0.0022	ND

Sample ID: B-2
Lab#: AC64606-002
Matrix: Soil

Collection Date: 3/7/2012
Receipt Date: 3/7/2012

1,3,5-Trimethylbenzene	0.99	mg/kg	0.0011	ND
1,3-Dichlorobenzene	0.99	mg/kg	0.0022	ND
1,3-Dichloropropane	0.99	mg/kg	0.0022	ND
1,4-Dichlorobenzene	0.99	mg/kg	0.0022	ND
1,4-Dioxane	0.99	mg/kg	0.11	ND
2-Butanone	0.99	mg/kg	0.0011	ND
2-Chloroethylvinylether	0.99	mg/kg	0.0022	ND
2-Hexanone	0.99	mg/kg	0.0022	ND
4-Isopropyltoluene	0.99	mg/kg	0.0011	ND
4-Methyl-2-pentanone	0.99	mg/kg	0.0022	ND
Acetone	0.99	mg/kg	0.011	ND
Acrolein	0.99	mg/kg	0.011	ND
Acrylonitrile	0.99	mg/kg	0.0054	ND
Benzene	0.99	mg/kg	0.0011	ND
Bromodichloromethane	0.99	mg/kg	0.0022	ND
Bromoform	0.99	mg/kg	0.0022	ND
Bromomethane	0.99	mg/kg	0.0022	ND
Carbon disulfide	0.99	mg/kg	0.0022	ND
Carbon tetrachloride	0.99	mg/kg	0.0022	ND
Chlorobenzene	0.99	mg/kg	0.0022	ND
Chloroethane	0.99	mg/kg	0.0022	ND
Chloroform	0.99	mg/kg	0.0022	ND
Chloromethane	0.99	mg/kg	0.0022	ND
cis-1,2-Dichloroethene	0.99	mg/kg	0.0022	ND
cis-1,3-Dichloropropene	0.99	mg/kg	0.0022	ND
Dibromochloromethane	0.99	mg/kg	0.0022	ND
Dichlorodifluoromethane	0.99	mg/kg	0.0022	ND
Ethylbenzene	0.99	mg/kg	0.0011	ND
Isopropylbenzene	0.99	mg/kg	0.0011	ND
m&p-Xylenes	0.99	mg/kg	0.0011	ND
Methylene chloride	**0.99**	**mg/kg**	**0.0022**	**0.0029**
Methyl-t-butyl ether	0.99	mg/kg	0.0011	ND
n-Butylbenzene	0.99	mg/kg	0.0011	ND
n-Propylbenzene	0.99	mg/kg	0.0011	ND
o-Xylene	0.99	mg/kg	0.0011	ND
sec-Butylbenzene	0.99	mg/kg	0.0011	ND
Styrene	0.99	mg/kg	0.0022	ND
t-Butyl Alcohol	0.99	mg/kg	0.011	ND
t-Butylbenzene	0.99	mg/kg	0.0011	ND
Tetrachloroethene	0.99	mg/kg	0.0011	ND
Toluene	0.99	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.99	mg/kg	0.0022	ND
trans-1,3-Dichloropropene	0.99	mg/kg	0.0022	ND
Trichloroethene	0.99	mg/kg	0.0022	ND
Trichlorofluoromethane	0.99	mg/kg	0.0022	ND
Vinyl chloride	0.99	mg/kg	0.0022	ND
Xylenes (Total)	0.99	mg/kg	0.0011	ND

NOTE: Soil Results are reported to Dry Weight

HCV Reporting Limit Definitions/Data Qualifiers

REPORTING DEFINITIONS

DF = Dilution Factor

MDL = Method Detection Limit

RL* = Reporting Limit

ND = Not Detected

RT = Retention Time

NA = Not Applicable

**Samples with elevated Reporting Limits (RLs) as a result of a dilution may not achieve client reporting limits in some cases. The elevated RLs are unavoidable consequences of sample dilution required to quantitate target analytes that exceed the calibration range of the instrument.*

DATA QUALIFIERS

B- Indicates analyte was present in the Method Blank and sample.

d- For Pesticide and PCB analysis, the concentration between primary and secondary columns is greater than 40%. The lower concentration is generally reported.

E- Indicates the concentration exceeded the upper calibration range of the instrument.

J- Indicates the value is estimated because it is either a Tentatively Identified Compound (TIC) or the reported concentration is greater than the MDL but less than the RL. For samples results between the MDL and RL there is a possibility of false positives or misidentification at the quantitation levels. Additionally, the acceptance criteria for QC samples may not be met.

Laboratory Chronicle

Client: Whitestone Associates

HCV Project #: 2030726

Project: EJ1111829.001

Lab#: AC64606-001 **Sample ID: B-3**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	3/9/12 00:00	JANEE
Mercury (Soil/Waste) 7471A	EPA 7471A	03/09/12	julijana	EPA 7471A	3/12/12 14:23	CJA
Semivolatile Organics (no search) 8270	3510C/3550B	03/10/12	mahaliac	EPA 8270C	3/11/12 20:37	AHD
TAL Metals 6010	3005&10/3050	03/09/12	julijana	EPA 6010B	3/13/12 11:43	OA
TAL Metals 6010	3005&10/3050	03/09/12	julijana	EPA 6010B	3/12/12 18:03	OA
TAL Metals 6010	3005&10/3050	03/09/12	julijana	EPA 6010B	3/12/12 19:13	OA
TAL Metals 6010	3005&10/3050	03/09/12	julijana	EPA 6010B	3/12/12 19:41	OA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	3/10/12 00:17	WP

Lab#: AC64606-002 **Sample ID: B-2**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	3/9/12 00:00	JANEE
Mercury (Soil/Waste) 7471A	EPA 7471A	03/09/12	julijana	EPA 7471A	3/12/12 14:25	CJA
Semivolatile Organics (no search) 8270	3510C/3550B	03/10/12	mahaliac	EPA 8270C	3/11/12 20:59	AHD
TAL Metals 6010	3005&10/3050	03/09/12	julijana	EPA 6010B	3/12/12 18:06	OA
TAL Metals 6010	3005&10/3050	03/09/12	julijana	EPA 6010B	3/12/12 19:16	OA
TAL Metals 6010	3005&10/3050	03/09/12	julijana	EPA 6010B	3/12/12 19:44	OA
TAL Metals 6010	3005&10/3050	03/09/12	julijana	EPA 6010B	3/13/12 11:46	OA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	3/10/12 00:33	WP

Chain of Custody

0013

2030726

Veritech/Division of Hampton-Clarke
175 Route 46 West and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1458
Service Center: 137-D Gaither Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056

HC-V Hampton-Clarke·Veritech

CHAIN OF CUSTODY RECORD

2030726

NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | WV #353 | KY #90124

Customer Information

1a) Customer: Whitestone Associates Inc.
Address: 35 Technology Drive
Warren, NJ 07054
1b) Email/Cell/Fax/Ph: 908-668-7777
1c) Send Invoice to: Whitestone - Pat B
1d) Send Report to: Whitestone - Pat B

Project Information

2a) Project: EJ1111829.001
2b) Project Mgr: C. Seib
2c) Project Location (City/State): Bronx, NY
2d) Quote/PO # (If Applicable): —

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Deliv.
24 Hours (100%)	Data Summary	Hazsite/CSV
48 Hours (75%)	Waste	EQuIS 4-File / EZ / NYS
72 Hours (50%)	Red - NJ / NY / PA	EQuIS EPA Region 2 or 5
4 Days (35%; TPH)	CLP	Excel - NJ Regulatory
1 Week (25%; EPH)	Full / Category B	Excel - NY Regulatory
10 Days (10%)	Category A	Excel - PA Regulatory
2 Weeks	Other:	PDF
Other:		Other:

Expedited TAT Not Always Available. Please Check with Lab.

FOR LAB USE ONLY ↓

Batch # AC64606

Check If Contingent ===>

Matrix Codes
DW - Drinking Water S - Soil A - Air
GW - Ground Water SL - Sludge
WW - Waste Water OL - Oil
OT - Other (please specify under item 9, Comments)

7) Analysis Request <=== Check If Contingent

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Composite (C)	Grab (G)	VOC	SVOC	TAL Metals	8) # of Bottles None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
001	B-3	S	3/7/12	10:00 AM		G	X	X	X	2								
002	B-2	S	3/7/12	8:00 AM		G	X	X	X	2								

10) Relinquished by:	Accepted by:	Date	Time
John Capozzolo	[signature]	3/7/12	1000
[signature]	[signature]	3/7/12	1645

Comments, Notes, Special Requirements, HAZARDS

Note: Check if low-level groundwater methods required to meet current standards in NJ or PA:
- ☐ BN or BNA (8270C SIM)
- ☐ VOC (8260B SIM or 8011)
- ☐ Metals (ICP-MS 200.8 or 6020)
- ☐ Metals-Soil (ICP-MS 6020 for Be & Ag)

Note: Check if applicable:
- ☐ Project-Specific Reporting Limits
- ☐ High Contaminant Concentrations
- ☐ NJ LSRP Project

Cooler Temperature: 3.1

Additional Notes

11) Sampler (print name): John Capozzolo Date: 3-7-12

Please circle required parameter list (refer to HC-V summary): i) NJ 2008 SRS; ii) Current TCL; iii) HC-V 2010 Merged; iv) PA; v) NY; vi) Project-Specific

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.

CONDITION UPON RECEIPT

Batch Number AC64606

Entered By: ricardo
Date Entered 3/7/2012 6:23:00 PM

1	Yes	Is there a corresponding COC included with the samples?
2	Yes	Are the samples in a container such as a cooler or Ice chest?
3	Yes	Are the COC seals intact?
4	Yes	Please specify the Temperature inside the container (in degC) 3.1C
5	Yes	Are the samples refrigerated (where required)/have they arrived on ice?
6	Yes	Are the samples within the holding times for the parameters listed on the COC? IF no, list parameters and samples:
7	Yes	Are all of the sample bottles intact? If no, specify sample numbers broken/leaking
8	Yes	Are all of the sample labels or numbers legible? If no specify:
9	Yes	Do the contents match the COC? If no, specify
10	Yes	Is there enough sample sent for the analyses listed on the COC? If no, specify:
11	NA	Are samples preserved correctly?
12	Yes	Was temperature blank present (Place comment below if not)? If not was temperature of samples verified?
13	NA	Other comments ...Specify
14	NA	Corrective actions (Specify item number and corrective action taken).

Internal Chain of Custody

2030726 0015

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis
AC64606-001	03/07/12 16:45	RICAR	0	M	Received
AC64606-001	03/07/12 18:23	RICAR	0	M	Login
AC64606-001	03/08/12 09:24	R30	1	A	NONE
AC64606-001	03/09/12 12:36	WP	1	A	VOA
AC64606-001	03/09/12 13:02	R30	1	A	NONE
AC64606-001	03/07/12 23:39	PA	2	A	mixing
AC64606-001	03/07/12 23:50	R12	2	A	NONE
AC64606-001	03/09/12 08:01	DW	2	A	% SOLIDS
AC64606-001	03/09/12 14:57	JU	2	A	tdsi-hg
AC64606-001	03/09/12 16:07	RAMO	2	A	r12
AC64606-001	03/10/12 23:07	R12	2	A	NONE
AC64606-001	03/10/12 23:07	MLC	2	A	BNA
AC64606-002	03/07/12 16:45	RICAR	0	M	Received
AC64606-002	03/07/12 18:23	RICAR	0	M	Login
AC64606-002	03/08/12 09:24	R30	1	A	NONE
AC64606-002	03/09/12 12:36	WP	1	A	VOA
AC64606-002	03/09/12 13:02	R30	1	A	NONE
AC64606-002	03/07/12 23:39	PA	2	A	mixing
AC64606-002	03/07/12 23:50	R12	2	A	NONE
AC64606-002	03/09/12 08:01	DW	2	A	% SOLIDS
AC64606-002	03/09/12 14:57	JU	2	A	tdsi-hg
AC64606-002	03/09/12 16:07	RAMO	2	A	r12
AC64606-002	03/10/12 23:07	R12	2	A	NONE
AC64606-002	03/10/12 23:07	MLC	2	A	BNA

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis

Samples marked as received are stored in coolers or refrigerator R12, or R24 at 4 deg C until Login

Volatile Data

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC64606-001
Client Id: B-3
Data File: 1M80148.D
Analysis Date: 03/10/12 00:17
Date Rec/Extracted: 03/07/12-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5.06g
Final Vol: NA
Dilution: 0.988
Solids: 93

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0021	U	56-23-5	Carbon Tetrachloride	0.0021	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0021	U	108-90-7	Chlorobenzene	0.0021	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0011	U	75-00-3	Chloroethane	0.0021	U
79-00-5	1,1,2-Trichloroethane	0.0021	U	67-66-3	Chloroform	0.0021	U
75-34-3	1,1-Dichloroethane	0.0021	U	74-87-3	Chloromethane	0.0021	U
75-35-4	1,1-Dichloroethene	0.0021	U	156-59-2	cis-1,2-Dichloroethene	0.0021	U
96-18-4	1,2,3-Trichloropropane	0.0021	U	10061-01-5	cis-1,3-Dichloropropene	0.0021	U
95-63-6	1,2,4-Trimethylbenzene	0.0011	U	124-48-1	Dibromochloromethane	0.0021	U
95-50-1	1,2-Dichlorobenzene	0.0021	U	75-71-8	Dichlorodifluoromethane	0.0021	U
107-06-2	1,2-Dichloroethane	0.0021	U	100-41-4	Ethylbenzene	0.0011	U
78-87-5	1,2-Dichloropropane	0.0021	U	98-82-8	Isopropylbenzene	0.0011	U
108-67-8	1,3,5-Trimethylbenzene	0.0011	U	136777612	m&p-Xylenes	0.0011	U
541-73-1	1,3-Dichlorobenzene	0.0021	U	75-09-2	Methylene Chloride	0.0021	U
142-28-9	1,3-Dichloropropane	0.0021	U	1634-04-4	Methyl-t-butyl ether	0.0011	U
106-46-7	1,4-Dichlorobenzene	0.0021	U	104-51-8	n-Butylbenzene	0.0011	U
123-91-1	1,4-Dioxane	0.11	U	103-65-1	n-Propylbenzene	0.0011	U
78-93-3	2-Butanone	0.0011	U	95-47-6	o-Xylene	0.0011	U
110-75-8	2-Chloroethylvinylether	0.0021	U	135-98-8	sec-Butylbenzene	0.0011	U
591-78-6	2-Hexanone	0.0021	U	100-42-5	Styrene	0.0021	U
99-87-6	4-Isopropyltoluene	0.0011	U	75-65-0	t-Butyl Alcohol	0.011	U
108-10-1	4-Methyl-2-Pentanone	0.0021	U	98-06-6	t-Butylbenzene	0.0011	U
67-64-1	Acetone	0.011	U	127-18-4	Tetrachloroethene	0.0011	U
107-02-8	Acrolein	0.011	U	108-88-3	Toluene	0.0011	U
107-13-1	Acrylonitrile	0.0053	U	156-60-5	trans-1,2-Dichloroethene	0.0021	U
71-43-2	Benzene	0.0011	U	10061-02-6	trans-1,3-Dichloropropene	0.0021	U
75-27-4	Bromodichloromethane	0.0021	U	79-01-6	Trichloroethene	0.0021	U
75-25-2	Bromoform	0.0021	U	75-69-4	Trichlorofluoromethane	0.0021	U
74-83-9	Bromomethane	0.0021	U	75-01-4	Vinyl Chloride	0.0021	U
75-15-0	Carbon Disulfide	0.0021	U	1330-20-7	Xylenes (Total)	0.0011	U

Worksheet #: 220811

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

Quantitation Report (QT Reviewed)

2030726 0018

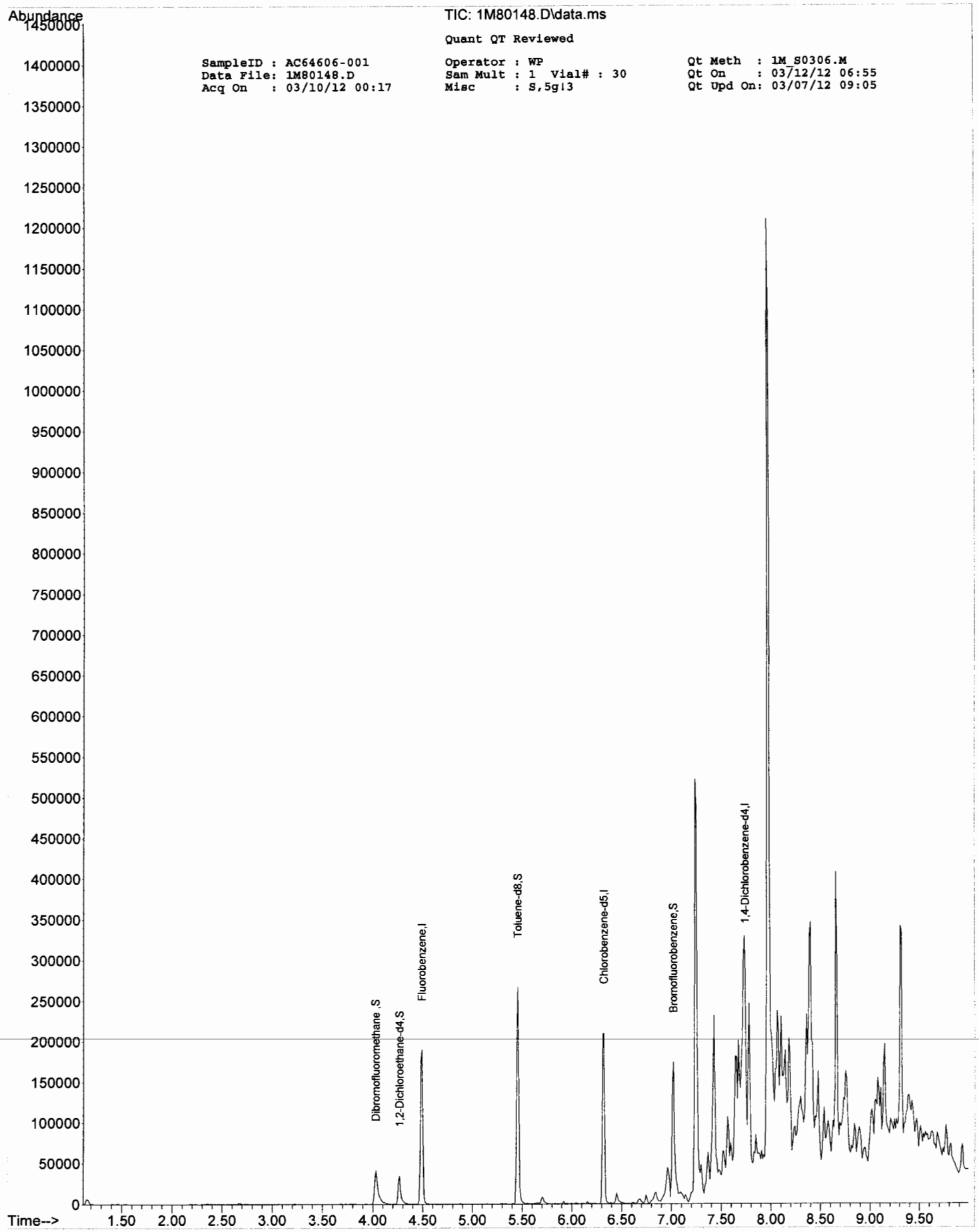
SampleID : AC64606-001 Operator : WP Qt Meth : 1M_S0306.M
Data File: 1M80148.D Sam Mult : 1 Vial# : 30 Qt On : 03/12/12 06:55
Acq On : 03/10/12 00:17 Misc : S,5g!3 Qt Upd On: 03/07/12 09:05

Data Path : G:\GcMsData\2012\gcms_1\Data\03-09-12\
Qt Path : G:\GCMSDATA\2012\GCMS_1\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.493	96	142662	30.00	ug/l	0.01
50) Chlorobenzene-d5	6.323	117	114512	30.00	ug/l	0.02
68) 1,4-Dichlorobenzene-d4	7.740	152	63487	30.00	ug/l	0.01
System Monitoring Compounds						
36) Dibromofluoromethane	4.031	111	30568	29.19	ug/l	0.01
Spiked Amount 30.000			Recovery = 97.30%			
38) 1,2-Dichloroethane-d4	4.267	67	11815	30.88	ug/l	0.01
Spiked Amount 30.000			Recovery = 102.93%			
64) Toluene-d8	5.457	98	145587	28.21	ug/l	0.01
Spiked Amount 30.000			Recovery = 94.03%			
74) Bromofluorobenzene	7.021	174	52773	28.55	ug/l	0.01
Spiked Amount 30.000			Recovery = 95.17%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 1M80148.D\data.ms
Quant QT Reviewed
SampleID : AC64606-001
Data File: 1M80148.D
Acq On : 03/10/12 00:17
Operator : WP
Sam Mult : 1 Vial# : 30
Misc : S,5g|3
Qt Meth : 1M_S0306.M
Qt On : 03/12/12 06:55
Qt Upd On: 03/07/12 09:05
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC64606-002
Client Id: B-2
Data File: 1M80149.D
Analysis Date: 03/10/12 00:33
Date Rec/Extracted: 03/07/12-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5.05g
Final Vol: NA
Dilution: 0.990
Solids: 92

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0022	U	56-23-5	Carbon Tetrachloride	0.0022	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0022	U	108-90-7	Chlorobenzene	0.0022	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0011	U	75-00-3	Chloroethane	0.0022	U
79-00-5	1,1,2-Trichloroethane	0.0022	U	67-66-3	Chloroform	0.0022	U
75-34-3	1,1-Dichloroethane	0.0022	U	74-87-3	Chloromethane	0.0022	U
75-35-4	1,1-Dichloroethene	0.0022	U	156-59-2	cis-1,2-Dichloroethene	0.0022	U
96-18-4	1,2,3-Trichloropropane	0.0022	U	10061-01-5	cis-1,3-Dichloropropene	0.0022	U
95-63-6	1,2,4-Trimethylbenzene	0.0011	U	124-48-1	Dibromochloromethane	0.0022	U
95-50-1	1,2-Dichlorobenzene	0.0022	U	75-71-8	Dichlorodifluoromethane	0.0022	U
107-06-2	1,2-Dichloroethane	0.0022	U	100-41-4	Ethylbenzene	0.0011	U
78-87-5	1,2-Dichloropropane	0.0022	U	98-82-8	Isopropylbenzene	0.0011	U
108-67-8	1,3,5-Trimethylbenzene	0.0011	U	136777612	m&p-Xylenes	0.0011	U
541-73-1	1,3-Dichlorobenzene	0.0022	U	**75-09-2**	**Methylene Chloride**	**0.0022**	**0.0029**
142-28-9	1,3-Dichloropropane	0.0022	U	1634-04-4	Methyl-t-butyl ether	0.0011	U
106-46-7	1,4-Dichlorobenzene	0.0022	U	104-51-8	n-Butylbenzene	0.0011	U
123-91-1	1,4-Dioxane	0.11	U	103-65-1	n-Propylbenzene	0.0011	U
78-93-3	2-Butanone	0.0011	U	95-47-6	o-Xylene	0.0011	U
110-75-8	2-Chloroethylvinylether	0.0022	U	135-98-8	sec-Butylbenzene	0.0011	U
591-78-6	2-Hexanone	0.0022	U	100-42-5	Styrene	0.0022	U
99-87-6	4-Isopropyltoluene	0.0011	U	75-65-0	t-Butyl Alcohol	0.011	U
108-10-1	4-Methyl-2-Pentanone	0.0022	U	98-06-6	t-Butylbenzene	0.0011	U
67-64-1	Acetone	0.011	U	127-18-4	Tetrachloroethene	0.0011	U
107-02-8	Acrolein	0.011	U	108-88-3	Toluene	0.0011	U
107-13-1	Acrylonitrile	0.0054	U	156-60-5	trans-1,2-Dichloroethene	0.0022	U
71-43-2	Benzene	0.0011	U	10061-02-6	trans-1,3-Dichloropropene	0.0022	U
75-27-4	Bromodichloromethane	0.0022	U	79-01-6	Trichloroethene	0.0022	U
75-25-2	Bromoform	0.0022	U	75-69-4	Trichlorofluoromethane	0.0022	U
74-83-9	Bromomethane	0.0022	U	75-01-4	Vinyl Chloride	0.0022	U
75-15-0	Carbon Disulfide	0.0022	U	1330-20-7	Xylenes (Total)	0.0011	U

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

Quantitation Report (QT Reviewed)

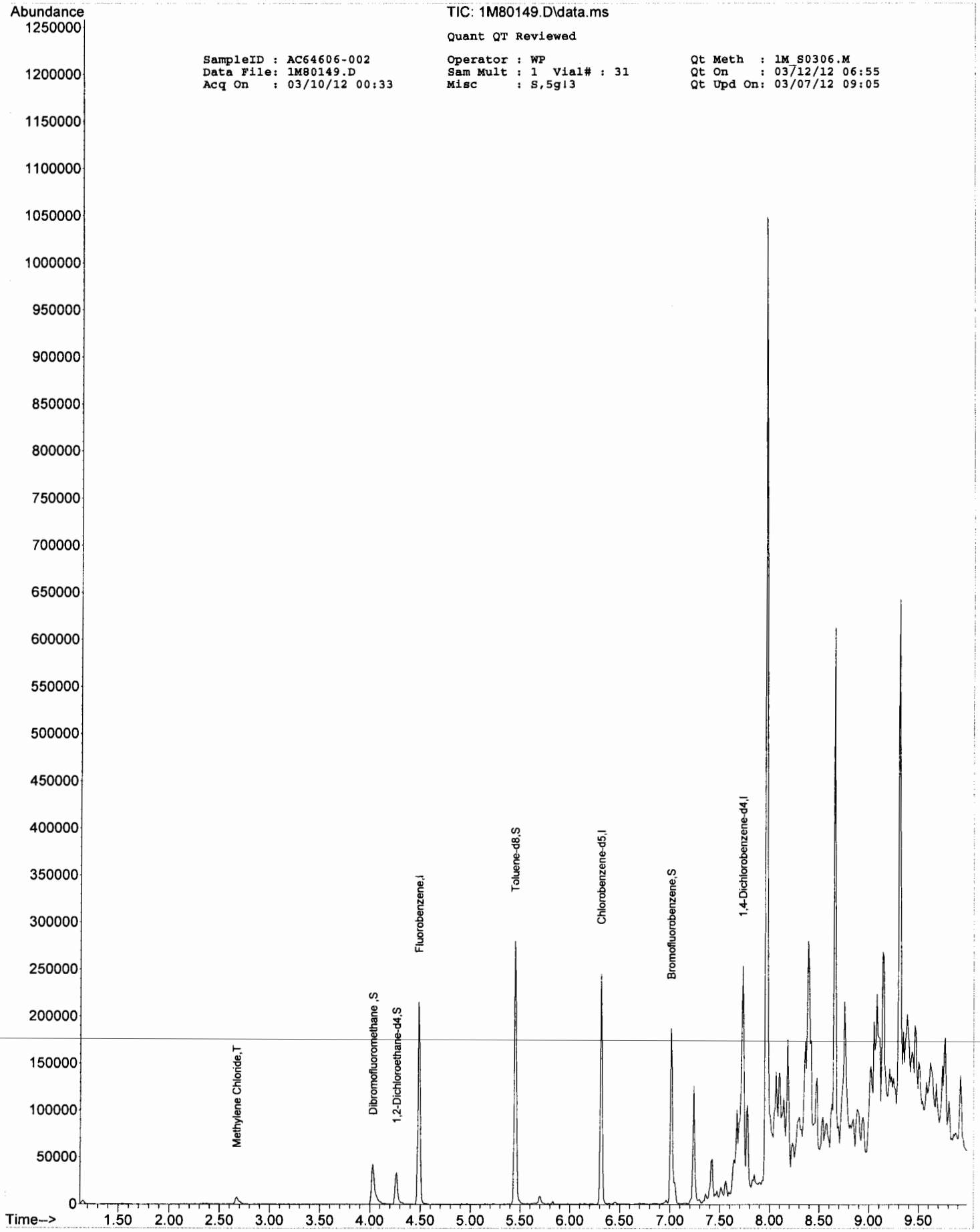
2030726 0021

SampleID : AC64606-002 Operator : WP Qt Meth : 1M_S0306.M
Data File: 1M80149.D Sam Mult : 1 Vial# : 31 Qt On : 03/12/12 06:55
Acq On : 03/10/12 00:33 Misc : S,5g!3 Qt Upd On: 03/07/12 09:05

Data Path : G:\GcMsData\2012\gcms_1\Data\03-09-12\
Qt Path : G:\GCMSDATA\2012\GCMS_1\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.483	96	142365	30.00	ug/l	0.00
50) Chlorobenzene-d5	6.313	117	111864	30.00	ug/l	0.01
68) 1,4-Dichlorobenzene-d4	7.729	152	58866	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.030	111	30503	29.19	ug/l	0.01
Spiked Amount 30.000			Recovery = 97.30%			
38) 1,2-Dichloroethane-d4	4.266	67	11711	30.67	ug/l	0.01
Spiked Amount 30.000			Recovery = 102.23%			
64) Toluene-d8	5.447	98	149788	29.71	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.03%			
74) Bromofluorobenzene	7.011	174	56373	32.89	ug/l	0.00
Spiked Amount 30.000			Recovery = 109.63%			
Target Compounds						Qvalue
15) Methylene Chloride	2.672	84	4409	2.7264	ug/l	82

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 1M80149.D\data.ms
Quant QT Reviewed
SampleID : AC64606-002
Data File: 1M80149.D
Acq On : 03/10/12 00:33
Operator : WP
Sam Mult : 1 Vial# : 31
Misc : S,5g13
Qt Meth : 1M_S0306.M
Qt On : 03/12/12 06:55
Qt Upd On: 03/07/12 09:05
Methylene Chloride,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 1M80114.D
Analysis Date: 03/09/12 15:05
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5g
Final Vol: NA
Dilution: 1.00
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0020	U	56-23-5	Carbon Tetrachloride	0.0020	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0020	U	108-90-7	Chlorobenzene	0.0020	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0010	U	75-00-3	Chloroethane	0.0020	U
79-00-5	1,1,2-Trichloroethane	0.0020	U	67-66-3	Chloroform	0.0020	U
75-34-3	1,1-Dichloroethane	0.0020	U	74-87-3	Chloromethane	0.0020	U
75-35-4	1,1-Dichloroethene	0.0020	U	156-59-2	cis-1,2-Dichloroethene	0.0020	U
96-18-4	1,2,3-Trichloropropane	0.0020	U	10061-01-5	cis-1,3-Dichloropropene	0.0020	U
95-63-6	1,2,4-Trimethylbenzene	0.0010	U	124-48-1	Dibromochloromethane	0.0020	U
95-50-1	1,2-Dichlorobenzene	0.0020	U	75-71-8	Dichlorodifluoromethane	0.0020	U
107-06-2	1,2-Dichloroethane	0.0020	U	100-41-4	Ethylbenzene	0.0010	U
78-87-5	1,2-Dichloropropane	0.0020	U	98-82-8	Isopropylbenzene	0.0010	U
108-67-8	1,3,5-Trimethylbenzene	0.0010	U	136777612	m&p-Xylenes	0.0010	U
541-73-1	1,3-Dichlorobenzene	0.0020	U	75-09-2	Methylene Chloride	0.0020	U
142-28-9	1,3-Dichloropropane	0.0020	U	1634-04-4	Methyl-t-butyl ether	0.0010	U
106-46-7	1,4-Dichlorobenzene	0.0020	U	104-51-8	n-Butylbenzene	0.0010	U
123-91-1	1,4-Dioxane	0.10	U	103-65-1	n-Propylbenzene	0.0010	U
78-93-3	2-Butanone	0.0010	U	95-47-6	o-Xylene	0.0010	U
110-75-8	2-Chloroethylvinylether	0.0020	U	135-98-8	sec-Butylbenzene	0.0010	U
591-78-6	2-Hexanone	0.0020	U	100-42-5	Styrene	0.0020	U
99-87-6	4-Isopropyltoluene	0.0010	U	75-65-0	t-Butyl Alcohol	0.010	U
108-10-1	4-Methyl-2-Pentanone	0.0020	U	98-06-6	t-Butylbenzene	0.0010	U
67-64-1	Acetone	0.010	U	127-18-4	Tetrachloroethene	0.0010	U
107-02-8	Acrolein	0.010	U	108-88-3	Toluene	0.0010	U
107-13-1	Acrylonitrile	0.0050	U	156-60-5	trans-1,2-Dichloroethene	0.0020	U
71-43-2	Benzene	0.0010	U	10061-02-6	trans-1,3-Dichloropropene	0.0020	U
75-27-4	Bromodichloromethane	0.0020	U	79-01-6	Trichloroethene	0.0020	U
75-25-2	Bromoform	0.0020	U	75-69-4	Trichlorofluoromethane	0.0020	U
74-83-9	Bromomethane	0.0020	U	75-01-4	Vinyl Chloride	0.0020	U
75-15-0	Carbon Disulfide	0.0020	U				

Worksheet #: 220811

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

Quantitation Report (QT Reviewed)

2030726 0024

SampleID : DAILY BLANK
Data File: 1M80114.D
Acq On : 03/ 9/12 15:05

Operator : WP
Sam Mult : 1 Vial# : 8
Misc : S,5G

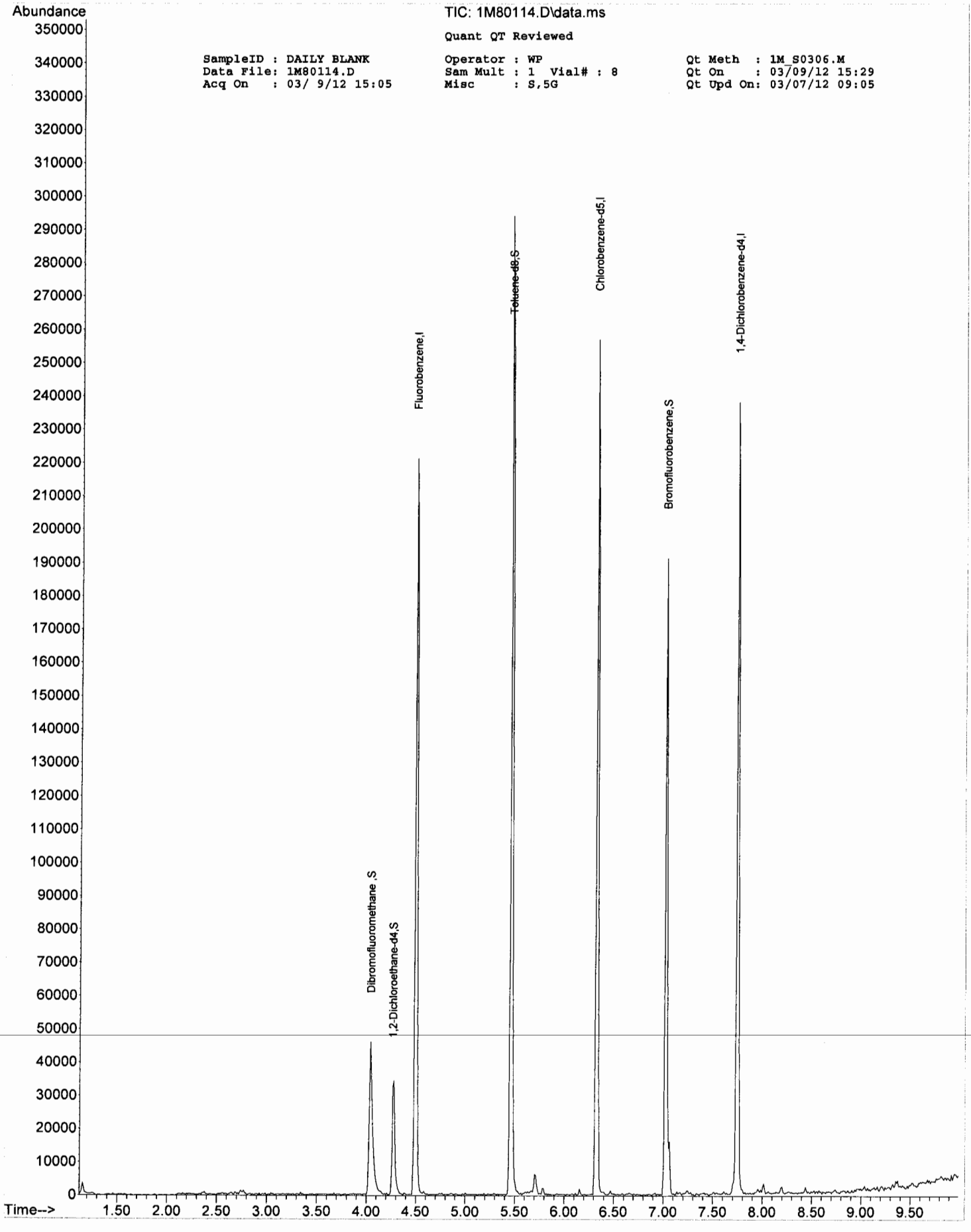
Qt Meth : 1M_S0306.M
Qt On : 03/09/12 15:29
Qt Upd On: 03/07/12 09:05

Data Path : G:\GcMsData\2012\gcms_1\Data\03-09-12\
Qt Path : G:\GCMSDATA\2012\GCMS_1\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.493	96	154826	30.00	ug/l	0.01
50) Chlorobenzene-d5	6.323	117	120651	30.00	ug/l	0.02
68) 1,4-Dichlorobenzene-d4	7.740	152	63464	30.00	ug/l	0.01
System Monitoring Compounds						
36) Dibromofluoromethane	4.041	111	33281	29.28	ug/l	0.02
Spiked Amount 30.000			Recovery = 97.60%			
38) 1,2-Dichloroethane-d4	4.267	67	13255	31.92	ug/l	0.01
Spiked Amount 30.000			Recovery = 106.40%			
64) Toluene-d8	5.457	98	157382	28.94	ug/l	0.01
Spiked Amount 30.000			Recovery = 96.47%			
74) Bromofluorobenzene	7.022	174	54546	29.52	ug/l	0.01
Spiked Amount 30.000			Recovery = 98.40%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 1M80114.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 1M80114.D
Acq On : 03/ 9/12 15:05
Operator : WP
Sam Mult : 1 Vial# : 8
Misc : S,5G
Qt Meth : 1M_S0306.M
Qt On : 03/09/12 15:29
Qt Upd On: 03/07/12 09:05
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

FORM2

Surrogate Recovery

Method: EPA 8260B

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column0 S5 Recov	Column0 S6 Recov
1M80114.D	DAILY BLANK	Soil	03/09/12 15:05	1		98	106	96	98		
1M80148.D	AC64606-001	Soil	03/10/12 00:17	1		97	103	94	95		
1M80149.D	AC64606-002	Soil	03/10/12 00:33	1		97	102	99	110		
1M80115.D	AC64632-002	Soil	03/09/12 15:22	1		103	104	98	104		
1M80116.D	MBS16873	Soil	03/09/12 15:38	1		102	94	96	110		
1M80127.D	MBS16875	Soil	03/09/12 18:36	1		101	97	97	90		
1M80139.D	AC64632-002(	Soil	03/09/12 21:51	1		102	103	96	98		
1M80140.D	AC64632-002(	Soil	03/09/12 22:07	1		100	95	94	107		

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: EPA 8260B

Soil Limits

Compound	Spike Amt	Limits
S1=Dibromofluoromethane	30	63-140
S2=1,2-Dichloroethane-d4	30	63-143
S3=Toluene-d8	30	68-122
S4=Bromofluorobenzene	30	64-129

Form3
Recovery Data
QC Batch: MBS16873

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M80116.D	MBS16873	3/9/2012 3:38:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Soil QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	47.4861	0	50	95	20	130
1,1-Dichloroethene	1	39.8623	0	50	80	50	130
1,1-Dichloroethane	1	42.0587	0	50	84	50	130
Chloroform	1	42.8995	0	50	86	50	130
1,2-Dichloroethane	1	43.4602	0	50	87	50	130
2-Butanone	1	35.2626	0	50	71	20	130
Carbon Tetrachloride	1	48.2021	0	50	96	50	130
Trichloroethene	1	43.1208	0	50	86	50	130
Benzene	1	39.0172	0	50	78	50	130
Tetrachloroethene	1	38.4884	0	50	77	50	130
Toluene	1	37.4536	0	50	75	50	130
Chlorobenzene	1	45.4789	0	50	91	50	130
1,4-Dichlorobenzene	1	34.863	0	50	70	50	130
1,2-Dichlorobenzene	1	42.6126	0	50	85	50	130
n-Propylbenzene	1	44.9199	0	50	90	50	130
sec-Butylbenzene	1	44.4018	0	50	89	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS16875

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M80127.D	MBS16875	3/9/2012 6:36:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Soil QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	38.7432	0	50	77	20	130
1,1-Dichloroethene	1	32.3381	0	50	65	50	130
1,1-Dichloroethane	1	33.154	0	50	66	50	130
Chloroform	1	34.5067	0	50	69	50	130
1,2-Dichloroethane	1	35.542	0	50	71	50	130
2-Butanone	1	21.1138	0	50	42	20	130
Carbon Tetrachloride	1	40.0661	0	50	80	50	130
Trichloroethene	1	35.1285	0	50	70	50	130
Benzene	1	33.0486	0	50	66	50	130
Tetrachloroethene	1	33.9846	0	50	68	50	130
Toluene	1	31.6366	0	50	63	50	130
Chlorobenzene	1	38.921	0	50	78	50	130
1,4-Dichlorobenzene	1	32.2971	0	50	65	50	130
1,2-Dichlorobenzene	1	31.525	0	50	63	50	130
n-Propylbenzene	1	36.0874	0	50	72	50	130
sec-Butylbenzene	1	34.6987	0	50	69	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS16875

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M80139.D	AC64632-002(MS)	3/9/2012 9:51:00 PM
Non Spike(If applicable):	1M80115.D	AC64632-002	3/9/2012 3:22:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Soil QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	58.785	0	50	118	20	130
1,1-Dichloroethene	1	50.9769	0	50	102	50	130
1,1-Dichloroethane	1	52.9813	0	50	106	50	130
Chloroform	1	53.286	0	50	107	50	130
1,2-Dichloroethane	1	52.8316	0	50	106	50	130
2-Butanone	1	52.3425	0	50	105	20	130
Carbon Tetrachloride	1	61.78	0	50	124	50	130
Trichloroethene	1	53.9088	0	50	108	50	130
Benzene	1	48.5764	0	50	97	50	130
Tetrachloroethene	1	50.4379	0	50	101	50	130
Toluene	1	47.7766	0	50	96	50	130
Chlorobenzene	1	57.9016	0	50	116	50	130
1,4-Dichlorobenzene	1	42.8998	0	50	86	50	130
1,2-Dichlorobenzene	1	48.9223	0	50	98	50	130
n-Propylbenzene	1	53.8378	0	50	108	50	130
sec-Butylbenzene	1	50.6697	0	50	101	50	130

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M80140.D	AC64632-002(MSD)	3/9/2012 10:07:00 PM
Non Spike(If applicable):	1M80115.D	AC64632-002	3/9/2012 3:22:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Soil QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	57.5728	0	50	115	20	130
1,1-Dichloroethene	1	45.2881	0	50	91	50	130
1,1-Dichloroethane	1	49.2705	0	50	99	50	130
Chloroform	1	48.3699	0	50	97	50	130
1,2-Dichloroethane	1	50.7328	0	50	101	50	130
2-Butanone	1	44.5765	0	50	89	20	130
Carbon Tetrachloride	1	54.9619	0	50	110	50	130
Trichloroethene	1	48.9025	0	50	98	50	130
Benzene	1	45.4403	0	50	91	50	130
Tetrachloroethene	1	44.0693	0	50	88	50	130
Toluene	1	44.3976	0	50	89	50	130
Chlorobenzene	1	51.4731	0	50	103	50	130
1,4-Dichlorobenzene	1	40.4791	0	50	81	50	130
1,2-Dichlorobenzene	1	44.4531	0	50	89	50	130
n-Propylbenzene	1	53.7202	0	50	107	50	130
sec-Butylbenzene	1	50.1948	0	50	100	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
RPD DATA
QC Batch: MBS16875

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M80140.D	AC64632-002(MSD)	3/9/2012 10:07:00 PM
Duplicate(If applicable):	1M80139.D	AC64632-002(MS)	3/9/2012 9:51:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Soil QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Vinyl Chloride	1	57.5728	58.785	2.1	40
1,1-Dichloroethene	1	45.2881	50.9769	12	40
1,1-Dichloroethane	1	49.2705	52.9813	7.3	40
Chloroform	1	48.3699	53.286	9.7	40
1,2-Dichloroethane	1	50.7328	52.8316	4.1	40
2-Butanone	1	44.5765	52.3425	16	40
Carbon Tetrachloride	1	54.9619	61.78	12	40
Trichloroethene	1	48.9025	53.9088	9.7	40
Benzene	1	45.4403	48.5764	6.7	40
Tetrachloroethene	1	44.0693	50.4379	13	40
Toluene	1	44.3976	47.7766	7.3	40
Chlorobenzene	1	51.4731	57.9016	12	40
1,4-Dichlorobenzene	1	40.4791	42.8998	5.8	40
1,2-Dichlorobenzene	1	44.4531	48.9223	9.6	40
n-Propylbenzene	1	53.7202	53.8378	0.22	40
sec-Butylbenzene	1	50.1948	50.6697	0.94	40

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 1M80114.D
Matrix: Soil

Blank Analysis Date: 03/09/12 15:05
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC64606-001	1M80148.D	03/10/12 00:17
AC64606-002	1M80149.D	03/10/12 00:33
MBS16873	1M80116.D	03/09/12 15:38
AC64632-002(MSD	1M80140.D	03/09/12 22:07
AC64632-002(MS)	1M80139.D	03/09/12 21:51
MBS16875	1M80127.D	03/09/12 18:36
AC64632-002	1M80115.D	03/09/12 15:22

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 1

Data File: 1M79900.D
Analysis Date: 03/06/12 08:34
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.252 to 4.272 min

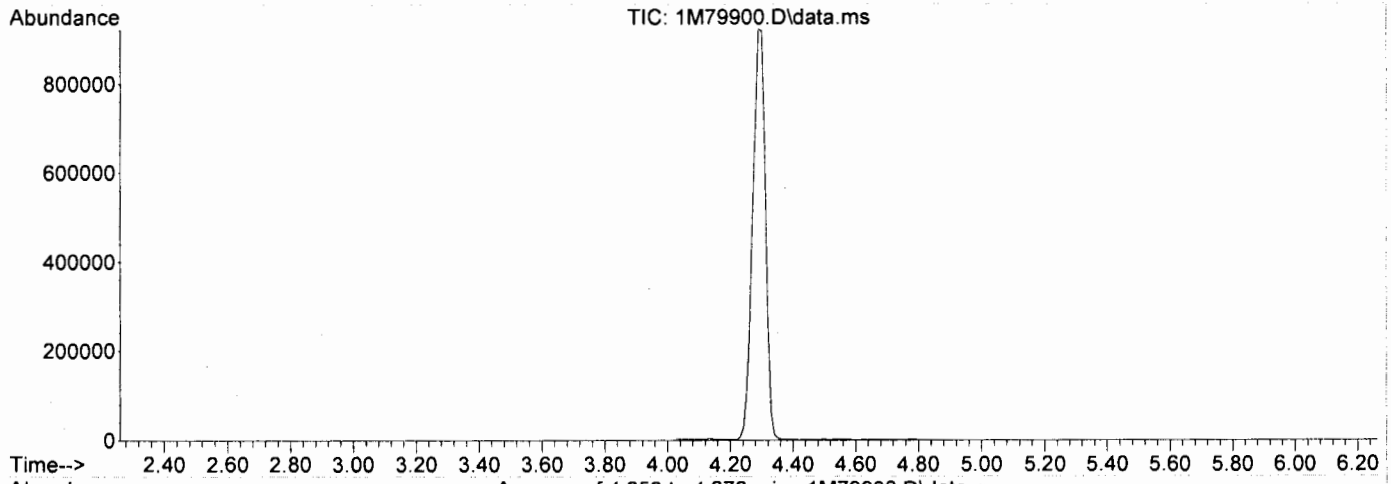
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	20.7	11969	PASS
75	95	30	60	46.7	26975	PASS
95	95	100	100	100.0	57728	PASS
96	95	5	9	7.5	4322	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	91.3	52704	PASS
175	174	5	9	8.9	4689	PASS
176	174	95	101	99.3	52309	PASS
177	176	5	9	6.8	3556	PASS

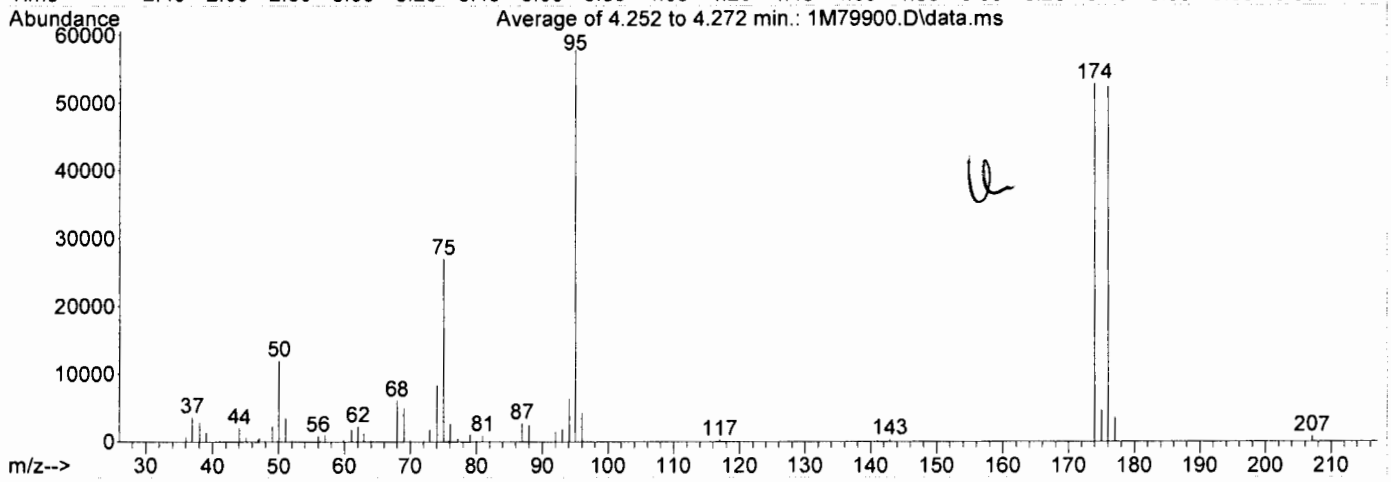
Data File	Sample Number	Analysis Date:
1M79901.D	BLK	03/06/12 08:43
1M79902.D	0.5 PPB	03/06/12 09:00
1M79903.D	CAL @ 1 PPB	03/06/12 09:16
1M79904.D	2 PPB	03/06/12 09:32
1M79905.D	CAL @ 5 PPB	03/06/12 09:49
1M79906.D	1 PPB	03/06/12 10:05
1M79907.D	2 PPB	03/06/12 10:21
1M79908.D	2 PPB	03/06/12 10:37
1M79910.D	BLK	03/06/12 11:00
1M79911.D	CAL @ 2 PPB	03/06/12 11:16
1M79913.D	50 PPB	03/06/12 11:39
1M79914.D	CAL @ 500 PPB	03/06/12 11:55
1M79915.D	CAL @ 250 PPB	03/06/12 12:11
1M79916.D	CAL @ 100 PPB	03/06/12 12:28
1M79917.D	CAL @ 50 PPB	03/06/12 12:44
1M79918.D	CAL @ 20 PPB	03/06/12 13:00
1M79919.D	BLK	03/06/12 13:16
1M79920.D	STD	03/06/12 13:32
1M79922.D	BLK	03/06/12 14:05
1M79923.D	BLK	03/06/12 14:26
1M79926.D	CAL @ 0.5 PPB	03/06/12 15:15
1M79927.D	50 PPB	03/06/12 15:31
1M79928.D	ICV	03/06/12 15:47
1M79929.D	50 PPB	03/06/12 16:03
1M79930.D	BLK	03/06/12 16:19
1M79931.D	BLK	03/06/12 16:36
1M79932.D	DAILY BLANK	03/06/12 16:52
1M79933.D	MBS16832	03/06/12 17:08
1M79934.D	MBS16833	03/06/12 17:24
1M79935.D	BLK	03/06/12 17:41
1M79936.D	AC64504-001	03/06/12 17:57
1M79937.D	AC64504-002	03/06/12 18:13
1M79938.D	AC64504-003	03/06/12 18:30
1M79939.D	AC64504-004	03/06/12 18:46
1M79940.D	AC64504-005	03/06/12 19:02
1M79941.D	AC64504-006	03/06/12 19:18
1M79942.D	AC64504-007	03/06/12 19:35
1M79943.D	AC64504-008	03/06/12 19:51
1M79944.D	AC64504-009	03/06/12 20:07
1M79945.D	BLK	03/06/12 20:23
1M79946.D	BLK	03/06/12 20:40
1M79947.D	BLK	03/06/12 20:56
1M79948.D	BLK	03/06/12 21:12
1M79949.D	BLK	03/06/12 21:28
1M79950.D	BLK	03/06/12 21:44
1M79951.D	BLK	03/06/12 22:01
1M79952.D	BLK	03/06/12 22:17

Data Path : G:\GcMsData\2012\gcms_1\Data\03-06-12\
Data File : 1M79900.D
Acq On : 6 Mar 2012 8:34
Operator : WP
Sample : BFB TUNE
Misc : S,5G
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2012\GCMS_1\METHODQT\1M_S0302.M
Title : @GCMS_1,ug,624,8260
Last Update : Fri Mar 02 12:48:43 2012





Spectrum Information: Average of 4.252 to 4.272 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.7	11969	PASS
75	95	30	60	46.7	26975	PASS
95	95	100	100	100.0	57728	PASS
96	95	5	9	7.5	4322	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	91.3	52704	PASS
175	174	5	9	8.9	4689	PASS
176	174	95	101	99.3	52309	PASS
177	176	5	9	6.8	3556	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 1

Data File: 1M80106.D
Analysis Date: 03/09/12 12:58
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.301 to 4.321 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	17.8	10391	PASS
75	95	30	60	43.4	25408	PASS
95	95	100	100	100.0	58480	PASS
96	95	5	9	7.0	4082	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	98.3	57499	PASS
175	174	5	9	7.4	4280	PASS
176	174	95	101	97.5	56035	PASS
177	176	5	9	7.0	3902	PASS

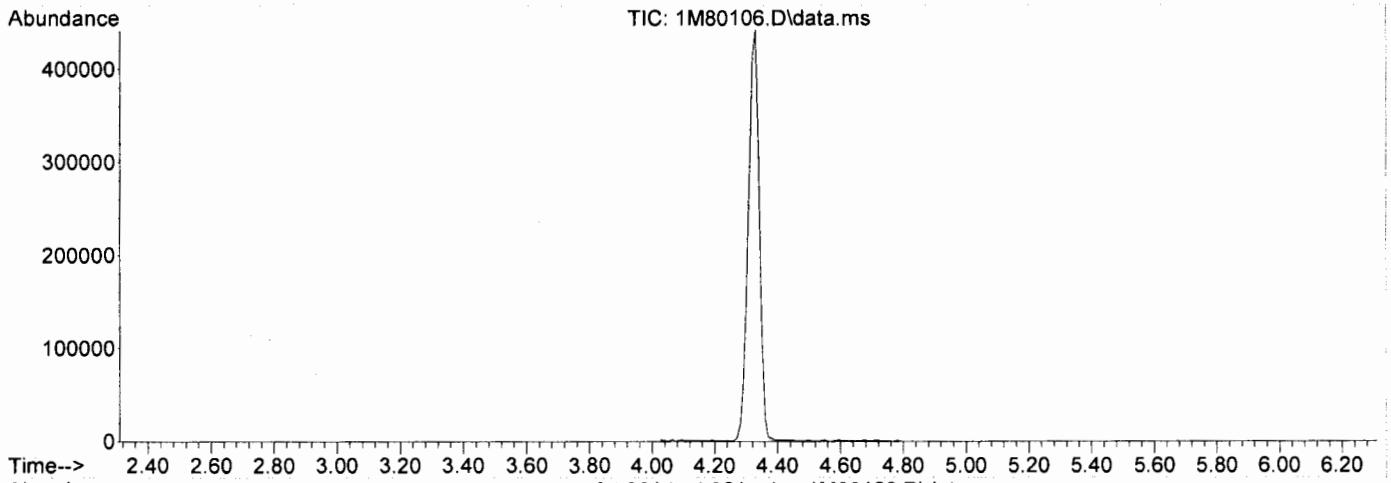
Data File	Sample Number	Analysis Date:
1M80107.D	BLK	03/09/12 13:08
1M80108.D	BLK	03/09/12 13:25
1M80109.D	50 PPB	03/09/12 13:41
1M80110.D	BLK	03/09/12 13:58
1M80111.D	CAL @ 50 PPB	03/09/12 14:15
1M80112.D	BLK	03/09/12 14:32
1M80113.D	BLK	03/09/12 14:49
1M80114.D	DAILY BLANK	03/09/12 15:05
1M80115.D	AC64632-002	03/09/12 15:22
1M80116.D	MBS16873	03/09/12 15:38
1M80117.D	BLK	03/09/12 15:54
1M80118.D	AC64549-002	03/09/12 16:10
1M80119.D	AC64566-001	03/09/12 16:26
1M80120.D	AC64566-002	03/09/12 16:43
1M80121.D	AC64566-004	03/09/12 16:59
1M80122.D	AC64596-001	03/09/12 17:15
1M80123.D	AC64596-002	03/09/12 17:31
1M80124.D	AC64596-003	03/09/12 17:48
1M80125.D	BLK	03/09/12 18:04
1M80126.D	AC64596-004	03/09/12 18:20
1M80127.D	MBS16875	03/09/12 18:36
1M80128.D	AC64599-003	03/09/12 18:52
1M80129.D	BLK	03/09/12 19:09
1M80130.D	AC64566-001	03/09/12 19:25
1M80131.D	AC64596-002	03/09/12 19:41
1M80132.D	AC64596-003	03/09/12 19:57
1M80133.D	AC64599-004	03/09/12 20:13
1M80134.D	AC64599-007	03/09/12 20:30
1M80135.D	AC64599-008	03/09/12 20:46
1M80136.D	AC64566-003	03/09/12 21:02
1M80137.D	AC64599-009	03/09/12 21:18
1M80138.D	AC64599-001	03/09/12 21:34
1M80139.D	AC64632-002(MS)	03/09/12 21:51
1M80140.D	AC64632-002(MSD	03/09/12 22:07
1M80141.D	BLK	03/09/12 22:23
1M80142.D	AC64591-002	03/09/12 22:39
1M80143.D	AC64591-004	03/09/12 22:56
1M80144.D	AC64563-016	03/09/12 23:12
1M80145.D	AC64563-014	03/09/12 23:28
1M80146.D	AC64563-006	03/09/12 23:44
1M80147.D	AC64593-001	03/10/12 00:01
1M80148.D	AC64606-001	03/10/12 00:17
1M80149.D	AC64606-002	03/10/12 00:33
1M80150.D	STD	03/10/12 00:49
1M80151.D	BLK	03/10/12 01:06
1M80152.D	BLK	03/10/12 01:22
1M80153.D	BLK	03/10/12 01:38
1M80154.D	BLK	03/10/12 01:54
1M80155.D	BLK	03/10/12 02:10
1M80156.D	BLK	03/10/12 02:26
1M80157.D	BLK	03/10/12 02:42
1M80158.D	BLK	03/12/12 05:24

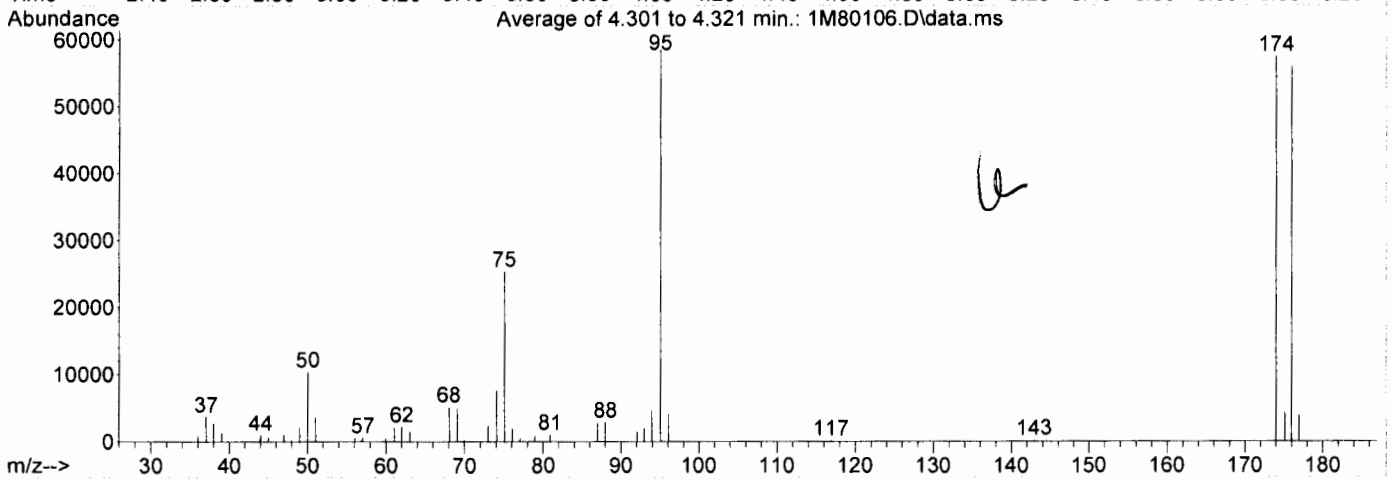
2030726 0035

Data Path : G:\GcMsData\2012\gcms_1\Data\03-09-12\
Data File : 1M80106.D
Acq On : 9 Mar 2012 12:58
Operator : DB
Sample : BFB TUNE
Misc : S,5G
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2012\GCMS_1\METHODQT\1M_S0306.M
Title : @GCMS_1,ug,624,8260
Last Update : Wed Mar 07 07:49:07 2012





Spectrum Information: Average of 4.301 to 4.321 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.8	10391	PASS
75	95	30	60	43.4	25408	PASS
95	95	100	100	100.0	58480	PASS
96	95	5	9	7.0	4082	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	98.3	57499	PASS
175	174	5	9	7.4	4280	PASS
176	174	95	101	97.5	56035	PASS
177	176	5	9	7.0	3902	PASS

0036

Method: EPA 8260B

Form 6
Initial Calibration

Instrument: GCMS_1

20030726

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	1M79917.	CAL @ 50 PPB	03/06/12 12:44	2	1M79914.	CAL @ 500 PPB	03/06/12 11:55
3	1M79915.	CAL @ 250 PPB	03/06/12 12:11	4	1M79916.	CAL @ 100 PPB	03/06/12 12:28
5	1M79918.	CAL @ 20 PPB	03/06/12 13:00	6	1M79905.	CAL @ 5 PPB	03/06/12 09:49
7	1M79911.	CAL @ 2 PPB	03/06/12 11:16	8	1M79903.	CAL @ 1 PPB	03/06/12 09:16
9	1M79926.	CAL @ 0.5 PPB	03/06/12 15:15				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Chlorodifluoromethane	1	0	LinF	0.3551	0.5066	0.5185	0.6697	0.5868	0.8375	1.5843	-----	-----	0.723	1.30	0.994	0.995	56		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Dichlorodifluoromethan	1	0	LinF	0.2574	0.4341	0.4110	0.5446	0.4801	0.4718	0.4397	-----	-----	0.434	1.28	0.994	0.994	21		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Chloromethane	1	0	LinF	0.1501	0.2106	0.2068	0.2498	0.2197	0.2253	0.1103	-----	-----	0.196	1.40	0.997	0.997	25	**(0.100)	50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Bromomethane	1	0	LinF	0.2031	0.2333	0.2346	0.3163	0.2504	0.2557	0.3099	-----	-----	0.258	1.70	0.994	0.995	16		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Vinyl Chloride	1	0	LinF	0.1378	0.2039	0.2144	0.2624	0.2122	0.2367	0.1970	-----	-----	0.209	1.47	0.995	0.996	18	*(30)	50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Chloroethane	1	0	Avg	0.1459	0.2086	0.1942	0.2301	0.2049	0.2105	0.1777	-----	-----	0.196	1.77	0.997	0.998	14		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Trichlorofluoromethane	1	0	LinF	0.3317	0.4980	0.4871	0.6128	0.5368	0.5681	0.4729	-----	-----	0.501	1.97	0.996	0.996	18		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Ethyl ether	1	0	Avg	0.1266	0.1056	0.1072	0.1306	0.1171	0.1068	0.1145	-----	-----	0.116	2.17	0.998	0.998	8.6		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Furan	1	0	Avg	0.5000	0.6521	0.6795	0.6764	0.5981	0.6264	0.6490	-----	-----	0.626	2.19	0.999	0.999	9.9		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
1.1.2-Trichloro-1.2.2-tri	1	0	Qua	0.2344	0.2658	0.3105	0.3965	0.3883	0.3295	0.3128	0.4830	-----	0.340	2.34	0.987	0.996	23		50.00	500.0	250.0	100.0	20.00	5.00	2.00	1.00	
Methylene Chloride	1	0	Qua	0.2074	0.1894	0.2005	0.2242	0.2183	0.2815	0.4087	-----	-----	0.247	2.66	0.999	1.00	31		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Acrolein	1	0	Avg	0.0120	0.0097	0.0102	0.0110	0.0115	0.0081	0.0124	-----	-----	0.0108	2.24	0.999	1.00	14		250.0	2500.	1250.	500.0	100.0	25.00	10.00		
Acrylonitrile	1	0	LinF	0.0263	0.0252	0.0236	0.0276	0.0260	0.0151	0.0116	-----	-----	0.0222	2.84	0.998	0.999	28		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Iodomethane	1	0	Avg	0.4121	0.4716	0.4718	0.5264	0.4397	0.4313	0.4430	-----	-----	0.457	2.45	0.999	0.999	8.2		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Acetone	1	0	LinF	0.0234	0.0171	0.0185	0.0230	0.0243	0.0304	0.0413	-----	-----	0.0255	2.35	0.996	0.999	32		250.0	2500.	1250.	500.0	100.0	25.00	10.00		
Carbon Disulfide	1	0	LinF	0.5637	0.8137	0.7989	0.9961	0.7639	0.7338	0.7324	-----	-----	0.772	2.51	0.996	0.996	17		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
t-Butyl Alcohol	1	0	LinF	0.0056	0.0048	0.0046	0.0064	0.0057	0.0023	0.0048	-----	-----	0.00493	2.72	0.994	0.995	26		250.0	2500.	1250.	500.0	100.0	25.00	10.00		
n-Hexane	1	0	LinF	0.3145	0.4188	0.4309	0.5397	0.5051	0.4517	0.3651	-----	-----	0.432	3.10	0.995	0.996	18		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Di-isopropyl-ether	1	0	Avg	0.7197	0.6817	0.6935	0.8257	0.7979	0.6749	0.7655	-----	-----	0.737	3.25	0.998	0.999	8.1		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
1.1-Dichloroethene	1	0	Avg	0.3243	0.4406	0.4425	0.5398	0.4818	0.4314	0.4516	-----	-----	0.445	2.35	0.997	0.997	15	*(30)	50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Methyl Acetate	1	0	LinF	0.0698	0.0531	0.0581	0.0721	0.0750	0.0804	0.1305	-----	-----	0.0770	2.58	0.995	0.999	33		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Methyl-t-butyl ether	1	0	Avg	0.3246	0.2935	0.2797	0.3591	0.2959	0.2945	0.3014	0.3395	-----	0.311	2.88	0.997	0.997	8.8		50.00	500.0	250.0	100.0	20.00	5.00	2.00	1.00	
1.1-Dichloroethane	1	0	Avg	0.3950	0.4410	0.4581	0.5732	0.4685	0.4335	0.4760	-----	-----	0.464	3.21	0.996	0.997	12	**(0.100)	50.00	500.0	250.0	100.0	20.00	5.00	2.00		
trans-1.2-Dichloroether	1	0	Avg	0.2094	0.3036	0.2718	0.3259	0.2739	0.3300	0.2904	-----	-----	0.286	2.89	0.996	0.998	14		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
cis-1.2-Dichloroethene	1	0	Avg	0.3850	0.4259	0.4280	0.4933	0.4729	0.4173	0.4951	-----	-----	0.445	3.68	0.999	0.999	9.5		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Bromochloromethane	1	0	LinF	0.1903	0.1877	0.1823	0.2317	0.1856	0.2339	0.1452	-----	-----	0.194	3.85	0.997	0.997	16		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
2.2-Dichloropropane	1	0	Avg	0.2859	0.3634	0.3985	0.4305	0.3842	0.3625	0.3528	-----	-----	0.368	3.68	0.996	0.999	12		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Ethyl acetate	1	0	Avg	0.0986	0.0836	0.0891	0.1019	0.0858	0.0865	0.1246	-----	-----	0.0958	3.71	0.998	1.00	15		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
1.4-Dioxane	1	0	Avg	0.0010	0.0008	0.0008	0.0011	0.0010	0.0008	0.0012	-----	-----	.000990	4.91	0.997	0.997	14		2500.	2500	1250	5000.	1000.	250.0	100.0		
1.1-Dichloropropene	1	0	Qua	0.3280	0.3671	0.4339	0.5311	0.4741	0.4214	0.4098	0.5928	-----	0.445	4.18	0.987	0.997	19		50.00	500.0	250.0	100.0	20.00	5.00	2.00	1.00	
Chloroform	1	0	Avg	0.3762	0.4360	0.4501	0.5303	0.4259	0.4080	0.5009	-----	-----	0.447	3.91	0.998	0.998	12	*(30)	50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Dibromofluoromethane	1	0	Avg	0.2265	0.1910	0.2205	0.2346	0.2093	0.2306	0.2204	0.2374	0.2114	0.220	4.02	-1	-1	6.6		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Cyclohexane	1	0	LinF	0.3600	0.5126	0.4730	0.6680	0.6392	0.5149	0.4929	-----	-----	0.523	4.12	0.992	0.993	20		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
1.2-Dichloroethane-d4	1	0	Avg	0.0800	0.0704	0.0787	0.0862	0.0815	0.0776	0.0825	0.0831	0.0839	0.0805	4.26	-1	-1	5.7		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
1.2-Dichloroethane	1	0	LinF	0.2137	-----	0.2051	0.2439	0.2385	0.2347	0.3101	-----	-----	0.241	4.30	0.994	0.998	15		50.00		250.0	100.0	20.00	5.00	2.00		
2-Butanone	1	0	Avg	0.0360	-----	-----	0.0437	0.0410	0.0514	0.0407	0.0514	-----	0.0441	3.67	0.992	0.998	14		50.00			100.0	20.00	5.00	2.00	1.00	
1.1.1-Trichloroethane	1	0	Avg	0.4323	0.4915	0.5152	0.6226	0.5049	0.5035	0.5102	-----	-----	0.512	4.06	0.996	0.998	11		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Carbon Tetrachloride	1	0	Avg	0.3547	0.3995	0.4581	0.5687	0.4628	0.4327	0.4235	-----	-----	0.443	4.19	0.989	0.997	15		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Vinyl Acetate	1	0	Avg	0.5449	0.4914	0.5161	0.6317	0.5555	0.5024	0.5800	-----	-----	0.546	3.25	0.997	0.999	9.0		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Bromodichloromethane	1	0	Avg	0.2783	0.2770	0.2911	0.3271	0.2804	0.2608	0.3475	-----	-----	0.295	5.00	0.998	0.999	11		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Methylcyclohexane	1	0	LinF	0.4270	0.5017	0.5110	0.6730	0.5591	0.5972	0.4618	-----	-----	0.533	4.85	0.995	0.996	16		50.00	500.0	250.0	100.0	20.00	5.00	2.00		

Flags
a - failed the spcc criteria — ** - ccc compound*
b - failed the ccc criteria — *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 15.9
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_1

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	1M79917.	CAL @ 50 PPB	03/06/12 12:44	2	1M79914.	CAL @ 500 PPB	03/06/12 11:55
3	1M79915.	CAL @ 250 PPB	03/06/12 12:11	4	1M79916.	CAL @ 100 PPB	03/06/12 12:28
5	1M79918.	CAL @ 20 PPB	03/06/12 13:00	6	1M79905.	CAL @ 5 PPB	03/06/12 09:49
7	1M79911.	CAL @ 2 PPB	03/06/12 11:16	8	1M79903.	CAL @ 1 PPB	03/06/12 09:16
9	1M79926.	CAL @ 0.5 PPB	03/06/12 15:15				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Dibromomethane	1	0	LinF	0.1660	0.1359	0.1445	0.1760	0.1714	0.1574	0.2345	-----	-----	0.169	4.91	0.997	0.999	19		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
1,2-Dichloropropane	1	0	Avg	0.2421	-----	-----	0.2975	0.2653	0.2262	0.3108	-----	-----	0.268	4.85	0.991	0.999	13	*(30)	50.00			100.0	20.00	5.00	2.00		
Trichloroethene	1	0	Avg	0.3945	0.3897	0.4115	0.5019	0.4500	0.4040	0.5268	-----	-----	0.440	4.71	0.996	0.998	13		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Benzene	1	0	Avg	0.9421	-----	0.9661	1.1560	1.1134	1.1687	1.2689	1.3697	-----	1.14	4.31	0.994	0.997	13		50.00		250.0	100.0	20.00	5.00	2.00	1.00	
Iso-propylacetate	1	0	Avg	0.2479	0.2233	0.2535	0.2860	0.2681	0.3012	0.2945	-----	-----	0.268	4.32	0.994	1.00	10		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Methyl methacrylate	1	0	Avg	0.1342	0.1233	0.1342	0.1593	0.1393	0.1803	0.1680	-----	-----	0.148	4.89	0.996	0.999	14		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Dibromochloromethane	1	0	Avg	0.2572	0.2903	0.2881	0.3229	0.2323	0.2613	0.2856	-----	-----	0.277	5.96	0.999	0.999	11		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
2-Chloroethylvinylether	1	0	Avg	0.0353	0.0412	0.0387	0.0460	0.0333	0.0354	0.0342	-----	-----	0.0377	5.17	0.998	0.998	12		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
cis-1,3-Dichloropropene	1	0	Avg	0.3634	0.3948	0.4289	0.4920	0.4125	0.3676	0.3944	-----	-----	0.408	5.27	0.996	0.999	11		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
trans-1,3-Dichloroprope	1	0	Avg	0.2847	0.3377	0.2862	0.3667	0.2912	0.2623	0.2766	-----	-----	0.301	5.59	0.993	0.996	12		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Ethyl methacrylate	1	0	Avg	0.1830	0.1830	0.1910	0.2150	0.1729	0.1428	0.1669	-----	-----	0.179	5.63	0.998	0.999	12		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
1,1,2-Trichloroethane	1	0	LinF	0.1570	0.1837	0.1816	0.2180	0.1750	0.1929	0.2699	-----	-----	0.197	5.71	0.998	0.998	19		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
1,2-Dibromoethane	1	0	Avg	0.1821	0.1778	0.1738	0.1852	0.1931	0.1765	0.2048	-----	-----	0.185	6.04	1.00	1.00	5.9		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
1,3-Dichloropropane	1	0	Avg	0.2999	0.2565	0.2592	0.3235	0.3193	0.3336	0.3890	-----	-----	0.312	5.81	0.998	0.998	15		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
4-Methyl-2-Pentanone	1	0	Avg	0.1463	0.1293	0.1271	0.1593	0.1443	0.1154	0.1638	-----	-----	0.141	5.35	0.998	0.998	13		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
2-Hexanone	1	0	Avg	0.0944	0.0791	0.0885	0.1062	0.1036	0.0804	0.0772	-----	-----	0.0900	5.84	0.994	0.999	13		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Tetrachloroethene	1	0	Qua	0.4614	0.4969	0.5595	0.7629	0.6927	0.7217	0.6082	0.9966	-----	0.663	5.82	0.987	0.995	26		50.00	500.0	250.0	100.0	20.00	5.00	2.00	1.00	
Toluene-d8	1	0	Avg	1.1639	1.3600	1.2203	1.5211	1.3251	1.4370	1.3363	1.4010	1.4052	1.35	5.45	-1	-1	8.1		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Toluene	1	0	Avg	0.8309	-----	0.9637	1.1720	1.1097	1.1715	1.1027	1.3513	-----	1.10	5.49	0.991	0.994	15	*(30)	50.00		250.0	100.0	20.00	5.00	2.00	1.00	
1,1,1,2-Tetrachloroetha	1	0	Avg	0.2995	0.3332	0.3304	0.3910	0.3953	0.3456	0.4202	-----	-----	0.359	6.37	0.998	0.999	12		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Chlorobenzene	1	0	LinF	0.8504	0.9797	1.0797	1.3641	1.1234	1.3257	1.3110	-----	-----	1.15	6.32	0.992	0.997	17	**(0.300)	50.00	500.0	250.0	100.0	20.00	5.00	2.00		
n-Butyl acrylate	1	0	Avg	0.5508	0.5494	0.6232	0.6130	0.5207	0.3886	0.5092	-----	-----	0.536	6.62	0.996	0.999	15		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
n-Amyl acetate	1	0	Avg	0.5415	0.5236	0.5485	0.6337	0.5554	0.5482	0.4728	-----	-----	0.546	6.75	0.998	0.999	8.7		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Bromoform	1	0	Avg	0.2744	0.3110	0.3540	0.3187	0.2885	0.2438	0.2307	-----	-----	0.289	6.81	0.995	0.998	15	**(0.100)	50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Ethylbenzene	1	0	Avg	0.7653	-----	0.9348	0.9674	0.9428	0.9276	0.7494	1.1458	-----	0.919	6.38	0.998	0.998	15	*(30)	50.00		250.0	100.0	20.00	5.00	2.00	1.00	
1,1,2,2-Tetrachloroetha	1	0	Avg	0.2751	0.3178	0.3061	0.3430	0.3436	0.3483	0.3937	-----	-----	0.333	7.06	0.999	0.999	11	**(0.300)	50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Bromofluorobenzene	1	0	Avg	0.9037	0.8772	0.9017	0.8884	0.7959	0.9052	0.9142	0.8495	0.8258	0.874	7.01	-1	-1	4.7		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Styrene	1	0	Avg	1.7157	1.3251	1.8339	2.0605	1.8672	1.8877	1.5376	-----	-----	1.75	6.70	0.965	0.999	14		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
m&p-Xylenes	1	0	Avg	1.0926	-----	1.2525	1.3860	1.4669	1.5863	1.2819	1.5936	1.4591	1.39	6.45	0.997	0.998	12		100.0		500.0	200.0	40.00	10.00	4.00	2.00	1.00
o-Xylene	1	0	Avg	1.0591	-----	1.2688	1.4140	1.3003	1.3943	1.2126	1.7167	-----	1.34	6.70	0.996	0.997	15		50.00		250.0	100.0	20.00	5.00	2.00	1.00	
trans-1,4-Dichloro-2-bu	1	0	LinF	0.2037	0.2522	0.2854	0.3220	0.2854	0.3143	0.2037	-----	-----	0.267	7.09	0.993	0.998	18		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
1,3-Dichlorobenzene	1	0	Avg	1.4603	-----	1.7017	1.9062	2.0838	2.0018	2.1146	-----	-----	1.88	7.69	0.996	0.996	13		50.00		250.0	100.0	20.00	5.00	2.00		
1,4-Dichlorobenzene	1	0	Avg	1.5627	1.5136	1.7738	1.8197	1.7298	2.0074	1.9863	-----	-----	1.77	7.74	0.993	0.999	11		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
1,2-Dichlorobenzene	1	0	Avg	1.4477	1.1658	1.5087	1.5494	1.4489	1.5244	1.4821	-----	-----	1.45	7.98	0.981	0.999	9.0		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Isopropylbenzene	1	0	Avg	3.0809	-----	3.7002	4.8584	4.1029	3.8133	3.5805	4.4291	-----	3.94	6.90	0.982	0.989	15		50.00		250.0	100.0	20.00	5.00	2.00	1.00	
Cyclohexanone	1	0	LinF	0.0056	-----	0.0067	0.0063	0.0081	0.0137	0.0147	0.0343	-----	0.0128	6.97	0.997	0.999	79		500.0		2500.	1000.	200.0	50.00	20.00	10.00	
Camphene	1	0	Qua	1.0379	1.3238	1.7380	2.0253	1.7534	1.7089	1.1682	-----	-----	1.54	7.09	0.971	0.995	24		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
1,2,3-Trichloropropane	1	0	Avg	0.3779	-----	0.3833	0.4136	0.4001	0.4157	0.5453	-----	-----	0.423	7.11	0.999	0.999	15		50.00		250.0	100.0	20.00	5.00	2.00		
2-Chlorotoluene	1	0	LinF	1.4443	-----	1.5726	1.7966	1.8694	2.3831	1.8465	-----	-----	1.82	7.23	0.996	0.997	18		50.00		250.0	100.0	20.00	5.00	2.00		
p-Ethyltoluene	1	0	Avg	3.2257	-----	3.9051	4.3139	4.5881	4.7364	4.0423	4.8995	-----	4.24	7.23	0.996	0.996	14		50.00		250.0	100.0	20.00	5.00	2.00	1.00	
4-Chlorotoluene	1	0	Avg	1.8202	1.3535	1.8109	1.6409	1.6122	2.0311	2.1750	-----	-----	1.78	7.29	0.976	0.997	15		50.00	500.0	250.0	100.0	20.00	5.00	2.00		

Flags
a - failed the spcc criteria — ** - ccc compound*
b - failed the ccc criteria — *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 15.9
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

20030726 0037

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_1

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	1M79917.	CAL @ 50 PPB	03/06/12 12:44	2	1M79914.	CAL @ 500 PPB	03/06/12 11:55
3	1M79915.	CAL @ 250 PPB	03/06/12 12:11	4	1M79916.	CAL @ 100 PPB	03/06/12 12:28
5	1M79918.	CAL @ 20 PPB	03/06/12 13:00	6	1M79905.	CAL @ 5 PPB	03/06/12 09:49
7	1M79911.	CAL @ 2 PPB	03/06/12 11:16	8	1M79903.	CAL @ 1 PPB	03/06/12 09:16
9	1M79926.	CAL @ 0.5 PPB	03/06/12 15:15				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
n-Propylbenzene	1	0	Avg	3.5757	3.3800	3.9983	4.5461	4.2837	5.0602	4.3484	4.7636	-----	4.24	7.16	0.990	0.999	13	50.00	500.0	250.0	100.0	20.00	5.00	2.00	1.00	
Bromobenzene	1	0	Avg	1.5663	1.2675	1.6273	1.5908	1.6088	1.8074	1.7350	-----	-----	1.60	7.11	0.983	0.999	11	50.00	500.0	250.0	100.0	20.00	5.00	2.00		
1.3.5-Trimethylbenzene	1	0	LinF	2.3887	-----	-----	-----	2.8799	3.0560	6.5310	2.8051	-----	3.53	7.26	0.992	0.997	48	50.00				20.00	5.00	2.00	1.00	
Butyl methacrylate	1	0	Avg	0.8432	0.6796	0.8060	0.9244	0.9730	0.9935	1.0577	-----	-----	0.897	7.27	0.990	1.00	14	50.00	500.0	250.0	100.0	20.00	5.00	2.00		
t-Butylbenzene	1	0	Avg	2.4828	-----	3.5593	3.8678	3.3320	3.3409	2.6935	3.1611	-----	3.21	7.46	0.994	0.994	15	50.00		250.0	100.0	20.00	5.00	2.00	1.00	
1.2.4-Trimethylbenzene	1	0	Avg	2.6752	2.2230	2.9593	3.3450	3.3346	2.8389	2.6640	2.8279	-----	2.86	7.49	0.974	0.999	13	50.00	500.0	250.0	100.0	20.00	5.00	2.00	1.00	
sec-Butylbenzene	1	0	Qua	2.7674	3.2794	3.7724	5.0652	4.8510	5.0259	3.5579	3.9248	-----	4.03	7.60	0.985	0.994	21	50.00	500.0	250.0	100.0	20.00	5.00	2.00	1.00	
4-Isopropyltoluene	1	0	LinF	2.6482	-----	3.4141	3.8615	3.6536	3.6012	3.1619	2.4268	-----	3.25	7.68	0.994	0.995	17	50.00		250.0	100.0	20.00	5.00	2.00	1.00	
n-Butylbenzene	1	0	Avg	2.7347	-----	-----	-----	3.8931	3.6333	3.0859	3.3212	-----	3.33	7.93	0.971	1.00	14	50.00				20.00	5.00	2.00	1.00	
p-Diethylbenzene	1	0	Qua	1.3565	1.5226	1.8825	2.3986	1.9487	1.8383	1.3756	1.9232	-----	1.78	7.92	0.979	0.996	20	50.00	500.0	250.0	100.0	20.00	5.00	2.00	1.00	
1.2.4.5-Tetramethylber	1	0	LinF	1.8601	-----	2.8285	2.7978	2.4906	2.1087	2.0635	-----	-----	2.36	8.42	0.995	0.996	17	50.00		250.0	100.0	20.00	5.00	2.00		
1.2-Dibromo-3-Chloro	1	0	LinF	0.0719	0.0662	0.0715	0.0660	0.0534	0.0489	0.0509	-----	-----	0.0613	8.47	0.998	0.999	16	50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Camphor	1	0	LinF	0.0248	-----	0.0267	0.0279	0.0303	0.0177	0.0158	0.0312	-----	0.0250	8.94	0.999	0.999	24	500.0		2500.	1000.	200.0	50.00	20.00	10.00	
Hexachlorobutadiene	1	0	Avg	0.8523	0.9561	1.1625	1.1770	0.9684	1.0323	0.8202	-----	-----	0.996	9.12	0.988	0.998	14	50.00	500.0	250.0	100.0	20.00	5.00	2.00		
1.2.4-Trichlorobenzene	1	0	Avg	1.0939	0.8751	1.0388	1.2470	1.2538	1.0173	1.0447	-----	-----	1.08	9.02	0.988	0.999	12	50.00	500.0	250.0	100.0	20.00	5.00	2.00		
1.2.3-Trichlorobenzene	1	0	Avg	1.0110	0.7566	0.9183	0.9172	0.9631	0.8573	0.7818	-----	-----	0.887	9.34	0.990	1.00	11	50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Naphthalene	1	0	Lin	1.1882	-----	0.9517	1.0959	1.2093	0.6942	0.8790	1.2960	-----	1.04	9.18	0.995	1.00	20	50.00		250.0	100.0	20.00	5.00	2.00	1.00	

Flags
a - failed the spcc criteria — ** - ccc compound*
b - failed the ccc criteria — *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 15.9
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB **Data File:** 1M80111.D **Instrument:** GCMS 1

Cont Calibration Date/Time 3/9/2012 2:15:00 PM Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.50	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.29	52.50				0.723			
Dichlorodifluoromethane	1	0		1.29	37.97	50			0.434	0.328	24.06	
Chloromethane	1	0	CP	1.39	48.95	50	0.1		0.196	0.206	2.11	
Bromomethane	1	0		1.71	49.76	50			0.258	0.235	0.49	
Vinyl Chloride	1	0	CC	1.48	51.51	50	20		0.209	0.214	3.02	
Chloroethane	1	0		1.78	48.13	50			0.196	0.189	3.74	
Trichlorofluoromethane	1	0		1.98	47.41	50			0.501	0.472	5.18	
Ethyl ether	1	0		2.18	42.75	50			0.116	0.099	14.50	
Furan	1	0		2.20	46.36	50			0.626	0.580	7.28	
1.1.2-Trichloro-1.2.2-trifluoroetha	1	0		2.36	48.72	50			0.340	0.346	2.56	
Methylene Chloride	1	0		2.68	50.89	50			0.247	0.222	1.78	
Acrolein	1	0		2.26	265.09	250			0.011	0.011	6.03	
Acrylonitrile	1	0		2.85	54.79	50			0.022	0.027	9.58	
Iodomethane	1	0		2.46	57.62	50			0.457	0.526	15.24	
Acetone	1	0		2.36	365.70	250			0.025	0.026	46.28	
Carbon Disulfide	1	0		2.52	52.32	50			0.772	0.852	4.64	
t-Butyl Alcohol	1	0		2.73	325.21	250			0.005	0.006	30.08	
n-Hexane	1	0		3.13	55.23	50			0.432	0.469	10.46	
Di-isopropyl-ether	1	0		3.28	52.13	50			0.737	0.768	4.26	
1.1-Dichloroethene	1	0	CC	2.36	52.53	50	20		0.445	0.467	5.05	
Methyl Acetate	1	0		2.61	57.77	50			0.077	0.063	15.54	
Methyl-t-butyl ether	1	0		2.90	47.85	50			0.311	0.298	4.29	
1.1-Dichloroethane	1	0	CP	3.22	53.40	50	0.1		0.464	0.495	6.80	
trans-1.2-Dichloroethene	1	0		2.91	54.01	50			0.286	0.309	8.02	
cis-1.2-Dichloroethene	1	0		3.70	52.29	50			0.445	0.466	4.58	
Bromochloromethane	1	0		3.87	53.59	50			0.194	0.202	7.18	
2.2-Dichloropropane	1	0		3.70	57.59	50			0.368	0.424	15.17	
Ethyl acetate	1	0		3.73	51.18				0.096			
1.4-Dioxane	1	0		4.93	3072.37	2500			0.001	0.001	22.89	
1.1-Dichloropropene	1	0		4.19	47.84	50			0.445	0.470	4.32	
Chloroform	1	0	CC	3.93	52.80	50	20		0.447	0.472	5.60	
Dibromofluoromethane	1	0	S	4.04	28.84	75			0.220	0.212	3.88	
Cyclohexane	1	0		4.13	57.69	50			0.523	0.587	15.38	
1.2-Dichloroethane-d4	1	0	S	4.27	27.45	75			0.080	0.074	8.49	
1.2-Dichloroethane	1	0		4.33	56.29	50			0.241	0.237	12.58	
2-Butanone	1	0		3.69	50.21	50			0.044	0.044	0.41	
1.1.1-Trichloroethane	1	0		4.08	53.14	50			0.512	0.544	6.28	
Carbon Tetrachloride	1	0		4.20	58.32	50			0.443	0.517	16.64	
Vinyl Acetate	1	0		3.26	52.74	50			0.546	0.576	5.47	
Bromodichloromethane	1	0		5.01	55.36	50			0.295	0.326	10.71	
Methylcyclohexane	1	0		4.86	63.59	50			0.533	0.646	27.19	
Dibromomethane	1	0		4.94	60.76	50			0.169	0.169	21.53	
1.2-Dichloropropane	1	0	CC	4.86	48.35	50	20		0.268	0.260	3.30	
Trichloroethene	1	0		4.73	52.65	50			0.440	0.463	5.30	
Benzene	1	0		4.33	48.41	50			1.141	1.104	3.19	
Chlorobenzene-d5	1	0	I	6.32	30.00	30				0.000	0.00	
Iso-propylacetate	1	0		4.34	54.61				0.268			
Methyl methacrylate	1	0		4.91	56.15				0.148			
Dibromochloromethane	1	0		5.97	56.75	50			0.277	0.314	13.49	
2-Chloroethylvinylether	1	0		5.18	60.78	50			0.038	0.046	21.57	
cis-1.3-Dichloropropene	1	0		5.29	55.85	50			0.408	0.455	11.70	
trans-1.3-Dichloropropene	1	0		5.61	55.48	50			0.301	0.334	10.96	
Ethyl methacrylate	1	0		5.65	56.43				0.179			
1.1.2-Trichloroethane	1	0		5.72	60.49	50			0.197	0.223	20.99	
1.2-Dibromoethane	1	0		6.05	57.34	50			0.185	0.212	14.67	
1.3-Dichloropropane	1	0		5.83	55.26	50			0.312	0.344	10.51	
4-Methyl-2-Pentanone	1	0		5.37	58.10	50			0.141	0.164	16.19	
2-Hexanone	1	0		5.86	67.47	50			0.090	0.121	34.94	
Tetrachloroethene	1	0		5.84	53.85	50			0.663	0.697	7.71	
Toluene-d8	1	0	S	5.46	30.56	75			1.352	1.378	1.88	
Toluene	1	0	CC	5.51	52.41	50	20		1.100	1.153	4.83	
1.1.1.2-Tetrachloroethane	1	0		6.38	57.77	50			0.359	0.415	15.53	
Chlorobenzene	1	0	CP	6.34	62.96	50	0.3		1.148	1.272	25.92	
1.4-Dichlorobenzene-d4	1	0	I	7.74	30.00	30				0.000	0.00	
n-Butyl acrylate	1	0		6.64	57.83				0.536			
n-Amyl acetate	1	0		6.77	57.99				0.546			
Bromoform	1	0	CP	6.83	60.76	50	0.1		0.289	0.351	21.53	
Ethylbenzene	1	0	CC	6.40	55.24	50	20		0.919	1.015	10.47	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/Q - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB **Data File:** 1M80111.D **Instrument:** GCMS 1

Cont Calibration Date/Time 3/9/2012 2:15:00 PM Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,1,2,2-Tetrachloroethane	1	0	CP	7.08	62.66	50	0.3		0.333	0.417	25.32	
Bromofluorobenzene	1	0	S	7.03	31.41	75			0.874	0.915	4.69	
Styrene	1	0		6.71	61.17	50			1.747	2.137	22.34	
m&p-Xylenes	1	0		6.47	115.48	100			1.390	1.605	15.48	
o-Xylene	1	0		6.71	53.30	50			1.338	1.426	6.60	
trans-1,4-Dichloro-2-butene	1	0		7.11	60.65	50			0.267	0.316	21.31	
1,3-Dichlorobenzene	1	0		7.71	55.79	50			1.878	2.096	11.59	
1,4-Dichlorobenzene	1	0		7.76	48.80	50			1.771	1.728	2.40	
1,2-Dichlorobenzene	1	0		8.00	49.66	50			1.447	1.437	0.67	
Isopropylbenzene	1	0		6.92	58.07	50			3.938	4.574	16.14	
Cyclohexanone	1	0		6.98	594.51				0.013			
Camphene	1	0		7.11	45.41	50			1.537	1.810	9.18	
1,2,3-Trichloropropane	1	0		7.12	52.94	50			0.423	0.448	5.89	
2-Chlorotoluene	1	0		7.24	72.41	50			1.819	2.317	44.83	
p-Ethyltoluene	1	0		7.24	62.25				4.244			
4-Chlorotoluene	1	0		7.31	59.77	50			1.778	2.125	19.54	
n-Propylbenzene	1	0		7.17	61.83	50			4.245	5.249	23.67	
Bromobenzene	1	0		7.13	53.92	50			1.600	1.726	7.83	
1,3,5-Trimethylbenzene	1	0		7.27	56.02	50			3.532	2.764	12.04	
Butyl methacrylate	1	0		7.29	42.82				0.897			
t-Butylbenzene	1	0		7.48	62.09	50			3.205	3.980	24.18	
1,2,4-Trimethylbenzene	1	0		7.51	60.88	50			2.859	3.480	21.76	
sec-Butylbenzene	1	0		7.62	60.73	50			4.031	5.262	21.47	
4-Isopropyltoluene	1	0		7.70	62.53	50			3.253	4.314	25.07	
n-Butylbenzene	1	0		7.96	65.92	50			3.334	4.395	31.84	
p-Diethylbenzene	1	0		7.94	56.07				1.781			
1,2,4,5-Tetramethylbenzene	1	0		8.44	47.77				2.358			
1,2-Dibromo-3-Chloropropane	1	0		8.49	51.99	50			0.061	0.070	3.98	
Camphor	1	0		8.97	397.43	500			0.025	0.021	20.51	
Hexachlorobutadiene	1	0		9.14	61.53	50			0.996	1.225	23.05	
1,2,4-Trichlorobenzene	1	0		9.04	53.06	50			1.082	1.148	6.12	
1,2,3-Trichlorobenzene	1	0		9.36	48.44	50			0.887	0.859	3.12	
Naphthalene	1	0		9.20	32.96	50			1.045	0.711	34.08	
1,2-Dioxane	1	100		0.00	0.00	5000				0.000	100.00	
Freon 113	1	100		0.00	0.00	50				0.000	100.00	
tert-Amyl methyl ether	1	100		0.00	0.00	50				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

FORM8

Internal Standard Areas

Evaluation Std Data File: 1M79917.D Method: EPA 8260B

Analysis Date/Time: 03/06/12 12:44

Lab File ID: CAL @ 50 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	170209	4.48	146390	6.30	79141	7.73						
Eval File Area Limit:	85104-340418		73195-292780		39570-158282							
Eval File Rt Limit:	3.98-4.98		5.8-6.8		7.23-8.23							

Data File	Sample						
1M79901.D	BLK	127833	4.47	87301	6.30	46262	7.73
1M79902.D	0.5 PPB	88323	4.48	71188 A	6.31	38750 A	7.72
1M79903.D	CAL @ 1 PPB	104340	4.48	76544	6.31	45923	7.73
1M79904.D	2 PPB	105961	4.48	83221	6.30	44029	7.73
1M79905.D	CAL @ 5 PPB	113495	4.48	76374	6.31	43305	7.72
1M79906.D	1 PPB	108929	4.48	81435	6.30	46684	7.72
1M79907.D	2 PPB	124398	4.48	89917	6.31	48397	7.72
1M79908.D	2 PPB	126266	4.48	96900	6.31	55823	7.72
1M79910.D	BLK	155139	4.48	125637	6.31	81471	7.73
1M79911.D	CAL @ 2 PPB	176870	4.48	136209	6.31	77758	7.73
1M79913.D	50 PPB	196876	4.48	150328	6.31	91060	7.73
1M79914.D	CAL @ 500 P	193755	4.48	143008	6.30	80286	7.73
1M79915.D	CAL @ 250 P	193931	4.48	152644	6.30	75177	7.72
1M79916.D	CAL @ 100 P	163850	4.48	127782	6.31	74798	7.73
1M79917.D	CAL @ 50 PP	170209	4.48	146390	6.30	79141	7.73
1M79918.D	CAL @ 20 PP	177200	4.48	138638	6.30	79901	7.72
1M79919.D	BLK	178468	4.48	142324	6.30	79446	7.73
1M79920.D	STD	190035	4.48	138282	6.31	77794	7.72
1M79922.D	BLK	175228	4.48	129906	6.31	72940	7.73
1M79923.D	BLK	191435	4.48	151288	6.31	81353	7.73
1M79926.D	CAL @ 0.5 PF	164581	4.48	129355	6.31	71756	7.72
1M79927.D	50 PPB	173221	4.48	136014	6.31	82377	7.73
1M79928.D	ICV	177613	4.48	136854	6.30	77222	7.72
1M79929.D	50 PPB	170737	4.48	140722	6.31	74728	7.73
1M79930.D	BLK	175551	4.48	137228	6.31	75894	7.73
1M79931.D	BLK	195139	4.48	143903	6.31	79922	7.73
1M79932.D	DAILY BLANK	164209	4.48	140486	6.31	72165	7.73
1M79933.D	MBS16832	166009	4.48	147096	6.30	78782	7.72
1M79934.D	MBS16833	180502	4.48	125791	6.30	74912	7.73
1M79935.D	BLK	238861	4.48	102579	6.31	69104	7.73
1M79936.D	AC64504-001	172249	4.48	128882	6.31	72516	7.73
1M79937.D	AC64504-002	215918	4.48	101759	6.31	63695	7.73
1M79938.D	AC64504-003	116664	4.48	49500 A	6.31	25275 A	7.73
1M79939.D	AC64504-004	0 A	0.00 R	0 A	0.00 R	0 A	0.00 R
1M79940.D	AC64504-005	244591	4.47	105118	6.30	63982	7.72
1M79941.D	AC64504-006	307441	4.48	131983	6.30	73767	7.72
1M79942.D	AC64504-007	185309	4.48	138781	6.30	80686	7.73
1M79943.D	AC64504-008	158626	4.47	121037	6.30	71417	7.72
1M79944.D	AC64504-009	0 A	0.00 R	0 A	0.00 R	0 A	0.00 R
1M79945.D	BLK	168121	4.48	122050	6.30	73252	7.72
1M79946.D	BLK	140594	4.48	118443	6.30	62656	7.72
1M79947.D	BLK	316964	4.48	138233	6.30	72156	7.73
1M79948.D	BLK	158960	4.48	113730	6.30	68595	7.72
1M79949.D	BLK	261024	4.48	113174	6.31	69793	7.72
1M79950.D	BLK	172426	4.48	138340	6.30	79420	7.72
1M79951.D	BLK	180469	4.48	148410	6.30	78800	7.72
1M79952.D	BLK	184425	4.48	147914	6.31	84354	7.72

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 1M80111.D Method: EPA 8260B

Analysis Date/Time: 03/09/12 14:15

Lab File ID: CAL @ 50 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	162580	4.50	119539	6.32	63262	7.74						
Eval File Area Limit:	81290-325160		59770-239078		31631-126524							
Eval File Rt Limit:	4-5		5.82-6.82		7.24-8.24							

Data File	Sample						
1M80107.D	BLK	445047	4.49	388712	6.32	193055	7.74
1M80108.D	BLK	484235	4.49	358267	6.32	195564	7.74
1M80109.D	50 PPB	419046	4.49	308573	6.32	204828	7.74
1M80110.D	BLK	147989	4.50	114880	6.32	60818	7.74
1M80112.D	BLK	149665	4.49	119399	6.32	67212	7.75
1M80113.D	BLK	157125	4.50	125442	6.33	71412	7.75
1M80114.D	DAILY BLANK	154826	4.49	120651	6.32	63464	7.74
1M80115.D	AC64632-002	154115	4.49	118655	6.32	59688	7.74
1M80116.D	MBS16873	162807	4.49	125629	6.32	62550	7.74
1M80117.D	BLK	154970	4.50	122464	6.32	60734	7.75
1M80118.D	AC64549-002	144234	4.50	114873	6.32	62610	7.75
1M80119.D	AC64566-001	0 A	0.00 R	0 A	0.00 R	0 A	0.00 R
1M80120.D	AC64566-002	109158	4.49	87677	6.32	53894	7.74
1M80121.D	AC64566-004	135463	4.49	105095	6.32	57239	7.74
1M80122.D	AC64596-001	128466	4.49	99989	6.32	49211	7.74
1M80123.D	AC64596-002	0 A	0.00 R	0 A	0.00 R	0 A	0.00 R
1M80124.D	AC64596-003	0 A	0.00 R	0 A	0.00 R	0 A	0.00 R
1M80125.D	BLK	156317	4.49	117752	6.32	63115	7.74
1M80126.D	AC64596-004	144887	4.49	113499	6.32	57941	7.74
1M80127.D	MBS16875	156255	4.49	121587	6.32	68152	7.74
1M80128.D	AC64599-003	144552	4.49	107712	6.32	50070	7.74
1M80129.D	BLK	143650	4.49	114366	6.32	61921	7.74
1M80130.D	AC64566-001	136611	4.49	101734	6.32	52362	7.74
1M80131.D	AC64596-002	130863	4.49	102438	6.32	56459	7.74
1M80132.D	AC64596-003	137209	4.49	111482	6.32	60806	7.74
1M80133.D	AC64599-004	131902	4.49	102245	6.32	56392	7.74
1M80134.D	AC64599-007	124635	4.49	95652	6.32	54339	7.74
1M80135.D	AC64599-008	128936	4.49	101446	6.32	58314	7.74
1M80136.D	AC64566-003	96849	4.49	75966	6.32	41539	7.74
1M80137.D	AC64599-009	121520	4.49	91240	6.32	49430	7.74
1M80138.D	AC64599-001	139145	4.49	112265	6.32	56039	7.74
1M80139.D	AC64632-002(	138837	4.49	112230	6.32	62065	7.74
1M80140.D	AC64632-002(	139993	4.49	113219	6.32	55518	7.74
1M80141.D	BLK	134363	4.49	108194	6.32	63358	7.74
1M80142.D	AC64591-002	140025	4.49	108504	6.31	45364	7.73
1M80143.D	AC64591-004	139296	4.49	104673	6.31	54642	7.73
1M80144.D	AC64563-016	146796	4.48	112036	6.31	54745	7.73
1M80145.D	AC64563-014	146240	4.48	114208	6.31	60507	7.73
1M80146.D	AC64563-006	150445	4.49	115292	6.31	71061	7.74
1M80147.D	AC64593-001	135827	4.48	106978	6.31	60291	7.73
1M80148.D	AC64606-001	142662	4.49	114512	6.32	63487	7.74
1M80149.D	AC64606-002	142365	4.48	111864	6.31	58866	7.73
1M80150.D	STD	165750	4.49	132359	6.31	76243	7.73
1M80151.D	BLK	156422	4.49	127522	6.31	65573	7.73
1M80152.D	BLK	148042	4.48	118306	6.31	57845	7.73
1M80153.D	BLK	142077	4.48	111424	6.31	65772	7.73
1M80154.D	BLK	169264	4.49	135901	6.31	70950	7.73
1M80155.D	BLK	147833	4.49	113520	6.31	69233	7.73
1M80156.D	BLK	145474	4.48	117742	6.31	67060	7.73
1M80157.D	BLK	168577	4.48	131481	6.31	71708	7.73
1M80158.D	BLK	149165	4.48	122910	6.31	69919	7.73

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

Semi-Volatile Data

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC64606-001
Client Id: B-3
Data File: 5M73452.D
Analysis Date: 03/11/12 20:37
Date Rec/Extracted: 03/07/12-03/10/12
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 93

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
122-66-7	1,2-Diphenylhydrazine	0.036	U	207-08-9	Benzo[k]fluoranthene	0.036	U
95-95-4	2,4,5-Trichlorophenol	0.036	U	65-85-0	Benzoic Acid	0.18	U
88-06-2	2,4,6-Trichlorophenol	0.036	U	111-91-1	bis(2-Chloroethoxy)methan	0.036	U
120-83-2	2,4-Dichlorophenol	0.0090	U	111-44-4	bis(2-Chloroethyl)ether	0.0090	U
105-67-9	2,4-Dimethylphenol	0.036	U	108-60-1	bis(2-chloroisopropyl)ether	0.036	U
51-28-5	2,4-Dinitrophenol	0.073	U	**117-81-7**	**bis(2-Ethylhexyl)phthalate**	**0.036**	**0.080**
121-14-2	2,4-Dinitrotoluene	0.036	U	85-68-7	Butylbenzylphthalate	0.036	U
606-20-2	2,6-Dinitrotoluene	0.036	U	86-74-8	Carbazole	0.036	U
91-58-7	2-Chloronaphthalene	0.036	U	218-01-9	Chrysene	0.036	U
95-57-8	2-Chlorophenol	0.036	U	53-70-3	Dibenzo[a,h]anthracene	0.036	U
91-57-6	2-Methylnaphthalene	0.036	U	132-64-9	Dibenzofuran	0.0090	U
95-48-7	2-Methylphenol	0.0090	U	84-66-2	Diethylphthalate	0.036	U
88-74-4	2-Nitroaniline	0.036	U	131-11-3	Dimethylphthalate	0.036	U
88-75-5	2-Nitrophenol	0.036	U	84-74-2	Di-n-butylphthalate	0.018	U
106-44-5	3&4-Methylphenol	0.0090	U	117-84-0	Di-n-octylphthalate	0.036	U
91-94-1	3,3'-Dichlorobenzidine	0.036	U	206-44-0	Fluoranthene	0.036	U
99-09-2	3-Nitroaniline	0.036	U	86-73-7	Fluorene	0.036	U
534-52-1	4,6-Dinitro-2-methylphenol	0.036	U	118-74-1	Hexachlorobenzene	0.036	U
101-55-3	4-Bromophenyl-phenylether	0.036	U	87-68-3	Hexachlorobutadiene	0.036	U
59-50-7	4-Chloro-3-methylphenol	0.036	U	77-47-4	Hexachlorocyclopentadiene	0.036	U
106-47-8	4-Chloroaniline	0.017	U	67-72-1	Hexachloroethane	0.036	U
7005-72-3	4-Chlorophenyl-phenylether	0.036	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.036	U
100-01-6	4-Nitroaniline	0.036	U	78-59-1	Isophorone	0.036	U
100-02-7	4-Nitrophenol	0.036	U	91-20-3	Naphthalene	0.0090	U
83-32-9	Acenaphthene	0.036	U	98-95-3	Nitrobenzene	0.036	U
208-96-8	Acenaphthylene	0.036	U	62-75-9	N-Nitrosodimethylamine	0.036	U
62-53-3	Aniline	0.015	U	621-64-7	N-Nitroso-di-n-propylamine	0.0090	U
120-12-7	Anthracene	0.036	U	86-30-6	n-Nitrosodiphenylamine	0.036	U
92-87-5	Benzidine	0.036	U	87-86-5	Pentachlorophenol	0.18	U
56-55-3	Benzo[a]anthracene	0.036	U	85-01-8	Phenanthrene	0.036	U
50-32-8	Benzo[a]pyrene	0.036	U	108-95-2	Phenol	0.036	U
205-99-2	Benzo[b]fluoranthene	0.036	U	129-00-0	Pyrene	0.036	U
191-24-2	Benzo[g,h,i]perylene	0.036	U				

Worksheet #: 220959 ***Total Target Concentration*** 1 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Quantitation Report (QT Reviewed)

SampleID : AC64606-001 Operator : AHD Qt Meth : 5M_0306.M
Data File: 5M73452.D Sam Mult : 1 Vial# : 20 Qt On : 03/12/12 07:37
Acq On : 03/11/12 20:37 Misc : S,BNA Qt Upd On: 03/06/12 16:27

Data Path : G:\GcMsData\2012\GCMS_5\Data\03-11-12\
Qt Path : G:\GCMSDATA\2012\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.590	152	45982	40.00	ng	-0.03
30) Naphthalene-d8	6.611	136	184731	40.00	ng	-0.03
48) Acenaphthene-d10	8.010	164	123660	40.00	ng	-0.03
75) Phenanthrene-d10	9.458	188	245744	40.00	ng	-0.03
89) Chrysene-d12	12.509	240	312544	40.00	ng	-0.04
101) Perylene-d12	14.111	264	294389	40.00	ng	-0.14
System Monitoring Compounds						
11) 2-Fluorophenol	4.367	112	117826	86.45	ng	-0.02
Spiked Amount 100.000			Recovery = 86.45%			
16) Phenol-d5	5.275	99	161754	87.65	ng	-0.02
Spiked Amount 100.000			Recovery = 87.65%			
31) Nitrobenzene-d5	6.050	128	35177	44.06	ng	-0.03
Spiked Amount 50.000			Recovery = 88.12%			
53) 2-Fluorobiphenyl	7.439	172	184192	42.69	ng	-0.03
Spiked Amount 50.000			Recovery = 85.38%			
78) 2,4,6-Tribromophenol	8.742	330	84726	97.08	ng	-0.03
Spiked Amount 100.000			Recovery = 97.08%			
92) Terphenyl-d14	11.269	244	291487	49.06	ng	-0.03
Spiked Amount 50.000			Recovery = 98.12%			
Target Compounds						Qvalue
100) bis(2-Ethylhexyl)phtha...	12.557	149	21795	4.4563	ng	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

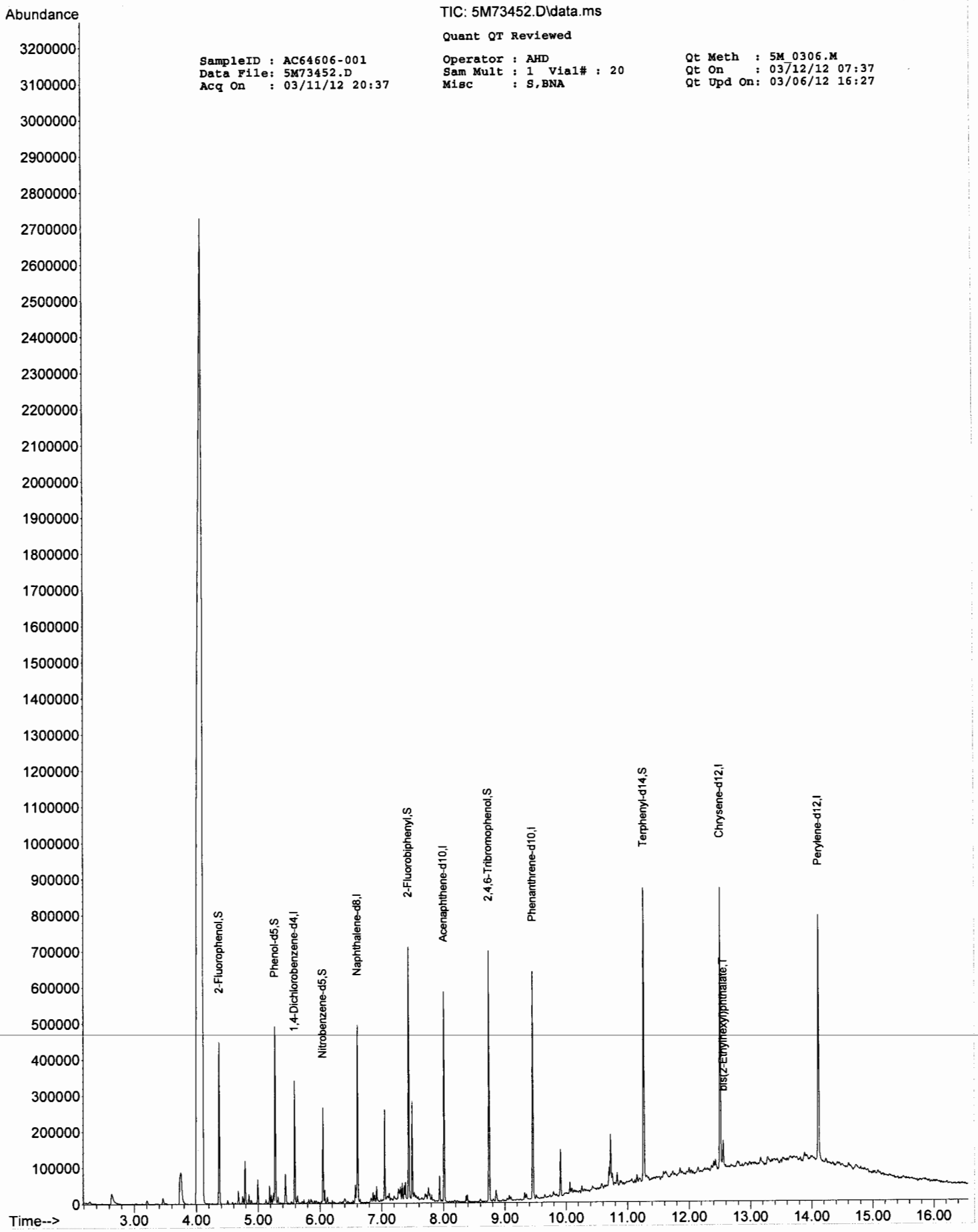
TIC: 5M73452.D\data.ms

Quant QT Reviewed

SampleID : AC64606-001
Data File: 5M73452.D
Acq On : 03/11/12 20:37

Operator : AHD
Sam Mult : 1 Vial# : 20
Misc : S,BNA

Qt Meth : 5M_0306.M
Qt On : 03/12/12 07:37
Qt Upd On: 03/06/12 16:27



Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC64606-002
Client Id: B-2
Data File: 5M73453.D
Analysis Date: 03/11/12 20:59
Date Rec/Extracted: 03/07/12-03/10/12
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 92

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
122-66-7	1,2-Diphenylhydrazine	0.036	U	207-08-9	Benzo[k]fluoranthene	0.036	U
95-95-4	2,4,5-Trichlorophenol	0.036	U	65-85-0	Benzoic Acid	0.18	U
88-06-2	2,4,6-Trichlorophenol	0.036	U	111-91-1	bis(2-Chloroethoxy)methan	0.036	U
120-83-2	2,4-Dichlorophenol	0.0091	U	111-44-4	bis(2-Chloroethyl)ether	0.0091	U
105-67-9	2,4-Dimethylphenol	0.036	U	108-60-1	bis(2-chloroisopropyl)ether	0.036	U
51-28-5	2,4-Dinitrophenol	0.074	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.036	U
121-14-2	2,4-Dinitrotoluene	0.036	U	85-68-7	Butylbenzylphthalate	0.036	U
606-20-2	2,6-Dinitrotoluene	0.036	U	86-74-8	Carbazole	0.036	U
91-58-7	2-Chloronaphthalene	0.036	U	218-01-9	Chrysene	0.036	U
95-57-8	2-Chlorophenol	0.036	U	53-70-3	Dibenzo[a,h]anthracene	0.036	U
91-57-6	2-Methylnaphthalene	0.036	U	132-64-9	Dibenzofuran	0.0091	U
95-48-7	2-Methylphenol	0.0091	U	84-66-2	Diethylphthalate	0.036	U
88-74-4	2-Nitroaniline	0.036	U	131-11-3	Dimethylphthalate	0.036	U
88-75-5	2-Nitrophenol	0.036	U	84-74-2	Di-n-butylphthalate	0.018	U
106-44-5	3&4-Methylphenol	0.0091	U	117-84-0	Di-n-octylphthalate	0.036	U
91-94-1	3,3'-Dichlorobenzidine	0.036	U	206-44-0	Fluoranthene	0.036	U
99-09-2	3-Nitroaniline	0.036	U	86-73-7	Fluorene	0.036	U
534-52-1	4,6-Dinitro-2-methylphenol	0.036	U	118-74-1	Hexachlorobenzene	0.036	U
101-55-3	4-Bromophenyl-phenylether	0.036	U	87-68-3	Hexachlorobutadiene	0.036	U
59-50-7	4-Chloro-3-methylphenol	0.036	U	77-47-4	Hexachlorocyclopentadiene	0.036	U
106-47-8	4-Chloroaniline	0.017	U	67-72-1	Hexachloroethane	0.036	U
7005-72-3	4-Chlorophenyl-phenylether	0.036	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.036	U
100-01-6	4-Nitroaniline	0.036	U	78-59-1	Isophorone	0.036	U
100-02-7	4-Nitrophenol	0.036	U	91-20-3	Naphthalene	0.0091	U
83-32-9	Acenaphthene	0.036	U	98-95-3	Nitrobenzene	0.036	U
208-96-8	Acenaphthylene	0.036	U	62-75-9	N-Nitrosodimethylamine	0.036	U
62-53-3	Aniline	0.015	U	621-64-7	N-Nitroso-di-n-propylamine	0.0091	U
120-12-7	Anthracene	0.036	U	86-30-6	n-Nitrosodiphenylamine	0.036	U
92-87-5	Benzidine	0.036	U	87-86-5	Pentachlorophenol	0.18	U
56-55-3	Benzo[a]anthracene	0.036	U	85-01-8	Phenanthrene	0.036	U
50-32-8	Benzo[a]pyrene	0.036	U	108-95-2	Phenol	0.036	U
205-99-2	Benzo[b]fluoranthene	0.036	U	129-00-0	Pyrene	0.036	U
191-24-2	Benzo[g,h,i]perylene	0.036	U				

Worksheet #: 220959 ***Total Target Concentration*** 0 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea
N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Quantitation Report (QT Reviewed)

2030726 0048

SampleID : AC64606-002 Operator : AHD Qt Meth : 5M_0306.M
Data File: 5M73453.D Sam Mult : 1 Vial# : 21 Qt On : 03/12/12 07:37
Acq On : 03/11/12 20:59 Misc : S,BNA Qt Upd On: 03/06/12 16:27

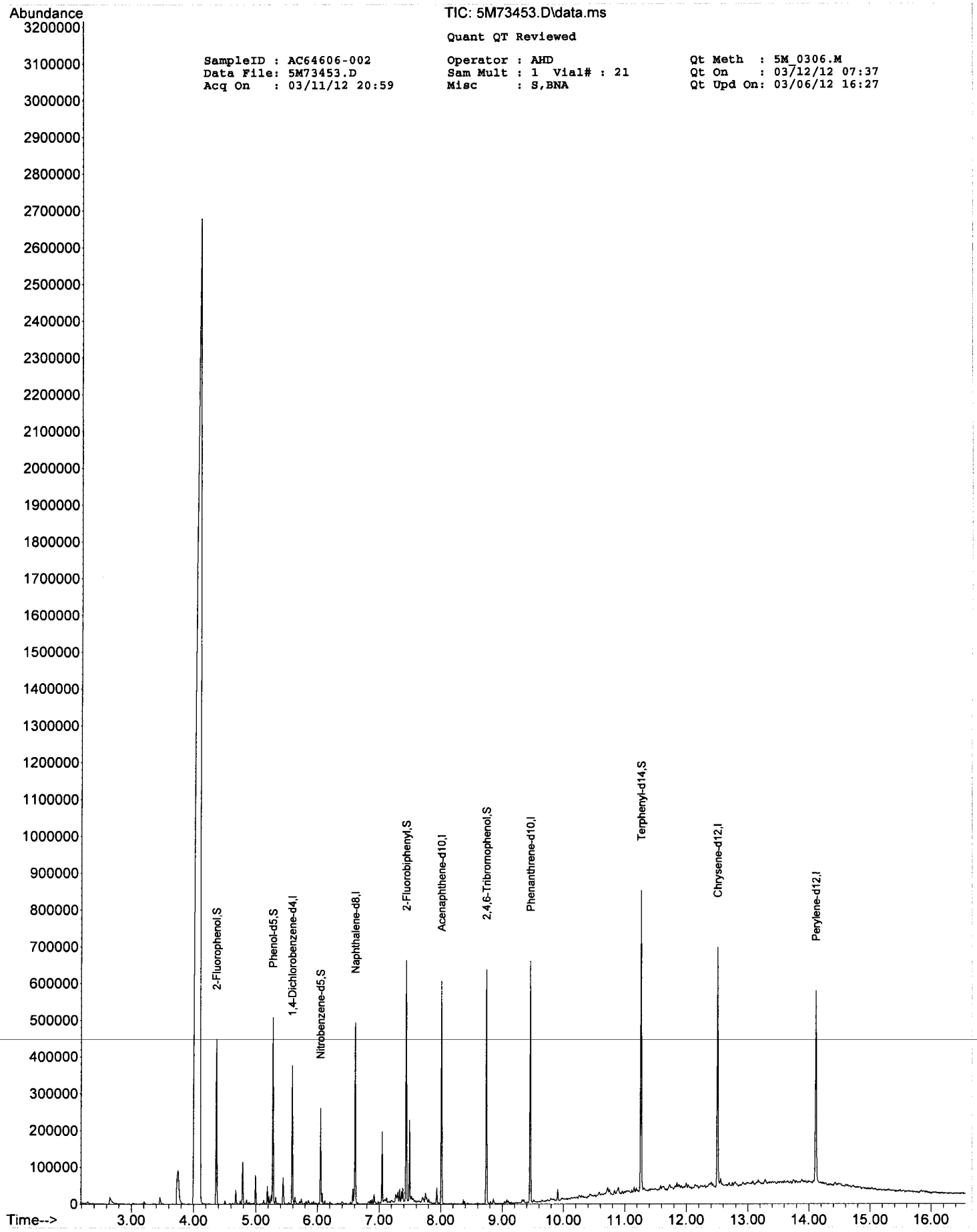
Data Path : G:\GcMsData\2012\GCMS_5\Data\03-11-12\
Qt Path : G:\GCMSDATA\2012\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.591	152	51401	40.00 ng	-0.03
30) Naphthalene-d8	6.611	136	193699	40.00 ng	-0.03
48) Acenaphthene-d10	8.011	164	124787	40.00 ng	-0.03
75) Phenanthrene-d10	9.458	188	240113	40.00 ng	-0.03
89) Chrysene-d12	12.503	240	272975	40.00 ng	-0.05
101) Perylene-d12	14.111	264	227231	40.00 ng	-0.14
System Monitoring Compounds					
11) 2-Fluorophenol	4.367	112	119171	78.22 ng	-0.02
Spiked Amount 100.000			Recovery = 78.22%		
16) Phenol-d5	5.275	99	157750	76.47 ng	-0.02
Spiked Amount 100.000			Recovery = 76.47%		
31) Nitrobenzene-d5	6.050	128	34885	41.67 ng	-0.03
Spiked Amount 50.000			Recovery = 83.34%		
53) 2-Fluorobiphenyl	7.439	172	174727	40.13 ng	-0.03
Spiked Amount 50.000			Recovery = 80.26%		
78) 2,4,6-Tribromophenol	8.742	330	79502	93.23 ng	-0.03
Spiked Amount 100.000			Recovery = 93.23%		
92) Terphenyl-d14	11.264	244	253825	48.92 ng	-0.03
Spiked Amount 50.000			Recovery = 97.84%		

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Ye


Abundance
TIC: 5M73453.D\data.ms
Quant QT Reviewed
SampleID : AC64606-002
Data File: 5M73453.D
Acq On : 03/11/12 20:59
Operator : AHD
Sam Mult : 1 Vial# : 21
Misc : S,BNA
Qt Meth : 5M_0306.M
Qt On : 03/12/12 07:37
Qt Upd On: 03/06/12 16:27
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: SMB13730
Client Id:
Data File: 5M73435.D
Analysis Date: 03/11/12 14:09
Date Rec/Extracted: NA-03/10/12
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
122-66-7	1,2-Diphenylhydrazine	0.033	U	207-08-9	Benzo[k]fluoranthene	0.033	U
95-95-4	2,4,5-Trichlorophenol	0.033	U	65-85-0	Benzoic Acid	0.17	U
88-06-2	2,4,6-Trichlorophenol	0.033	U	111-91-1	bis(2-Chloroethoxy)methan	0.033	U
120-83-2	2,4-Dichlorophenol	0.0083	U	111-44-4	bis(2-Chloroethyl)ether	0.0083	U
105-67-9	2,4-Dimethylphenol	0.033	U	108-60-1	bis(2-chloroisopropyl)ether	0.033	U
51-28-5	2,4-Dinitrophenol	0.068	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.033	U
121-14-2	2,4-Dinitrotoluene	0.033	U	85-68-7	Butylbenzylphthalate	0.033	U
606-20-2	2,6-Dinitrotoluene	0.033	U	86-74-8	Carbazole	0.033	U
91-58-7	2-Chloronaphthalene	0.033	U	218-01-9	Chrysene	0.033	U
95-57-8	2-Chlorophenol	0.033	U	53-70-3	Dibenzo[a,h]anthracene	0.033	U
91-57-6	2-Methylnaphthalene	0.033	U	132-64-9	Dibenzofuran	0.0083	U
95-48-7	2-Methylphenol	0.0083	U	84-66-2	Diethylphthalate	0.033	U
88-74-4	2-Nitroaniline	0.033	U	131-11-3	Dimethylphthalate	0.033	U
88-75-5	2-Nitrophenol	0.033	U	**84-74-2**	**Di-n-butylphthalate**	**0.017**	**0.027**
106-44-5	3&4-Methylphenol	0.0083	U	117-84-0	Di-n-octylphthalate	0.033	U
91-94-1	3,3'-Dichlorobenzidine	0.033	U	206-44-0	Fluoranthene	0.033	U
99-09-2	3-Nitroaniline	0.033	U	86-73-7	Fluorene	0.033	U
534-52-1	4,6-Dinitro-2-methylphenol	0.033	U	118-74-1	Hexachlorobenzene	0.033	U
101-55-3	4-Bromophenyl-phenylether	0.033	U	87-68-3	Hexachlorobutadiene	0.033	U
59-50-7	4-Chloro-3-methylphenol	0.033	U	77-47-4	Hexachlorocyclopentadiene	0.033	U
106-47-8	4-Chloroaniline	0.016	U	67-72-1	Hexachloroethane	0.033	U
7005-72-3	4-Chlorophenyl-phenylether	0.033	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.033	U
100-01-6	4-Nitroaniline	0.033	U	78-59-1	Isophorone	0.033	U
100-02-7	4-Nitrophenol	0.033	U	91-20-3	Naphthalene	0.0083	U
83-32-9	Acenaphthene	0.033	U	98-95-3	Nitrobenzene	0.033	U
208-96-8	Acenaphthylene	0.033	U	62-75-9	N-Nitrosodimethylamine	0.033	U
62-53-3	Aniline	0.014	U	621-64-7	N-Nitroso-di-n-propylamine	0.0083	U
120-12-7	Anthracene	0.033	U	86-30-6	n-Nitrosodiphenylamine	0.033	U
92-87-5	Benzidine	0.033	U	87-86-5	Pentachlorophenol	0.17	U
56-55-3	Benzo[a]anthracene	0.033	U	85-01-8	Phenanthrene	0.033	U
50-32-8	Benzo[a]pyrene	0.033	U	108-95-2	Phenol	0.033	U
205-99-2	Benzo[b]fluoranthene	0.033	U	129-00-0	Pyrene	0.033	U
191-24-2	Benzo[g,h,i]perylene	0.033	U				

Worksheet #: 220959 ***Total Target Concentration*** 1 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Quantitation Report (QT Reviewed)

2030726 0051

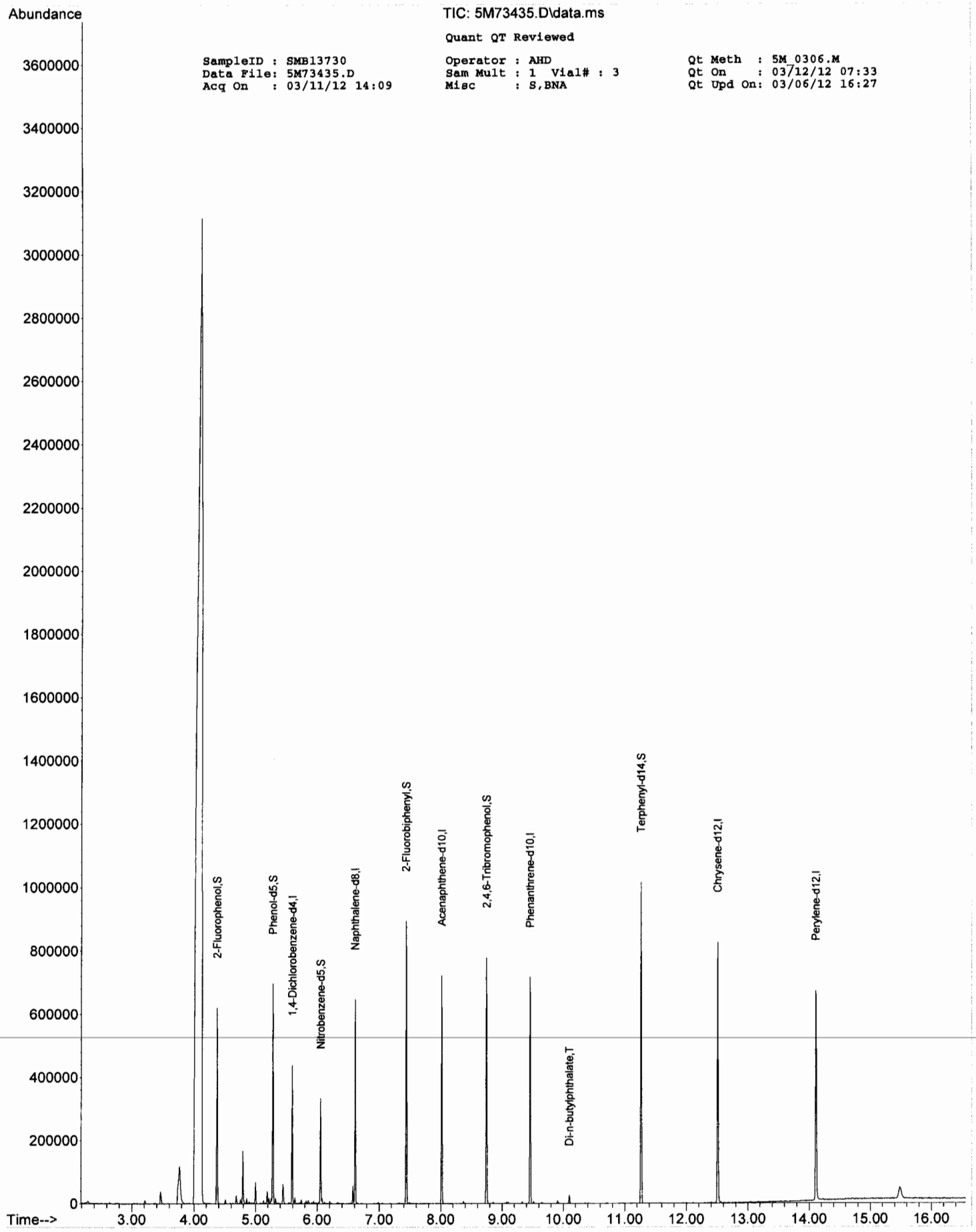
SampleID : SMB13730 Operator : AHD Qt Meth : 5M_0306.M
Data File: 5M73435.D Sam Mult : 1 Vial# : 3 Qt On : 03/12/12 07:33
Acq On : 03/11/12 14:09 Misc : S,BNA Qt Upd On: 03/06/12 16:27

Data Path : G:\GcMsData\2012\GCMS_5\Data\03-11-12\
Qt Path : G:\GCMSDATA\2012\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.596	152	60316	40.00	ng	-0.02
30) Naphthalene-d8	6.611	136	227431	40.00	ng	-0.03
48) Acenaphthene-d10	8.016	164	143882	40.00	ng	-0.03
75) Phenanthrene-d10	9.458	188	281820	40.00	ng	-0.03
89) Chrysene-d12	12.509	240	330827	40.00	ng	-0.04
101) Perylene-d12	14.111	264	313526	40.00	ng	-0.14
System Monitoring Compounds						
11) 2-Fluorophenol	4.372	112	162794	91.06	ng	-0.01
Spiked Amount 100.000			Recovery = 91.06%			
16) Phenol-d5	5.281	99	212858	87.93	ng	-0.02
Spiked Amount 100.000			Recovery = 87.93%			
31) Nitrobenzene-d5	6.055	128	47004	47.82	ng	-0.02
Spiked Amount 50.000			Recovery = 95.64%			
53) 2-Fluorobiphenyl	7.439	172	232781	46.37	ng	-0.03
Spiked Amount 50.000			Recovery = 92.74%			
78) 2,4,6-Tribromophenol	8.748	330	104671	104.58	ng	-0.03
Spiked Amount 100.000			Recovery = 104.58%			
92) Terphenyl-d14	11.269	244	349136	55.52	ng	-0.03
Spiked Amount 50.000			Recovery = 111.04%			
Target Compounds						Qvalue
87) Di-n-butylphthalate	10.099	149	14474	1.6395	ng	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Ku


Abundance
TIC: 5M73435.D\data.ms
Quant QT Reviewed
SampleID : SMB13730
Data File: 5M73435.D
Acq On : 03/11/12 14:09
Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : S,BNA
Qt Meth : 5M_0306.M
Qt On : 03/12/12 07:33
Qt Upd On: 03/06/12 16:27
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Di-n-butylphthalate,T
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->
3600000
3400000
3200000
3000000
2800000
2600000
2400000
2200000
2000000
1800000
1600000
1400000
1200000
1000000
800000
600000
400000
200000
0
3.00
4.00
5.00
6.00
7.00
8.00
9.00
10.00
11.00
12.00
13.00
14.00
15.00
16.00

FORM2

Surrogate Recovery

Method: EPA 8270C

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column1 S5 Recov	Column1 S6 Recov
5M73435.D	SMB13730	Soil	03/11/12 14:09	1		91	88	96	93	105	111
5M73452.D	AC64606-001	Soil	03/11/12 20:37	1		86	88	88	85	97	98
5M73453.D	AC64606-002	Soil	03/11/12 20:59	1		78	76	83	80	93	98
5M73440.D	SMB13730(M	Soil	03/11/12 16:03	1		99	96	102	97	108	105
5M73445.D	AC64632-001	Soil	03/11/12 17:57	1		85	83	83	84	98	101
5M73446.D	AC64632-001(	Soil	03/11/12 18:20	1		94	92	95	92	102	99
5M73447.D	AC64632-001(	Soil	03/11/12 18:43	1		88	88	89	88	104	100

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: EPA 8270C

Soil Limits

Compound	Spike Amt	Limits
S1=2-Fluorophenol	100	43-128
S2=Phenol-d5	100	49-129
S3=Nitrobenzene-d5	50	52-129
S4=2-Fluorobiphenyl	50	58-125
S5=2,4,6-Tribromophenol	100	54-145
S6=Terphenyl-d14	50	58-148

Form3
Recovery Data
QC Batch: SMB13730

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M73440.D	SMB13730(MS)	3/11/2012 4:03:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8270 Matrix: Soil QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Phenol	1	97.0948	0	100	97	20	130
2-Chlorophenol	1	101.8708	0	100	102	50	130
1,4-Dichlorobenzene	1	45.2102	0	50	90	50	130
2-Methylphenol	1	106.7073	0	100	107	50	130
N-Nitroso-di-n-propylamine	1	52.2724	0	50	105	20	130
2,4-Dimethylphenol	1	110.0784	0	100	110	50	130
1,2,4-Trichlorobenzene	1	46.3246	0	50	93	50	130
Naphthalene	1	48.7017	0	50	97	50	130
4-Chloro-3-methylphenol	1	110.3506	0	100	110	50	130
Acenaphthene	1	49.7611	0	50	100	50	130
2,4-Dinitrotoluene	1	52.7863	0	50	106	50	130
4-Nitrophenol	1	100.0329	0	100	100	20	130
Fluorene	1	52.1923	0	50	104	50	130
Pentachlorophenol	1	107.2115	0	100	107	40	130
Pyrene	1	54.604	0	50	109	50	130
Butylbenzylphthalate	1	55.1308	0	50	110	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: SMB13730

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M73446.D	AC64632-001(MS)	3/11/2012 6:20:00 PM
Non Spike(If applicable):	5M73445.D	AC64632-001	3/11/2012 5:57:00 PM
Inst Blank(If applicable):			

Method: 8270 Matrix: Soil QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Phenol	1	92.631	0	100	93	20	130
2-Chlorophenol	1	98.5635	0	100	99	50	130
1,4-Dichlorobenzene	1	44.0929	0	50	88	50	130
2-Methylphenol	1	101.1302	0	100	101	50	130
N-Nitroso-di-n-propylamine	1	48.946	0	50	98	20	130
2,4-Dimethylphenol	1	102.7153	0	100	103	50	130
1,2,4-Trichlorobenzene	1	44.1819	0	50	88	50	130
Naphthalene	1	46.5738	0	50	93	50	130
4-Chloro-3-methylphenol	1	106.0695	0	100	106	50	130
Acenaphthene	1	47.9998	0	50	96	50	130
2,4-Dinitrotoluene	1	49.7178	0	50	99	50	130
4-Nitrophenol	1	95.2503	0	100	95	20	130
Fluorene	1	50.3694	0	50	101	50	130
Pentachlorophenol	1	88.4	0	100	88	40	130
Pyrene	1	51.1259	0	50	102	50	130
Butylbenzylphthalate	1	52.7569	0	50	106	50	130

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M73447.D	AC64632-001(MSD)	3/11/2012 6:43:00 PM
Non Spike(If applicable):	5M73445.D	AC64632-001	3/11/2012 5:57:00 PM
Inst Blank(If applicable):			

Method: 8270 Matrix: Soil QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Phenol	1	84.984	0	100	85	20	130
2-Chlorophenol	1	89.9167	0	100	90	50	130
1,4-Dichlorobenzene	1	39.7167	0	50	79	50	130
2-Methylphenol	1	94.4407	0	100	94	50	130
N-Nitroso-di-n-propylamine	1	45.6517	0	50	91	20	130
2,4-Dimethylphenol	1	95.1251	0	100	95	50	130
1,2,4-Trichlorobenzene	1	39.763	0	50	80	50	130
Naphthalene	1	43.3871	0	50	87	50	130
4-Chloro-3-methylphenol	1	99.9116	0	100	100	50	130
Acenaphthene	1	45.2424	0	50	90	50	130
2,4-Dinitrotoluene	1	48.0413	0	50	96	50	130
4-Nitrophenol	1	91.5327	0	100	92	20	130
Fluorene	1	47.9868	0	50	96	50	130
Pentachlorophenol	1	91.4765	0	100	91	40	130
Pyrene	1	51.4859	0	50	103	50	130
Butylbenzylphthalate	1	53.4977	0	50	107	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
RPD DATA

QC Batch: SMB13730

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M73447.D	AC64632-001(MSD)	3/11/2012 6:43:00 PM
Duplicate(If applicable):	5M73446.D	AC64632-001(MS)	3/11/2012 6:20:00 PM
Inst Blank(If applicable):			

Method: 8270 Matrix: Soil QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Phenol	1	84.984	92.631	8.6	40
2-Chlorophenol	1	89.9167	98.5635	9.2	40
1,4-Dichlorobenzene	1	39.7167	44.0929	10	40
2-Methylphenol	1	94.4407	101.1302	6.8	40
N-Nitroso-di-n-propylamine	1	45.6517	48.946	7	40
2,4-Dimethylphenol	1	95.1251	102.7153	7.7	40
1,2,4-Trichlorobenzene	1	39.763	44.1819	11	40
Naphthalene	1	43.3871	46.5738	7.1	40
4-Chloro-3-methylphenol	1	99.9116	106.0695	6	40
Acenaphthene	1	45.2424	47.9998	5.9	40
2,4-Dinitrotoluene	1	48.0413	49.7178	3.4	40
4-Nitrophenol	1	91.5327	95.2503	4	40
Fluorene	1	47.9868	50.3694	4.8	40
Pentachlorophenol	1	91.4765	88.4	3.4	40
Pyrene	1	51.4859	51.1259	0.7	40
Butylbenzylphthalate	1	53.4977	52.7569	1.4	40

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

FORM 4
Blank Summary

Blank Number: SMB13730
Blank Data File: 5M73435.D
Matrix: Soil

Blank Analysis Date: 03/11/12 14:09
Blank Extraction Date: 03/10/12
(If Applicable)
Method: EPA 8270C

Sample Number	Data File	Analysis Date
AC64606-001	5M73452.D	03/11/12 20:37
AC64606-002	5M73453.D	03/11/12 20:59
AC64632-001(MSD	5M73447.D	03/11/12 18:43
AC64632-001(MS)	5M73446.D	03/11/12 18:20
AC64632-001	5M73445.D	03/11/12 17:57
SMB13730(MS)	5M73440.D	03/11/12 16:03

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 5

Data File: 5M73343.D
Analysis Date: 03/06/12 08:14
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.797 to 9.813 min

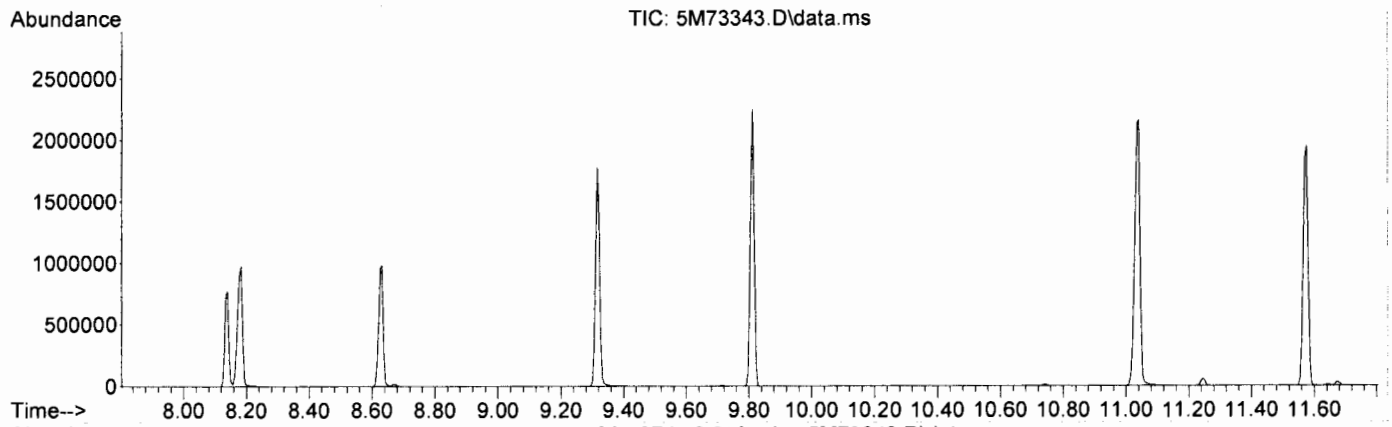
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	33.2	38981	PASS
68	69	0.00	2	0.3	121	PASS
69	198	0.00	100	35.7	41914	PASS
70	69	0.00	2	0.4	166	PASS
127	198	40	60	52.8	61949	PASS
197	198	0.00	1	0.1	74	PASS
198	198	100	100	100.0	117348	PASS
199	198	5	9	6.7	7915	PASS
275	198	10	30	29.4	34499	PASS
365	198	1	100	5.7	6645	PASS
441	443	0.01	100	78.4	17440	PASS
442	198	40	100	96.4	113159	PASS
443	442	17	23	19.7	22254	PASS

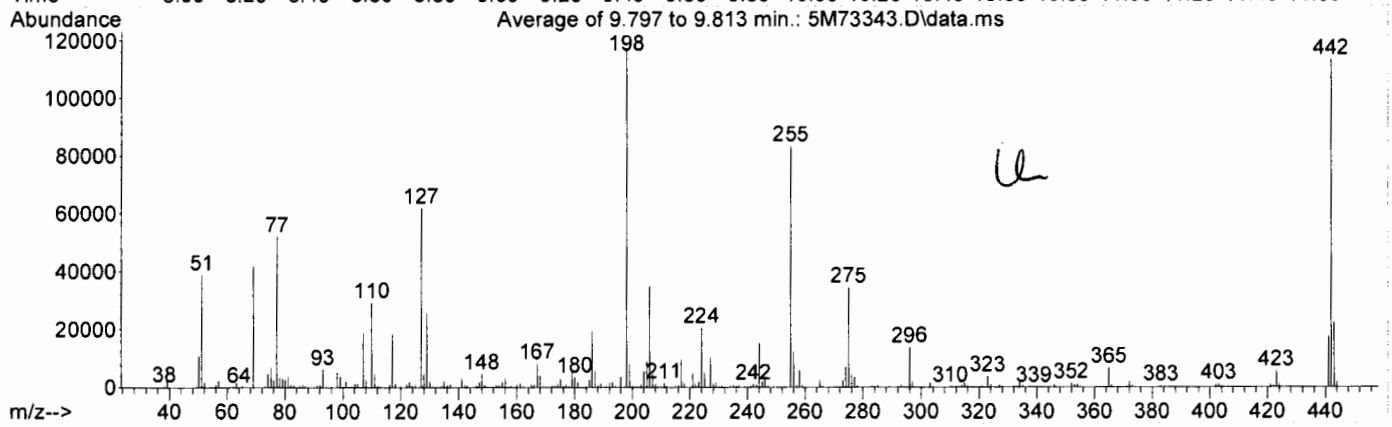
Data File	Sample Number	Analysis Date:
5M73344.D	CAL BNA@50PPM	03/06/12 08:35
5M73345.D	CAL BNA@196PP	03/06/12 08:58
5M73346.D	CAL BNA@160PP	03/06/12 09:20
5M73347.D	CAL BNA@120PP	03/06/12 09:43
5M73348.D	CAL BNA@10PPM	03/06/12 10:05
5M73349.D	CAL BNA@20PPM	03/06/12 10:28
5M73350.D	CAL BNA@2PPM	03/06/12 10:50
5M73351.D	CAL BNA@.5PPM	03/06/12 11:13
5M73352.D	CAL BNA@80PPM	03/06/12 11:35
5M73353.D	CAL BNA@50PPM	03/06/12 11:58
5M73355.D	ICV BNA@50PPM	03/06/12 12:28
5M73356.D	TEST 2PPM	03/06/12 14:42

Data Path : G:\GcMsData\2012\GCMS_5\Data\03-06-12\
Data File : 5M73343.D
Acq On : 6 Mar 2012 8:14
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2012\GCMS_5\MethodQt\5M_0305.M
Title : @GCMS_5,mg,625,8270
Last Update : Mon Mar 05 17:03:55 2012





Spectrum Information: Average of 9.797 to 9.813 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	33.2	38981	PASS
68	69	0.00	2	0.3	121	PASS
69	198	0.00	100	35.7	41914	PASS
70	69	0.00	2	0.4	166	PASS
127	198	40	60	52.8	61949	PASS
197	198	0.00	1	0.1	74	PASS
198	198	100	100	100.0	117348	PASS
199	198	5	9	6.7	7915	PASS
275	198	10	30	29.4	34499	PASS
365	198	1	100	5.7	6645	PASS
441	443	0.01	100	78.4	17440	PASS
442	198	40	100	96.4	113159	PASS
443	442	17	23	19.7	22254	PASS

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 5

Data File: 5M73433.D
Analysis Date: 03/11/12 13:19
Method: EPA 8270C

Tune Scan/Time Range: Scan 1417

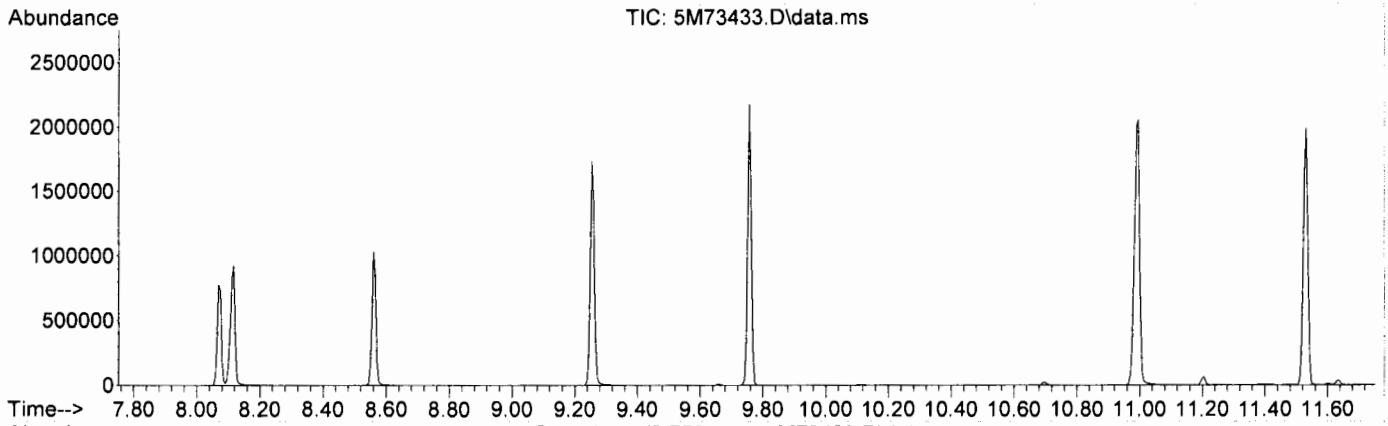
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	32.5	41880	PASS
68	69	0.00	2	1.8	873	PASS
69	198	0.00	100	37.1	47800	PASS
70	69	0.00	2	0.5	246	PASS
127	198	40	60	55.0	70952	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	128976	PASS
199	198	5	9	7.8	10004	PASS
275	198	10	30	27.0	34856	PASS
365	198	1	100	4.8	6231	PASS
441	443	0.01	100	78.3	15246	PASS
442	198	40	100	76.6	98840	PASS
443	442	17	23	19.7	19480	PASS

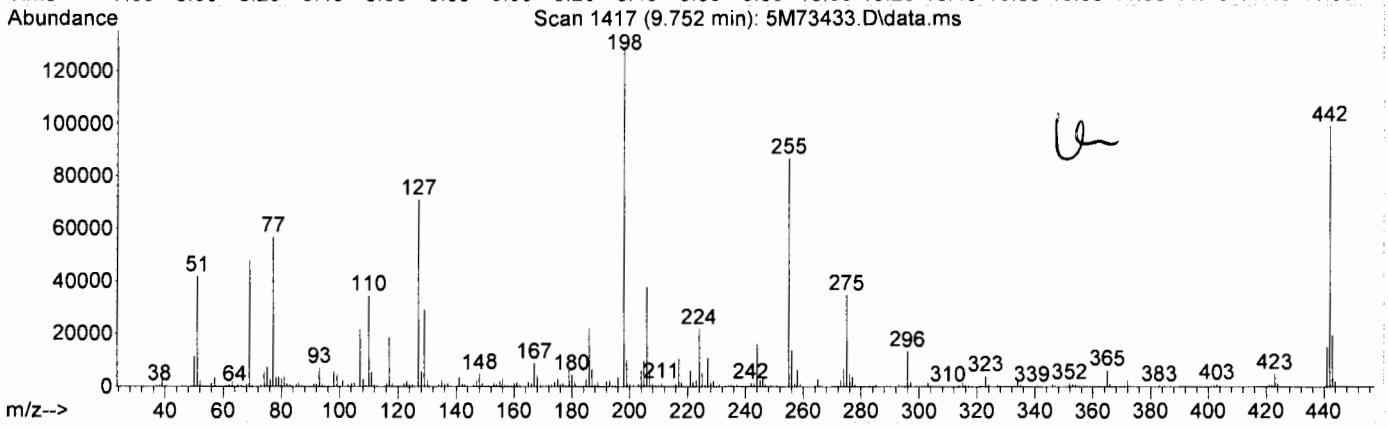
Data File	Sample Number	Analysis Date:
5M73434.D	CAL BNA@50PPM	03/11/12 13:42
5M73435.D	SMB13730	03/11/12 14:09
5M73436.D	SMB13732	03/11/12 14:32
5M73437.D	WMB13711	03/11/12 14:54
5M73438.D	WMB13734	03/11/12 15:17
5M73439.D	WMB13724	03/11/12 15:40
5M73440.D	SMB13730(MS)	03/11/12 16:03
5M73441.D	SMB13732(MS)	03/11/12 16:26
5M73442.D	AC64673-001	03/11/12 16:48
5M73443.D	AC64673-002	03/11/12 17:11
5M73444.D	AC64673-003	03/11/12 17:34
5M73445.D	AC64632-001	03/11/12 17:57
5M73446.D	AC64632-001(MS)	03/11/12 18:20
5M73447.D	AC64632-001(MSD	03/11/12 18:43
5M73448.D	AC64563-006(MS)	03/11/12 19:05
5M73449.D	AC64563-006(MSD	03/11/12 19:28
5M73450.D	AC64563-006	03/11/12 19:51
5M73451.D	AC64563-005	03/11/12 20:14
5M73452.D	AC64606-001	03/11/12 20:37
5M73453.D	AC64606-002	03/11/12 20:59
5M73454.D	AC64635-002	03/11/12 21:22
5M73455.D	AC64635-003	03/11/12 21:45
5M73456.D	AC64563-008	03/11/12 22:07
5M73457.D	AC64563-011	03/11/12 22:30

Data Path : G:\GcMsData\2012\GCMS_5\Data\03-11-12\
Data File : 5M73433.D
Acq On : 11 Mar 2012 13:19
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2012\GCMS_5\MethodQt\5M_0306.M
Title : @GCMS_5,mg,625,8270
Last Update : Tue Mar 06 15:58:35 2012





Spectrum Information: Scan 1417

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	32.5	41880	PASS
68	69	0.00	2	1.8	873	PASS
69	198	0.00	100	37.1	47800	PASS
70	69	0.00	2	0.5	246	PASS
127	198	40	60	55.0	70952	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	128976	PASS
199	198	5	9	7.8	10004	PASS
275	198	10	30	27.0	34856	PASS
365	198	1	100	4.8	6231	PASS
441	443	0.01	100	78.3	15246	PASS
442	198	40	100	76.6	98840	PASS
443	442	17	23	19.7	19480	PASS

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2030726

Method: EPA 8270C

Form 6
Initial Calibration

Instrument: GCMS_5

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	5M73344.	CAL BNA@50PPM	03/06/12 08:35	2	5M73350.	CAL BNA@2PPM	03/06/12 10:50
3	5M73348.	CAL BNA@10PPM	03/06/12 10:05	4	5M73349.	CAL BNA@20PPM	03/06/12 10:28
5	5M73352.	CAL BNA@80PPM	03/06/12 11:35	6	5M73347.	CAL BNA@120PPM	03/06/12 09:43
7	5M73346.	CAL BNA@160PPM	03/06/12 09:20	8	5M73345.	CAL BNA@196PPM	03/06/12 08:58
9	5M73351.	CAL BNA@.5PPM	03/06/12 11:13				

																			Calibration Level Concentrations								
Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
1.4-Dioxane	1	0	Avg	0.5943	0.6168	0.6083	0.5485	0.5421	0.5177	0.5288	0.5616	-----	0.565	2.32	0.997	0.998	6.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pyridine	1	0	LinF	1.3644	0.1322	0.9450	1.2483	1.3005	1.3133	1.3371	1.4051	-----	1.13	2.75	0.999	0.999	38		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitrosodimethylamin	1	0	Avg	0.8597	0.5090	0.7368	0.7300	0.7726	0.7882	0.7824	0.8379	-----	0.752	2.68	0.997	0.998	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorophenol	1	0	Avg	1.2404	1.0842	1.1701	1.1538	1.1858	1.1889	1.1813	1.2802	-----	1.19	4.39	0.997	0.998	4.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzaldehyde	1	0	Qua	0.8334	0.8338	0.8960	0.8834	0.6640	0.4808	0.3805	0.2984	-----	0.659	5.24	0.851	0.994	37		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Aniline	1	0	Avg	2.0625	1.3734	1.8940	1.9253	1.9581	1.8643	1.7934	1.8722	1.3939	1.79	5.34	0.998	0.998	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Pentachloroethane	1	0	Avg	0.5048	0.4706	0.4670	0.4642	0.4495	0.4508	0.4423	0.4687	-----	0.465	5.37	0.998	0.998	4.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethyl)ether	1	0	Avg	1.3312	1.2771	1.3007	1.2254	1.2128	1.1901	1.1623	1.2339	1.2192	1.24	5.40	0.998	0.998	4.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Phenol-d5	1	0	Avg	1.7263	1.4151	1.6202	1.5415	1.6490	1.6087	1.5608	1.7213	-----	1.61	5.30	0.996	0.997	6.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol	1	0	Avg	1.9365	1.5027	1.6401	1.6506	1.7273	1.7946	1.6923	1.8761	-----	1.73	5.31	0.995	0.996	8.1	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Chlorophenol	1	0	Avg	1.5655	1.2929	1.4588	1.4360	1.4500	1.4494	1.4225	1.5104	-----	1.45	5.43	0.998	0.998	5.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Decane	1	0	Avg	1.2264	1.0989	1.1280	1.0997	1.0592	0.9824	0.9646	1.0221	-----	1.07	5.48	0.993	0.997	7.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.3-Dichlorobenzene	1	0	Avg	1.5926	1.7111	1.6092	1.6000	1.5326	1.5047	1.4955	1.5483	-----	1.57	5.57	0.999	0.999	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.4-Dichlorobenzene	1	0	Avg	1.6330	1.6745	1.6942	1.6081	1.5732	1.5350	1.4885	1.5856	-----	1.60	5.64	0.998	0.998	4.3	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2-Dichlorobenzene	1	0	Avg	1.5686	1.5760	1.5230	1.5253	1.4934	1.4328	1.4292	1.4991	-----	1.51	5.76	0.999	0.999	3.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzyl alcohol	1	0	Avg	0.9792	0.7609	0.8696	0.8940	0.9272	0.9277	0.8918	0.9572	-----	0.901	5.74	0.998	0.998	7.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-chloroisopropyl)e	1	0	Avg	1.4036	1.2362	1.3118	1.2563	1.2013	1.1711	1.1630	1.2512	-----	1.25	5.85	0.996	0.996	6.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylphenol	1	0	Avg	1.3272	1.1226	1.2927	1.2819	1.2736	1.2824	1.2508	1.3324	0.9620	1.24	5.83	0.998	0.999	9.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Acetophenone	1	0	Avg	2.2029	1.9784	2.0787	2.0187	1.9801	1.8990	1.7065	1.8483	-----	1.96	5.96	0.993	0.994	7.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachloroethane	1	0	Avg	0.6534	0.6384	0.5990	0.6135	0.5991	0.5818	0.5862	0.6083	-----	0.610	6.03	0.998	0.999	4.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitroso-di-n-propylan	1	0	Avg	1.0097	0.8726	0.9268	0.9090	0.8658	0.8377	0.7623	0.8252	0.7696	0.864	5.96	0.994	0.995	9.0	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
3&4-Methylphenol	1	0	Avg	1.4489	1.1776	1.3530	1.3157	1.2858	1.2539	1.1165	1.2156	1.1642	1.26	5.96	0.994	0.995	8.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Nitrobenzene-d5	1	0	Avg	0.1860	0.1429	0.1598	0.1687	0.1815	0.1796	0.1815	0.1828	-----	0.173	6.08	1.00	1.00	8.6		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
Nitrobenzene	1	0	Avg	0.3953	0.3251	0.3654	0.3731	0.3715	0.3481	0.3491	0.3651	-----	0.362	6.09	0.998	0.998	5.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Isophorone	1	0	Avg	0.6980	0.5549	0.6498	0.6663	0.6487	0.6378	0.6297	0.6647	-----	0.644	6.28	0.998	0.998	6.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitrophenol	1	0	Avg	0.2066	0.1526	0.1905	0.2046	0.2059	0.2051	0.2043	0.2103	-----	0.198	6.34	1.00	1.00	9.6	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dimethylphenol	1	0	Avg	0.4072	0.3395	0.3813	0.3838	0.3795	0.3740	0.3725	0.3853	-----	0.378	6.37	0.999	0.999	5.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzoic Acid	1	0	Qua	0.1585	-----	0.0596	0.1066	0.2099	0.2532	0.2781	0.3070	-----	0.196	6.45	0.980	0.999	47		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethoxy)me	1	0	Avg	0.4278	0.4166	0.3998	0.4163	0.4012	0.3843	0.3739	0.3947	-----	0.402	6.45	0.998	0.998	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dichlorophenol	1	0	Avg	0.3457	0.2981	0.3179	0.3363	0.3343	0.3285	0.3239	0.3282	0.2575	0.319	6.52	1.00	1.00	8.3	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
1.2.4-Trichlorobenzene	1	0	Avg	0.3868	0.3715	0.3909	0.3988	0.3720	0.3610	0.3664	0.3744	-----	0.378	6.59	0.999	0.999	3.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Naphthalene	1	0	Avg	1.2042	1.1639	1.1621	1.1772	1.1528	1.0961	1.0875	1.1364	1.2028	1.15	6.66	0.999	0.999	3.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
4-Chloroaniline	1	0	Qua	0.4784	0.3604	0.4200	0.4820	0.4360	0.3664	0.3407	0.3301	0.2805	0.388	6.69	0.982	0.997	18		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Hexachlorobutadiene	1	0	Avg	0.2331	0.2514	0.2318	0.2337	0.2260	0.2179	0.2239	0.2245	-----	0.230	6.74	1.00	1.00	4.4	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Caprolactam	1	0	Qua	0.1293	0.0767	0.1220	0.1278	0.1335	0.1290	0.1023	0.1166	-----	0.117	6.97	0.989	0.994	16		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chloro-3-methylphen	1	0	Avg	0.3445	0.2643	0.3255	0.3352	0.3391	0.3219	0.3252	0.3534	-----	0.326	7.06	0.996	0.997	8.3	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylnaphthalene	1	0	Avg	0.7839	0.7401	0.7845	0.7960	0.7416	0.7339	0.7337	0.7716	-----	0.761	7.18	0.998	0.999	3.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Methylnaphthalenes (T	1	0	Avg	0.7839	0.7401	0.7845	0.7960	0.7416	0.7339	0.7337	0.7716	-----	0.761	7.18	0.998	0.999	3.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.1'-Biphenyl	1	0	Avg	0.9518	0.9403	0.9738	0.9840	0.9526	0.9346	0.8947	0.9453	-----	0.947	7.55	0.999	0.999	2.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2.4.5-Tetrachloroben:	1	0	Avg	0.6880	0.7016	0.6664	0.6700	0.6622	0.6500	0.6492	0.6458	-----	0.667	7.31	1.00	1.00	3.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorocyclopentac	1	0	Avg	0.4131	0.2817	0.3283	0.3706	0.4036	0.4117	0.4227	0.4201	-----	0.382	7.30	0.999	1.00	13	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags
a - failed the spcc criteria — ** - ccc compound*
b - failed the ccc criteria — *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 8.66
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_5

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	5M73344.	CAL BNA@50PPM	03/06/12 08:35	2	5M73350.	CAL BNA@2PPM	03/06/12 10:50
3	5M73348.	CAL BNA@10PPM	03/06/12 10:05	4	5M73349.	CAL BNA@20PPM	03/06/12 10:28
5	5M73352.	CAL BNA@80PPM	03/06/12 11:35	6	5M73347.	CAL BNA@120PPM	03/06/12 09:43
7	5M73346.	CAL BNA@160PPM	03/06/12 09:20	8	5M73345.	CAL BNA@196PPM	03/06/12 08:58
9	5M73351.	CAL BNA@.5PPM	03/06/12 11:13				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
2,4,6-Trichlorophenol	1	0	Avg	0.4090	0.3183	0.3897	0.4068	0.4074	0.3919	0.3944	0.4061	-----	0.390	7.40	1.00	1.00	7.7	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4,5-Trichlorophenol	1	0	Avg	0.4435	0.3845	0.4172	0.4198	0.4340	0.4202	0.4320	0.4421	-----	0.424	7.43	0.999	1.00	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorobiphenyl	1	0	Avg	1.4651	1.4381	1.4135	1.4088	1.3656	1.3613	1.3403	1.3710	-----	1.40	7.47	0.999	0.999	3.1		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
2-Chloronaphthalene	1	0	Avg	1.2328	1.2020	1.1974	1.1939	1.1531	1.1391	1.0946	1.1325	-----	1.17	7.57	0.999	0.999	3.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,4-Dimethylnaphthalei	1	0	Avg	0.9772	0.9779	0.9632	0.9663	0.9161	0.8717	0.8163	0.8453	-----	0.917	7.85	0.997	0.998	7.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylnaphthalenes	1	0	Avg	0.9772	0.9779	0.9632	0.9663	0.9161	0.8717	0.8163	0.8453	-----	0.917	7.85	0.997	0.998	7.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diphenyl Ether	1	0	Avg	0.9468	0.9224	0.8925	0.9035	0.8746	0.8688	0.8208	0.8200	-----	0.881	7.64	0.998	0.999	5.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitroaniline	1	0	Avg	0.4294	0.3144	0.3609	0.3817	0.3865	0.3635	0.3596	0.2985	-----	0.362	7.65	0.975	0.995	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Coumarin	1	0	Avg	0.5019	0.4611	0.4734	0.4763	0.4660	0.4467	0.4052	0.4365	-----	0.458	7.84	0.995	0.995	6.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthylene	1	0	Avg	2.0024	1.7855	1.9371	1.9407	1.9117	1.8435	1.8247	1.9357	-----	1.90	7.93	0.999	0.999	3.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylphthalate	1	0	Avg	1.4501	1.3786	1.4389	1.4170	1.4361	1.3586	1.3477	1.4224	-----	1.41	7.80	0.998	0.998	2.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,6-Dinitrotoluene	1	0	Avg	0.3272	0.2670	0.3125	0.3251	0.3189	0.3084	0.3064	0.3230	-----	0.311	7.86	0.999	0.999	6.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthene	1	0	Avg	1.2877	1.2346	1.2605	1.2273	1.2054	1.1839	1.1733	1.2179	-----	1.22	8.08	0.999	0.999	3.1	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3-Nitroaniline	1	0	Avg	0.3743	0.2749	0.3473	0.3634	0.3521	0.3147	0.3045	0.3170	-----	0.331	8.01	0.996	0.996	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4-Dinitrophenol	1	0	Qua	0.2103	0.0181	0.1212	0.1633	0.2157	0.2204	0.2336	0.2491	-----	0.179	8.10	0.995	0.999	43	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzofuran	1	0	Avg	1.7983	1.7244	1.7975	1.7186	1.7175	1.6703	1.6463	1.6930	1.8940	1.74	8.23	0.999	1.00	4.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
2,4-Dinitrotoluene	1	0	Avg	0.4600	0.3292	0.4344	0.4294	0.4493	0.4364	0.4224	0.4622	-----	0.428	8.21	0.996	0.997	9.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitrophenol	1	0	Qua	0.2544	0.1249	0.2199	0.2145	0.2329	0.2217	0.2235	0.2488	-----	0.218	8.13	0.997	0.997	18	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,3,4,6-Tetrachlorophe	1	0	Avg	0.3999	0.2865	0.3956	0.3877	0.3946	0.3755	0.3831	0.3990	-----	0.378	8.33	0.999	0.999	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluorene	1	0	Avg	1.5268	1.4350	1.4971	1.4904	1.4959	1.4141	1.4186	1.4597	-----	1.47	8.55	0.999	0.999	2.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chlorophenyl-phenyl	1	0	Avg	0.7311	0.6909	0.7200	0.7215	0.7215	0.6644	0.6742	0.6976	-----	0.703	8.54	0.998	0.998	3.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diethylphthalate	1	0	Avg	1.4665	1.3755	1.4433	1.4412	1.4585	1.4378	1.3897	1.4848	-----	1.44	8.42	0.998	0.998	2.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitroaniline	1	0	Avg	0.3985	0.2401	0.3614	0.3819	0.3966	0.3776	0.3688	0.4111	-----	0.367	8.56	0.995	0.996	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Atrazine	1	0	Avg	0.4445	0.3593	0.4256	0.4372	0.4372	0.4174	0.4202	0.4404	-----	0.423	9.18	0.999	0.999	6.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4,6-Dinitro-2-methylphe	1	0	Qua	0.1472	0.0421	0.1053	0.1272	0.1410	0.1482	0.1454	0.1515	-----	0.126	8.59	0.999	0.999	29		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
n-Nitrosodiphenylamine	1	0	Avg	0.6697	0.6185	0.6459	0.6452	0.6265	0.6263	0.6070	0.6249	-----	0.633	8.65	0.999	0.999	3.1	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4,6-Tribromophenol	1	0	Avg	0.1493	0.0971	0.1370	0.1472	0.1493	0.1500	0.1516	0.1546	-----	0.142	8.78	1.00	1.00	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,2-Diphenylhydrazine	1	0	Avg	0.7435	0.6081	0.6725	0.6904	0.6498	0.6446	0.6159	0.6447	-----	0.659	8.70	0.997	0.998	6.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Bromophenyl-phenyl	1	0	Avg	0.2366	0.2182	0.2327	0.2439	0.2258	0.2298	0.2284	0.2333	-----	0.231	9.02	1.00	1.00	3.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobenzene	1	0	Avg	0.2850	0.2760	0.3001	0.2870	0.2731	0.2708	0.2695	0.2840	-----	0.281	9.08	0.999	0.999	3.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Octadecane	1	0	Avg	0.3502	0.2884	0.3154	0.3379	0.3132	0.2920	0.2823	0.2887	-----	0.309	9.36	0.997	0.998	8.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachlorophenol	1	0	Avg	0.1751	-----	0.1316	0.1552	0.1739	0.1776	0.1797	0.1897	-----	0.169	9.28	0.999	1.00	12	*(30)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Phenanthrene	1	0	Avg	1.1623	1.1457	1.1410	1.1438	1.1240	1.0891	1.0806	1.1285	-----	1.13	9.52	0.999	0.999	2.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Anthracene	1	0	Avg	1.1886	1.0751	1.1534	1.1628	1.1331	1.1305	1.1119	1.1425	-----	1.14	9.57	1.00	1.00	3.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Carbazole	1	0	Avg	1.1688	1.0109	1.1117	1.1038	1.0847	1.0954	1.0518	1.1134	-----	1.09	9.75	0.998	0.998	4.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-butylphthalate	1	0	Qua	1.3745	0.9743	1.2594	1.2928	1.2687	1.3099	1.2829	1.3527	0.6889	1.20	10.13	0.999	0.999	19		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Fluoranthene	1	0	Avg	1.3813	1.1683	1.3151	1.3346	1.3303	1.3919	1.3211	1.3914	-----	1.33	10.84	0.999	0.999	5.4	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pyrene	1	0	Avg	1.0918	1.0807	1.0762	1.0961	1.0777	0.9975	1.1098	1.0887	-----	1.08	11.11	0.997	0.998	3.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzidine	1	0	Qua	0.3985	0.1550	0.3415	0.3777	0.3464	0.2987	0.2274	-----	-----	0.307	11.01	0.922	0.999	28		50.00	2.00	10.00	20.00	80.00	120.0	160.0		
Terphenyl-d14	1	0	Avg	0.7808	0.7428	0.7625	0.7834	0.7545	0.6901	0.7756	0.7928	-----	0.760	11.30	0.995	0.997	4.3		25.00	1.00	5.00	10.00	40.00	60.00	80.00	96.00	
4,4'-DDE	1	0	Avg	0.2523	0.2517	0.2491	0.2558	0.2613	0.2353	0.2705	0.2689	-----	0.256	11.23	0.995	0.997	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags
a - failed the spcc criteria — ** - ccc compound*
b - failed the ccc criteria — *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 8.66
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

20030726 0063

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_5

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	5M73344.	CAL BNA@50PPM	03/06/12 08:35	2	5M73350.	CAL BNA@2PPM	03/06/12 10:50
3	5M73348.	CAL BNA@10PPM	03/06/12 10:05	4	5M73349.	CAL BNA@20PPM	03/06/12 10:28
5	5M73352.	CAL BNA@80PPM	03/06/12 11:35	6	5M73347.	CAL BNA@120PPM	03/06/12 09:43
7	5M73346.	CAL BNA@160PPM	03/06/12 09:20	8	5M73345.	CAL BNA@196PPM	03/06/12 08:58
9	5M73351.	CAL BNA@.5PPM	03/06/12 11:13				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
4,4'-DDD	1	0	Avg	0.3788	0.3567	0.3662	0.3847	0.3818	0.3561	0.3864	0.3864	-----	0.375	11.63	0.998	0.999	3.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Butylbenzylphthalate	1	0	Avg	0.4821	0.3050	0.4287	0.4450	0.4684	0.4500	0.4698	0.4863	-----	0.442	11.90	0.998	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4,4'-DDT	1	0	Avg	0.3550	0.2408	0.3061	0.3337	0.3490	0.3254	0.3649	0.3621	-----	0.330	11.99	0.997	0.998	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3,3'-Dichlorobenzidine	1	0	Qua	0.3750	0.2267	0.3549	0.3438	0.3257	0.3068	0.2704	-----	-----	0.315	12.52	0.982	0.999	16		50.00	2.00	10.00	20.00	80.00	120.0	160.0		
Benzo[a]anthracene	1	0	Avg	1.1345	1.0826	1.0790	1.0710	1.0842	1.0809	1.0723	1.1344	-----	1.09	12.54	0.998	0.999	2.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Chrysene	1	0	Avg	1.0768	1.0539	1.0341	1.0185	1.0006	0.9968	0.9962	1.0673	-----	1.03	12.59	0.997	0.998	3.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Ethylhexyl)phthal	1	0	Avg	0.6950	0.4493	0.6097	0.6320	0.6598	0.6476	0.6446	0.6692	-----	0.626	12.60	0.999	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-octylphthalate	1	0	Qua	1.0452	0.4939	0.8452	0.9258	1.0602	1.0679	1.2002	1.1660	-----	0.976	13.39	0.996	0.998	23	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[b]fluoranthene	1	0	Avg	1.1364	0.9538	1.0503	1.1290	1.0906	1.0991	1.2318	1.2182	-----	1.11	13.81	0.996	0.998	8.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[k]fluoranthene	1	0	Avg	1.1695	1.0311	1.1447	1.1108	1.1581	1.0876	1.1241	1.1459	-----	1.12	13.85	0.999	0.999	4.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]pyrene	1	0	Avg	1.1056	0.9013	1.0103	1.0455	1.0909	1.0850	1.0686	1.1800	-----	1.06	14.19	0.996	0.997	7.6	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Indeno[1,2,3-cd]pyrene	1	0	Avg	1.2838	0.9671	1.0933	1.0803	1.2403	1.3542	1.0064	1.1392	-----	1.15	15.51	0.975	0.980	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzo[a,h]anthracene	1	0	Avg	1.0403	0.7531	0.8831	0.8536	0.9876	1.1515	0.8297	0.9263	-----	0.928	15.53	0.970	0.977	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[g,h,i]perylene	1	0	Avg	1.1070	0.9181	1.0027	0.9744	1.0500	1.1536	0.8587	0.9633	-----	1.00	15.87	0.975	0.981	9.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags
a - failed the spcc criteria ** - ccc compound*
b - failed the ccc criteria *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 8.66
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 5M73434.D **Instrument:** GCMS 5

Cont Calibration Date/Time 3/11/2012 1:42:00 P Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1.4-Dichlorobenzene-d4	1	0	I	5.59	40.00	40				0.000	0.00	
1.4-Dioxane	1	0		2.28	51.24				0.565			
Pyridine	1	0		2.71	44.45	50			1.131	1.190	11.10	
N-Nitrosodimethylamine	1	0		2.64	52.68	50			0.752	0.792	5.36	
2-Fluorophenol	1	0	S	4.36	51.44	50			1.186	1.220	2.87	
Benzaldehyde	1	0		5.22	33.10	50			0.659	0.543	33.80	
Aniline	1	0		5.31	50.81	50			1.793	1.822	1.62	
Pentachloroethane	1	0		5.35	51.25	50			0.465	0.476	2.50	
bis(2-Chloroethyl)ether	1	0		5.37	49.10	50			1.239	1.217	1.80	
Phenol-d5	1	0	S	5.28	51.12	50			1.605	1.641	2.23	
Phenol	1	0	CC	5.29	52.58	50	20		1.728	1.817	5.16	
2-Chlorophenol	1	0		5.41	52.12	50			1.448	1.510	4.25	
N-Decane	1	0		5.45	48.57	50			1.073	1.042	2.86	
1.3-Dichlorobenzene	1	0		5.54	50.08	50			1.574	1.577	0.16	
1.4-Dichlorobenzene	1	0	CC	5.61	50.88	50	20		1.599	1.627	1.75	
1.2-Dichlorobenzene	1	0		5.73	52.16	50			1.506	1.571	4.32	
Benzyl alcohol	1	0		5.71	53.08	50			0.901	0.957	6.16	
bis(2-chloroisopropyl)ether	1	0		5.83	48.41	50			1.249	1.210	3.17	
2-Methylphenol	1	0		5.80	53.11	50			1.236	1.313	6.21	
Acetophenone	1	0		5.93	54.23	50			1.964	2.130	8.46	
Hexachloroethane	1	0		6.01	50.21	50			0.610	0.613	0.42	
N-Nitroso-di-n-propylamine	1	0	CP	5.93	51.43	50	0.05		0.864	0.889	2.86	
3&4-Methylphenol	1	0		5.93	54.38	50			1.259	1.369	8.75	
Naphthalene-d8	1	0	I	6.61	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	6.06	27.11	25			0.173	0.187	8.43	
Nitrobenzene	1	0		6.07	50.05	50			0.362	0.362	0.10	
Isophorone	1	0		6.26	49.92	50			0.644	0.643	0.15	
2-Nitrophenol	1	0	CC	6.32	53.52	50	20		0.198	0.211	7.04	
2.4-Dimethylphenol	1	0		6.35	50.59	50			0.378	0.382	1.19	
Benzoic Acid	1	0		6.43	60.43	50			0.196	0.213	20.87	
bis(2-Chloroethoxy)methane	1	0		6.42	50.36	50			0.402	0.405	0.73	
2.4-Dichlorophenol	1	0	CC	6.50	52.58	50	20		0.319	0.335	5.16	
1.2.4-Trichlorobenzene	1	0		6.56	51.39	50			0.378	0.388	2.78	
Naphthalene	1	0		6.63	49.86	50			1.154	1.150	0.29	
4-Chloroaniline	1	0		6.67	50.19	50			0.388	0.442	0.38	
Hexachlorobutadiene	1	0	CC	6.71	50.83	50	20		0.230	0.234	1.66	
Caprolactam	1	0		6.94	54.40	50			0.117	0.140	8.81	
4-Chloro-3-methylphenol	1	0	CC	7.03	51.10	50	20		0.326	0.333	2.20	
2-Methylnaphthalene	1	0		7.16	50.19	50			0.761	0.764	0.38	
Methylnaphthalenes	1	0		7.16	50.19	50	20			0.764	0.38	
1.1'-Biphenyl	1	0		7.52	51.08	50			0.947	0.968	2.16	
Acenaphthene-d10	1	0	I	8.02	40.00	40				0.000	0.00	
1.2.4.5-Tetrachlorobenzene	1	0		7.28	52.19	50			0.667	0.696	4.37	
Hexachlorocyclopentadiene	1	0	CP	7.27	52.11	50	0.05		0.382	0.398	4.23	
2.4.6-Trichlorophenol	1	0	CC	7.37	53.07	50	20		0.390	0.414	6.13	
2.4.5-Trichlorophenol	1	0		7.40	54.27	50			0.424	0.460	8.53	
2-Fluorobiphenyl	1	0	S	7.44	25.81	25			1.396	1.441	3.23	
2-Chloronaphthalene	1	0		7.55	53.26	50			1.168	1.244	6.52	
1.4-Dimethylnaphthalene	1	0		7.82	50.82	50			0.917	0.932	1.65	
Dimethylnaphthalenes	1	0		7.82	50.82	50	20			0.932	1.65	
Diphenyl Ether	1	0		7.61	53.01	50			0.881	0.934	6.02	
2-Nitroaniline	1	0		7.63	51.76	50			0.362	0.375	3.53	
Coumarin	1	0		7.81	51.00				0.458			
Acenaphthylene	1	0		7.89	52.31	50			1.898	1.985	4.63	
Dimethylphthalate	1	0		7.77	52.19	50			1.406	1.468	4.37	
2.6-Dinitrotoluene	1	0		7.83	53.18	50			0.311	0.331	6.36	
Acenaphthene	1	0	CC	8.04	50.41	50	20		1.224	1.234	0.82	
3-Nitroaniline	1	0		7.97	55.73	50			0.331	0.369	11.45	
2.4-Dinitrophenol	1	0	CP	8.06	58.06	50	0.05		0.179	0.227	16.12	
Dibenzofuran	1	0		8.20	51.14	50			1.740	1.780	2.28	
2.4-Dinitrotoluene	1	0		8.18	53.63	50			0.428	0.459	7.26	
4-Nitrophenol	1	0	CP	8.10	53.23	50	0.05		0.218	0.241	6.46	
2.3.4.6-Tetrachlorophenol	1	0		8.30	52.71	50			0.378	0.398	5.42	
Fluorene	1	0		8.52	52.44	50			1.467	1.539	4.88	
4-Chlorophenyl-phenylether	1	0		8.51	53.02	50			0.703	0.745	6.04	
Diethylphthalate	1	0		8.40	51.28	50			1.437	1.474	2.57	
4-Nitroaniline	1	0		8.53	53.42	50			0.367	0.392	6.84	
Atrazine	1	0		9.15	48.96	50			0.423	0.414	2.08	
Phenanthrene-d10	1	0	I	9.46	40.00	40				0.000	0.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 5M73434.D **Instrument:** GCMS 5

Cont Calibration Date/Time 3/11/2012 1:42:00 P Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
4,6-Dinitro-2-methylphenol	1	0		8.56	53.62	50			0.126	0.147	7.24	
n-Nitrosodiphenylamine	1	0	CC	8.62	50.99	50	20		0.633	0.646	1.97	
2,4,6-Tribromophenol	1	0	S	8.75	54.54	50			0.142	0.155	9.08	
1,2-Diphenylhydrazine	1	0		8.66	49.73	50			0.659	0.655	0.55	
4-Bromophenyl-phenylether	1	0		8.99	51.66	50			0.231	0.239	3.31	
Hexachlorobenzene	1	0		9.05	51.17	50			0.281	0.287	2.34	
N-Octadecane	1	0		9.32	50.57	50			0.309	0.312	1.15	
Pentachlorophenol	1	0	CC	9.25	53.43	50	20		0.169	0.181	6.85	
Phenanthrene	1	0		9.48	50.34	50			1.127	1.135	0.68	
Anthracene	1	0		9.54	51.21	50			1.137	1.165	2.42	
Carbazole	1	0		9.71	50.77	50			1.093	1.109	1.53	
Di-n-butylphthalate	1	0		10.10	51.57	50			1.201	1.314	3.15	
Fluoranthene	1	0	CC	10.81	51.00	50	20		1.329	1.356	2.00	
Chrysene-d12	1	0	I	12.51	40.00	40				0.000	0.00	
Pyrene	1	0		11.08	50.45	50			1.077	1.087	0.91	
Benzidine	1	0		10.98	43.54	50			0.307	0.351	12.93	
Terphenyl-d14	1	0	S	11.26	24.95	25			0.760	0.759	0.19	
4,4'-DDE	1	0		11.20	50.11				0.256			
4,4'-DDD	1	0		11.60	51.29				0.375			
Butylbenzylphthalate	1	0		11.86	54.31	50			0.442	0.480	8.62	
4,4'-DDT	1	0		11.96	53.04				0.330			
3,3'-Dichlorobenzidine	1	0		12.48	54.79	50			0.315	0.388	9.57	
Benzo[a]anthracene	1	0		12.50	50.67	50			1.092	1.107	1.35	
Chrysene	1	0		12.54	50.73	50			1.031	1.046	1.46	
bis(2-Ethylhexyl)phthalate	1	0		12.56	53.96	50			0.626	0.676	7.92	
Perylene-d12	1	0	I	14.12	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	13.31	54.20	50	20		0.976	1.124	8.40	
Benzo[b]fluoranthene	1	0		13.72	48.82	50			1.114	1.087	2.36	
Benzo[k]fluoranthene	1	0		13.74	51.54	50			1.122	1.156	3.08	
Benzo[a]pyrene	1	0	CC	14.06	51.12	50	20		1.061	1.085	2.25	
Indeno[1,2,3-cd]pyrene	1	0		15.35	57.91	50			1.146	1.327	15.82	
Dibenzo[a,h]anthracene	1	0		15.37	59.67	50			0.928	1.108	19.33	
Benzo[g,h,i]perylene	1	0		15.70	56.24	50			1.004	1.129	12.48	
2,2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.761	0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Endrin	1	100		0.00	0.00	50				0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	
2,4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			0.917	0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

FORM8

Internal Standard Areas

Evaluation Std Data File: 5M73344.D Method: EPA 8270C

Analysis Date/Time: 03/06/12 08:35

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	37834	5.62	144545	6.64	89009	8.04	173117	9.49	234971	12.55	248275	14.25
Eval File Area Limit:	18917-75668		72272-289090		44504-178018		86558-346234		117486-469942		124138-496550	
Eval File Rt Limit:	5.12-6.12		6.14-7.14		7.54-8.54		8.99-9.99		12.05-13.05		13.75-14.75	

Data File	Sample												
5M73344.D	CAL BNA@50	37834	5.62	144545	6.64	89009	8.04	173117	9.49	234971	12.55	248275	14.25
5M73345.D	CAL BNA@19	39260	5.62	155657	6.64	102862	8.06	211182	9.50	286512	12.56	295776	14.21
5M73346.D	CAL BNA@16	53863	5.62	207095	6.64	132965	8.05	264044	9.50	330996	12.56	292385	14.22
5M73347.D	CAL BNA@12	43609	5.62	173682	6.64	109341	8.05	211475	9.50	311861	12.56	335218	14.26
5M73348.D	CAL BNA@10	50056	5.62	194193	6.63	122537	8.04	239933	9.49	317957	12.54	329523	14.22
5M73349.D	CAL BNA@20	56624	5.62	212942	6.64	137904	8.05	262653	9.49	339934	12.55	327758	14.21
5M73350.D	CAL BNA@2F	55670	5.62	213549	6.64	134505	8.05	261987	9.50	297763	12.55	278722	14.22
5M73351.D	CAL BNA@.5	40748	5.62	159688	6.64	94486	8.06	186962	9.50	243297	12.54	260452	14.19
5M73352.D	CAL BNA@80	51800	5.62	200365	6.64	128452	8.05	258407	9.50	335907	12.55	345723	14.20
5M73355.D	ICV BNA@50	48766	5.62	188693	6.65	120815	8.07	233469	9.51	331779	12.56	343251	14.24
5M73356.D	TEST 2PPM	52719	5.62	200339	6.65	127433	8.09	251709	9.52	322479	12.56	320023	14.24

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10
I2 =	Naphthalene-d8	I5 =	Chrysene-d12
I3 =	Acenaphthene-d10	I6 =	Perylene-d12

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
624/8260 Internal Standard concentration = 30ug/L
524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 5M73434.D Method: EPA 8270C

Analysis Date/Time: 03/11/12 13:42

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	46867	5.59	185663	6.61	115910	8.02	232559	9.46	313309	12.51	333069	14.12
Eval File Area Limit:	23434-93734		92832-371326		57955-231820		116280-465118		156654-626618		166534-666138	
Eval File Rt Limit:	5.09-6.09		6.11-7.11		7.52-8.52		8.96-9.96		12.01-13.01		13.62-14.62	

Data File	Sample												
5M73435.D	SMB13730	60316	5.60	227431	6.61	143882	8.02	281820	9.46	330827	12.51	313526	14.11
5M73436.D	SMB13732	51765	5.59	204783	6.61	127777	8.01	260772	9.46	332373	12.51	344798	14.11
5M73437.D	WMB13711	59213	5.59	234539	6.61	151586	8.01	300906	9.46	392765	12.50	408209	14.11
5M73438.D	WMB13734	51954	5.59	206749	6.61	136538	8.01	268587	9.46	353917	12.50	374355	14.11
5M73439.D	WMB13724	49804	5.59	193752	6.61	124099	8.01	244823	9.46	314430	12.50	334165	14.11
5M73440.D	SMB13730(M	45237	5.59	172393	6.61	113915	8.01	229107	9.46	293053	12.50	292850	14.11
5M73441.D	SMB13732(M	42029	5.59	158945	6.61	103195	8.01	205661	9.46	256272	12.50	257361	14.11
5M73445.D	AC64632-001	57413	5.59	223199	6.61	144891	8.01	287527	9.46	345855	12.51	325001	14.11
5M73446.D	AC64632-001(	44051	5.59	171577	6.61	113127	8.01	237473	9.46	301899	12.51	300058	14.11
5M73447.D	AC64632-001(	47174	5.59	184187	6.61	121281	8.01	235326	9.46	303043	12.50	311492	14.11
5M73448.D	AC64563-006(	55345	5.59	210284	6.61	138697	8.02	271500	9.46	340726	12.51	315391	14.12
5M73449.D	AC64563-006(	44329	5.59	169844	6.61	115961	8.02	235958	9.46	318902	12.51	321414	14.11
5M73450.D	AC64563-006	41537	5.59	159839	6.61	108874	8.02	217583	9.46	278553	12.50	287107	14.11
5M73451.D	AC64563-005	48461	5.59	174604	6.61	123727	8.02	246908	9.46	332439	12.51	298959	14.12
5M73452.D	AC64606-001	45982	5.59	184731	6.61	123660	8.01	245744	9.46	312544	12.51	294389	14.11
5M73453.D	AC64606-002	51401	5.59	193699	6.61	124787	8.01	240113	9.46	272975	12.50	227231	14.11
5M73454.D	AC64635-002	50413	5.59	200647	6.61	133964	8.01	262923	9.46	317385	12.51	292945	14.11
5M73455.D	AC64635-003	56021	5.59	214228	6.61	141281	8.01	268260	9.46	314126	12.51	276111	14.11
5M73456.D	AC64563-008	50497	5.60	160229	6.62	117117	8.03	230954	9.48	277767	12.51	236211	14.11
5M73457.D	AC64563-011	60989	5.60	181125	6.62	138766	8.03	267084	9.48	302509	12.51	254771	14.11

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

Metal Data

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC64606-001	% Solid:	93	Lab Name:	Veritech	Nras No:	
Client Id:	B-3	Units:	MG/KG	Lab Code:		Sdg No:	
Matrix:	SOIL	Date Rec:	3/8/2012	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	220	11000	1	0.5	50	03/12/12	15330	S13667B	26	P	PEICPRAD1A
7440-36-0	Antimony	2.2	ND	1	0.5	50	03/12/12	15330	S13667A3	27	P	PEICP3A
7440-38-2	Arsenic	2.2	ND	1	0.5	50	03/12/12	15330	S13667A3	27	P	PEICP3A
7440-39-3	Barium	11	140	1	0.5	50	03/12/12	15330	S13667A3	27	P	PEICP3A
7440-41-7	Beryllium	0.65	ND	1	0.5	50	03/12/12	15330	S13667A3	27	P	PEICP3A
7440-43-9	Cadmium	0.65	ND	1	0.5	50	03/12/12	15330	S13667A3	27	P	PEICP3A
7440-70-2	Calcium	1100	2600	1	0.5	50	03/12/12	15330	S13667C	10	P	PEICPRAD1A
7440-47-3	Chromium	5.4	33	1	0.5	50	03/12/12	15330	S13667A3	27	P	PEICP3A
7440-48-4	Cobalt	2.7	12	1	0.5	50	03/12/12	15330	S13667A3	27	P	PEICP3A
7440-50-8	Copper	5.4	42	1	0.5	50	03/12/12	15330	S13667A3	27	P	PEICP3A
7439-89-6	Iron	220	23000	1	0.5	50	03/12/12	15330	S13667B	26	P	PEICPRAD1A
7439-92-1	Lead	5.4	65	1	0.5	50	03/12/12	15330	S13667A3	27	P	PEICP3A
7439-95-4	Magnesium	540	4000	1	0.5	50	03/12/12	15330	S13667B	26	P	PEICPRAD1A
7439-96-5	Manganese	11	350	1	0.5	50	03/12/12	15330	S13667A3	27	P	PEICP3A
7439-97-6	Mercury	0.090	ND	1	0.15	25	03/12/12	15330	H13667S	18	CV	HGCV2A
7440-02-0	Nickel	5.4	23	1	0.5	50	03/12/12	15330	S13667A3	27	P	PEICP3A
7440-09-7	Potassium	540	3500	1	0.5	50	03/12/12	15330	S13667B	26	P	PEICPRAD1A
7782-49-2	Selenium	1.9	ND	1	0.5	50	03/12/12	15330	S13667A3	27	P	PEICP3A
7440-22-4	Silver	1.6	ND	1	0.5	50	03/12/12	15330	S13667A3	27	P	PEICP3A
7440-23-5	Sodium	270	ND	1	0.5	50	03/13/12	15330	S13667B3	26	P	PEICPRAD3A
7440-28-0	Thallium	1.3	ND	1	0.5	50	03/12/12	15330	S13667A3	27	P	PEICP3A
7440-62-2	Vanadium	11	32	1	0.5	50	03/12/12	15330	S13667A3	27	P	PEICP3A
7440-66-6	Zinc	11	150	1	0.5	50	03/12/12	15330	S13667A3	27	P	PEICP3A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC64606-002	% Solid:	92	Lab Name:	Veritech	Nras No:	
Client Id:	B-2	Units:	MG/KG	Lab Code:		Sdg No:	
Matrix:	SOIL	Date Rec:	3/8/2012	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	220	12000	1	0.5	50	03/12/12	15330	S13667B	27	P	PEICPRAD1A
7440-36-0	Antimony	2.2	ND	1	0.5	50	03/12/12	15330	S13667A3	28	P	PEICP3A
7440-38-2	Arsenic	2.2	ND	1	0.5	50	03/12/12	15330	S13667A3	28	P	PEICP3A
7440-39-3	Barium	11	93	1	0.5	50	03/12/12	15330	S13667A3	28	P	PEICP3A
7440-41-7	Beryllium	0.65	ND	1	0.5	50	03/12/12	15330	S13667A3	28	P	PEICP3A
7440-43-9	Cadmium	0.65	ND	1	0.5	50	03/12/12	15330	S13667A3	28	P	PEICP3A
7440-70-2	Calcium	1100	1100	1	0.5	50	03/12/12	15330	S13667C	11	P	PEICPRAD1A
7440-47-3	Chromium	5.4	39	1	0.5	50	03/12/12	15330	S13667A3	28	P	PEICP3A
7440-48-4	Cobalt	2.7	10	1	0.5	50	03/12/12	15330	S13667A3	28	P	PEICP3A
7440-50-8	Copper	5.4	27	1	0.5	50	03/12/12	15330	S13667A3	28	P	PEICP3A
7439-89-6	Iron	220	19000	1	0.5	50	03/12/12	15330	S13667B	27	P	PEICPRAD1A
7439-92-1	Lead	5.4	ND	1	0.5	50	03/12/12	15330	S13667A3	28	P	PEICP3A
7439-95-4	Magnesium	540	3800	1	0.5	50	03/12/12	15330	S13667B	27	P	PEICPRAD1A
7439-96-5	Manganese	11	430	1	0.5	50	03/12/12	15330	S13667A3	28	P	PEICP3A
7439-97-6	Mercury	0.091	ND	1	0.15	25	03/12/12	15330	H13667S	19	CV	HGCV2A
7440-02-0	Nickel	5.4	22	1	0.5	50	03/12/12	15330	S13667A3	28	P	PEICP3A
7440-09-7	Potassium	540	3600	1	0.5	50	03/12/12	15330	S13667B	27	P	PEICPRAD1A
7782-49-2	Selenium	2.0	ND	1	0.5	50	03/12/12	15330	S13667A3	28	P	PEICP3A
7440-22-4	Silver	1.6	ND	1	0.5	50	03/12/12	15330	S13667A3	28	P	PEICP3A
7440-23-5	Sodium	270	ND	1	0.5	50	03/13/12	15330	S13667B3	27	P	PEICPRAD3A
7440-28-0	Thallium	1.3	ND	1	0.5	50	03/12/12	15330	S13667A3	28	P	PEICP3A
7440-62-2	Vanadium	11	36	1	0.5	50	03/12/12	15330	S13667A3	28	P	PEICP3A
7440-66-6	Zinc	11	35	1	0.5	50	03/12/12	15330	S13667A3	28	P	PEICP3A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID: MB 15330 (100) % Solid: 0 Lab Name: Veritech
Client Id: MB 15330 (100) Units: MG/KG Lab Code:
Matrix: SOIL
Level: LOW

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	200	ND	1	0.5	50	03/12/12	15330	S13667B	10	P	PEICPRAD1A
7440-36-0	Antimony	2.0	ND	1	0.5	50	03/12/12	15330	S13667A3	11	P	PEICP3A
7440-38-2	Arsenic	2.0	ND	1	0.5	50	03/12/12	15330	S13667A3	11	P	PEICP3A
7440-39-3	Barium	10	ND	1	0.5	50	03/12/12	15330	S13667A3	11	P	PEICP3A
7440-41-7	Beryllium	0.60	ND	1	0.5	50	03/12/12	15330	S13667A3	11	P	PEICP3A
7440-43-9	Cadmium	0.60	ND	1	0.5	50	03/12/12	15330	S13667A3	11	P	PEICP3A
7440-70-2	Calcium	1000	ND	1	0.5	50	03/12/12	15330	S13667B	10	P	PEICPRAD1A
7440-47-3	Chromium	5.0	ND	1	0.5	50	03/12/12	15330	S13667A3	11	P	PEICP3A
7440-48-4	Cobalt	2.5	ND	1	0.5	50	03/12/12	15330	S13667A3	11	P	PEICP3A
7440-50-8	Copper	5.0	ND	1	0.5	50	03/12/12	15330	S13667A3	11	P	PEICP3A
7439-89-6	Iron	200	ND	1	0.5	50	03/12/12	15330	S13667B	10	P	PEICPRAD1A
7439-92-1	Lead	5.0	ND	1	0.5	50	03/12/12	15330	S13667A3	11	P	PEICP3A
7439-95-4	Magnesium	500	ND	1	0.5	50	03/12/12	15330	S13667B	10	P	PEICPRAD1A
7439-96-5	Manganese	10	ND	1	0.5	50	03/12/12	15330	S13667A3	11	P	PEICP3A
7439-98-7	Molybdenum	2.5	ND	1	0.5	50	03/12/12	15330	S13667A3	11	P	PEICP3A
7440-02-0	Nickel	5.0	ND	1	0.5	50	03/12/12	15330	S13667A3	11	P	PEICP3A
7440-09-7	Potassium	500	ND	1	0.5	50	03/12/12	15330	S13667B	10	P	PEICPRAD1A
7782-49-2	Selenium	1.8	ND	1	0.5	50	03/12/12	15330	S13667A3	11	P	PEICP3A
7440-22-4	Silver	1.5	ND	1	0.5	50	03/12/12	15330	S13667A3	11	P	PEICP3A
7440-23-5	Sodium	250	ND	1	0.5	50	03/13/12	15330	S13667B3	10	P	PEICPRAD3A
7440-28-0	Thallium	1.2	ND	1	0.5	50	03/12/12	15330	S13667A3	11	P	PEICP3A
7440-31-5	Tin	5.7	ND	1	0.5	50	03/12/12	15330	S13667A3	11	P	PEICP3A
7440-32-6	Titanium	35	ND	1	0.5	50	03/12/12	15330	S13667A3	11	P	PEICP3A
7440-62-2	Vanadium	10	ND	1	0.5	50	03/12/12	15330	S13667A3	11	P	PEICP3A
7440-66-6	Zinc	10	ND	1	0.5	50	03/12/12	15330	S13667A3	11	P	PEICP3A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID: MB 15330 (167) % Solid: 0 Lab Name: Veritech
Client Id: MB 15330 (167) Units: MG/KG Lab Code:
Matrix: SOIL
Level: LOW

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7439-97-6	Mercury	0.083	ND	1	0.15	25	03/12/12	15330	H13667S	11	CV	HGCV2A

Comments:

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

FORM 2
(ICV/CCV Summary)

Date Analyzed: 03/12/12
Data File: S13667A3
Prep Batch: 15330
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2030726

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

Analyte	ICV/CCV Amt	ICV (2) V-134051-7	Rec	CCV V-135453-19	Rec	CCV V-135453-25	Rec	CCV V-135453-36	Rec	CCV V-135453-46	Rec		Rec		Rec		Rec
Antimony	1/.5	1.01939	102	0.50095	100	0.50798	102	0.51082	102	0.51559	103						
Arsenic	1/.5	1.01416	101	0.50248	100	0.50280	101	0.50251	101	0.50720	101						
Barium	1/.5	1.03245	103	0.51408	103	0.50648	101	0.51533	103	0.51813	104						
Beryllium	1/.5	1.01426	101	0.50255	101	0.50488	101	0.50296	101	0.50006	100						
Cadmium	1/.5	1.06825	107	0.51993	104	0.52008	104	0.53038	106	0.53204	106						
Chromium	1/.5	1.01998	102	0.50699	101	0.50855	102	0.50721	101	0.51752	104						
Cobalt	1/.5	1.04039	104	0.51429	103	0.51161	102	0.51929	104	0.52213	104						
Copper	1/.5	1.03178	103	0.52206	104	0.51646	103	0.52431	105	0.52861	106						
Lead	1/.5	1.01663	102	0.51217	102	0.50609	101	0.52432	105	0.51253	103						
Manganese	1/.5	1.01700	102	0.50614	101	0.49721	99	0.50412	101	0.50827	102						
Molybdenum	1/.5	1.01844	102	0.51015	102	0.50697	101	0.50894	102	0.51118	102						
Nickel	1/.5	1.03126	103	0.51152	102	0.50936	102	0.51820	104	0.52528	105						
Selenium	1/.5	1.03151	103	0.50716	101	0.50744	101	0.50592	101	0.50560	101						
Silver	0.2/0.1	0.20220	101	0.10223	102	0.10084	101	0.10165	102	0.10292	103						
Thallium	1/.5	1.05680	106	0.53781	108	0.53252	107	0.54492	109	0.54356	109						
Vanadium	1/.5	1.01010	101	0.50741	101	0.50263	101	0.50798	102	0.51200	102						
Zinc	1/.5	1.06454	106	0.50813	102	0.50389	101	0.53012	106	0.52177	104						

Notes:
a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits:
ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-11

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 2
(ICV/CCV Summary)

Date Analyzed: 03/12/12
Data File: S13667B
Prep Batch: 15330
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICPRAD1A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2030726

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

Analyte	ICV/CCV Amt	ICV V-135455 (2)-6	Rec	CCV V-135454-18	Rec	CCV V-135454-24	Rec	CCV V-135454-34	Rec	CCV V-135454-44	Rec		Rec		Rec		Rec
Aluminum	10/5	9.98679	100	5.39553	108	5.24430	105	5.42594	109	5.44460	109						
Calcium	100/50	100.06300	100	53.39150	107	54.97810	110	56.23060	112 c	55.09610	110						
Iron	10/5	9.91803	99	5.35118	107	5.24145	105	5.40415	108	5.42227	108						
Magnesium	100/50	99.13960	99	53.88950	108	53.74320	107	54.37420	109	54.66630	109						
Potassium	100/50	101.25400	101	52.28110	105	54.20240	108	55.10310	110	54.00950	108						

Notes:
a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits:
ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-11

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 2
(ICV/CCV Summary)

Date Analyzed: 03/13/12
Data File: S13667B3
Prep Batch: 15330
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICPRAD3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2030726

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

Analyte	ICV/CCV Amt	ICV (2) V-134051-6	Rec	CCV V-135454-18	Rec	CCV V-135454-24	Rec	CCV V-135454-34	Rec	CCV V-135454-44	Rec		Rec		Rec		Rec
Sodium	100/50	102.22500	102	50.57670	101	49.71990	99	50.26850	101	50.32140	101						

Notes:
a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits:
ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-11

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 2
(ICV/CCV Summary)

Date Analyzed: 03/12/12
Data File: S13667C
Prep Batch: 15330
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICPRAD1A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2030726

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

Analyte	ICV/CCV Amt	ICV V-135455 (2)-6	Rec	CCV V-135454-17	Rec	CCV V-135454-27	Rec		Rec		Rec		Rec		Rec		Rec
Calcium	100/50	101.44600	101	50.83320	102	51.83880	104										

Notes:
a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits:
ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-11

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 2
(ICV/CCV Summary)

Date Analyzed: 03/12/12
Data File: H13667S
Prep Batch: 15330
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: HGCV2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2030726

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

Analyte	ICV/CCV Amt	ICV (2)-9	Rec	CCV-21	Rec	CCV-33	Rec	CCV-36	Rec		Rec		Rec		Rec		Rec
Mercury	20/10	21.57000	108	10.55000	106	10.52000	105	10.65000	106								

Notes:
a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits:
ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-11

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 03/12/12
Data File: S13667A3
Prep Batch: 15330
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2030726

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-134948-8	CCB V-134948-20	CCB V-134948-26	CCB V-134948-37	CCB V-134948-47	MB 15330 (100)-11		
Antimony	.02 U	.02 U	.02 U	.02 U	.02 U	2 U		
Arsenic	.02 U	.02 U	.02 U	.02 U	.02 U	2 U		
Barium	.1 U	.1 U	.1 U	.1 U	.1 U	10 U		
Beryllium	.006 U	.006 U	.006 U	.006 U	.006 U	.6 U		
Cadmium	.006 U	.006 U	.006 U	.006 U	.006 U	.6 U		
Chromium	.05 U	.05 U	.05 U	.05 U	.05 U	5 U		
Cobalt	.025 U	.025 U	.025 U	.025 U	.025 U	2.5 U		
Copper	.05 U	.05 U	.05 U	.05 U	.05 U	5 U		
Lead	.05 U	.05 U	.05 U	.05 U	.05 U	5 U		
Manganese	.1 U	.1 U	.1 U	.1 U	.1 U	10 U		
Molybdenum	.025 U	.025 U	.025 U	.025 U	.025 U	2.5 U		
Nickel	.05 U	.05 U	.05 U	.05 U	.05 U	5 U		
Selenium	.018 U	.018 U	.018 U	.018 U	.018 U	1.8 U		
Silver	.015 U	.015 U	.015 U	.015 U	.015 U	1.5 U		
Thallium	.012 U	.012 U	.012 U	.012 U	.012 U	1.2 U		
Vanadium	.1 U	.1 U	.1 U	.1 U	.1 U	10 U		
Zinc	.1 U	.1 U	.1 U	.1 U	.1 U	10 U		

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 03/12/12
Data File: S13667B
Prep Batch: 15330
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICPRAD1A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2030726

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-134948-7	CCB-19	CCB-25	CCB-35	CCB-45	MB 15330 (100)-10		
Aluminum	2 U	2 U	2 U	2 U	2 U	200 U		
Calcium	10 U	10 U	10 U	10 U	10 U	1000 U		
Iron	2 U	2 U	2 U	2 U	2 U	200 U		
Magnesium	5 U	5 U	5 U	5 U	5 U	500 U		
Potassium	5 U	5 U	5 U	5 U	5 U	500 U		

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 03/13/12
Data File: S13667B3
Prep Batch: 15330
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICPRAD3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2030726

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-134948-7	CCB V-134948-19	CCB V-134948-25	CCB V-134948-35	CCB V-134948-45	MB 15330 (100)-10		
Sodium	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	250 U		

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 03/12/12
Data File: S13667C
Prep Batch: 15330
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICPRAD1A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2030726

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-134948-7	CCB-18	CCB-28					
Calcium	10 U	10 U	10 U					

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 03/12/12
Data File: H13667S
Prep Batch: 15330
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: HGCV2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2030726

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB-10	CCB-22	CCB-34	CCB-37	MB 15330 (167)-11			
Mercury	.5 U	.5 U	.5 U	.5 U	83 U			

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 4
(ICSA/ICSAB Summary)

Date Analyzed: 03/12/12
Data File: S13667A3
Prep Batch: 15330
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2030726

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICSA/ICSAB: SOURCE: VHG LABS

Analyte	Spk Amt	ICSA V-134491-9	Rec	ICSAB V-134492-10	Rec	ICSA V-134491-23	Rec	ICSAB V-134492-24	Rec	ICSA V-134491-44	Rec	ICSAB V-134492-45	Rec		Rec		Rec
Aluminum	500	504.634	101	510.64400	102	499.019	100	513.93500	103	513.197	103	506.11100	101				
Antimony	1	U		1.03886	104	U		1.03392	103	U		1.02454	102				
Arsenic	1	U		1.06072	106	U		1.05338	105	U		1.04815	105				
Barium	.5	U		0.54070	108	U		0.54207	108	U		0.53722	107				
Beryllium	.5	U		0.51215	102	U		0.52673	105	U		0.51551	103				
Cadmium	1	U		1.09025	109	U		1.07940	108	U		1.05730	106				
Calcium	500	491.228	98	497.07000	99	486.476	97	500.40100	100	497.473	99	489.01200	98				
Chromium	.5	U		0.50559	101	U		0.50558	101	U		0.49334	99				
Cobalt	.5	U		0.49474	99	U		0.49090	98	U		0.48680	97				
Copper	.5	U		0.53476	107	U		0.53792	108	U		0.53812	108				
Iron	200	193.225	97	193.03000	97	189.334	95	198.39000	99	192.563	96	194.38900	97				
Lead	1	U		1.00961	101	U		0.99608	100	U		0.99148	99				
Magnesium	500	520.116	104	519.30300	104	508.398	102	533.46400	107	516.264	103	521.76500	104				
Manganese	.5	U		0.50554	101	U		0.50590	101	U		0.50130	100				
Nickel	1	U		0.98444	98	U		0.98345	98	U		0.97532	98				
Selenium	1	U		1.03003	103	U		1.02881	103	U		1.01250	101				
Silver	1	U		1.09282	109	U		1.09948	110	U		1.09678	110				
Thallium	1	U		0.98282	98	U		0.98443	98	U		0.97616	98				
Vanadium	.5	U		0.50883	102	U		0.50629	101	U		0.50402	101				
Zinc	1	U		1.01851	102	U		1.01765	102	U		1.01560	102				

Notes: a-indicates absolute value of the concentration > 2 * Reporting Limits In the ICSA
b-indicates absolute value of the concentration above Reporting Limits but < 2 * Reporting Limits in the ICSA
c-indicates the recovery failed the Qc Criteria in the ICSAB
u-indicates the absolute value of the concentration was below the reporting limit

FORM 4
(ICSA/ICSAB Summary)

Date Analyzed: 03/12/12
Data File: S13667B
Prep Batch: 15330
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICPRAD1A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2030726

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICSA/ICSAB: SOURCE: VHG LABS

Analyte	Spk Amt	ICSA V-135817-8	Rec	ICSAB V-135821-9	Rec	ICSA V-135817-22	Rec	ICSAB V-135821-23	Rec	ICSA V-135817-42	Rec	ICSAB V-135821-43	Rec		Rec		Rec
Aluminum	500	497.551	100	508.45700	102	509.453	102	506.22100	101	523.547	105	519.50700	104				
Calcium	500	491.232	98	501.19600	100	500.715	100	499.29000	100	513.251	103	509.80000	102				
Iron	200	190.482	95	194.68700	97	193.459	97	192.68500	96	197.572	99	196.19000	98				
Magnesium	500	498.356	100	508.70900	102	505.588	101	504.92500	101	517.974	104	514.80600	103				

Notes: a-indicates absolute value of the concentration > 2 * Reporting Limits In the ICSA
b-indicates absolute value of the concentration above Reporting Limits but < 2 * Reporting Limits in the ICSA
c-indicates the recovery failed the Qc Criteria in the ICSAB
u-indicates the absolute value of the concentration was below the reporting limit

FORM 4
(ICSA/ICSAB Summary)

Date Analyzed: 03/13/12
Data File: S13667B3
Prep Batch: 15330
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICPRAD3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2030726

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICSA/ICSAB: SOURCE: VHG LABS

Analyte	Spk Amt	ICSA V-135817-8	Rec	ICSAB V-135821-9	Rec	ICSA V-135817-22	Rec	ICSAB V-135821-23	Rec	ICSA V-135817-42	Rec	ICSAB V-135821-43	Rec	Rec	Rec
Aluminum	500	505.866	101	506.60300	101	492.633	99	500.54700	100	499.656	100	500.23300	100		
Calcium	500	513.531	103	515.64000	103	498.364	100	507.17900	101	507.774	102	507.38300	101		
Iron	200	194.07	97	195.23900	98	188.359	94	192.13900	96	191.785	96	192.19800	96		
Magnesium	500	511.156	102	514.42900	103	495.074	99	504.31900	101	504.478	101	504.83800	101		

Notes: a-indicates absolute value of the concentration > 2 * Reporting Limits In the ICSA
b-indicates absolute value of the concentration above Reporting Limits but < 2 * Reporting Limits in the ICSA
c-indicates the recovery failed the Qc Criteria in the ICSAB
u-indicates the absolute value of the concentration was below the reporting limit

FORM 4
(ICSA/ICSAB Summary)

Date Analyzed: 03/12/12
Data File: S13667C
Prep Batch: 15330
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICPRAD1A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2030726

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICSA/ICSAB: SOURCE: VHG LABS

Analyte	Spk Amt	ICSA V-135817-8	Rec	ICSAB V-135821-9	Rec	ICSA V-135817-25	Rec	ICSAB V-135821-26	Rec		Rec		Rec		Rec
Aluminum	500	479.461	96	486.21100	97	481.604	96	482.51800	97						
Calcium	500	474.747	95	480.91500	96	476.785	95	478.01400	96						
Iron	200	182.551	91	185.11800	93	183.129	92	183.81100	92						
Magnesium	500	478.707	96	485.39200	97	480.521	96	481.41300	96						

Notes: a-indicates absolute value of the concentration > 2 * Reporting Limits In the ICSA
b-indicates absolute value of the concentration above Reporting Limits but < 2 * Reporting Limits in the ICSA
c-indicates the recovery failed the Qc Criteria in the ICSAB
u-indicates the absolute value of the concentration was below the reporting limit

FORM5/FORM7

SPIKE RECOVERY DATA

PREP BATCH: 15330

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR Matrix: SOIL SampleID: LCS MR 15330

Analyte	BatchId	DF	Data Fil	Seq#:	Spk Conc:	Spk Adde	Recov	Qual	Lo Lim	Hi Lim
Aluminum	15330	1	S13667B	12	65.7808	84.0	78		47	152
Antimony	15330	1	S13667A3	13	0.8303	0.933	89		2.1	199
Arsenic	15330	1	S13667A3	13	0.9236	0.945	98		82	117
Barium	15330	1	S13667A3	13	1.6565	1.67	99		84	116
Beryllium	15330	1	S13667A3	13	0.5666	0.576	98		85	117
Cadmium	15330	1	S13667A3	13	0.6072	0.605	100		83	117
Calcium	15330	1	S13667B	12	64.3252	61.4	105		83	117
Chromium	15330	1	S13667A3	13	0.6646	0.704	94		82	118
Cobalt	15330	1	S13667A3	13	1.0506	1.02	103		83	117
Copper	15330	1	S13667A3	13	0.8080	0.796	102		84	116
Iron	15330	1	S13667B	12	112.6210	125	90		51	150
Lead	15330	1	S13667A3	13	0.9042	0.918	98		82	118
Magnesium	15330	1	S13667B	12	25.4328	25.8	99		76	124
Manganese	15330	1	S13667A3	13	2.7229	2.83	96		82	117
Mercury	15330	1	H13667S	13	23.1300	22.34	104		72	128
Nickel	15330	1	S13667A3	13	0.5847	0.576	102		83	117
Potassium	15330	1	S13667B	12	22.8027	24.9	92		70	130
Selenium	15330	1	S13667A3	13	0.8341	0.864	97		80	120
Silver	15330	1	S13667A3	13	0.3385	0.344	98		66	134
Sodium	15330	1	S13667B3	12	1.7029	2.15	79		67	133
Thallium	15330	1	S13667A3	13	1.2180	1.20	101		78	121
Vanadium	15330	1	S13667A3	13	0.4940	0.570	87		74	126
Zinc	15330	1	S13667A3	13	1.3724	1.40	98		82	118

TxtQcType: LCS Matrix: SOIL SampleID: LCS 15330

Analyte	BatchId	DF	Data Fil	Seq#:	Spk Conc:	Spk Adde	Recov	Qual	Lo Lim	Hi Lim
Aluminum	15330	1	S13667B	11	63.9164	84.0	76		47	152
Antimony	15330	1	S13667A3	12	0.8276	0.933	89		2.1	199
Arsenic	15330	1	S13667A3	12	0.9606	0.945	102		82	117
Barium	15330	1	S13667A3	12	1.6637	1.67	100		84	116
Beryllium	15330	1	S13667A3	12	0.5729	0.576	99		85	117
Cadmium	15330	1	S13667A3	12	0.6257	0.605	103		83	117
Calcium	15330	1	S13667B	11	63.5972	61.4	104		83	117
Chromium	15330	1	S13667A3	12	0.6802	0.704	97		82	118
Cobalt	15330	1	S13667A3	12	1.0851	1.02	106		83	117
Copper	15330	1	S13667A3	12	0.8286	0.796	104		84	116
Iron	15330	1	S13667B	11	114.7310	125	92		51	150
Lead	15330	1	S13667A3	12	0.9321	0.918	102		82	118
Magnesium	15330	1	S13667B	11	25.0085	25.8	97		76	124
Manganese	15330	1	S13667A3	12	2.7848	2.83	98		82	117
Mercury	15330	1	H13667S	12	23.3900	22.34	105		72	128
Nickel	15330	1	S13667A3	12	0.6019	0.576	104		83	117
Potassium	15330	1	S13667B	11	22.3160	24.9	90		70	130
Selenium	15330	1	S13667A3	12	0.8823	0.864	102		80	120
Silver	15330	1	S13667A3	12	0.3459	0.344	101		66	134
Sodium	15330	1	S13667B3	11	1.6386	2.15	76		67	133
Thallium	15330	1	S13667A3	12	1.2342	1.20	103		78	121
Vanadium	15330	1	S13667A3	12	0.5151	0.570	90		74	126
Zinc	15330	1	S13667A3	12	1.4287	1.40	102		82	118

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

FORM5/FORM7

SPIKE RECOVERY DATA

PREP BATCH: 15330

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: MSD Matrix: SOIL SampleID: AC64611-001

Analyte	BatchId	DF	Data Fil	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Adde	Recov	Qual	Lo Lim	Hi Lim
Aluminum	15330	1	S13667B	16	S13667B	13	38.6511	29.4855	5	183	b	75	125
Antimony	15330	1	S13667A3	17	S13667A3	14	0.4160	0.0405	0.50	75		75	125
Arsenic	15330	1	S13667A3	17	S13667A3	14	0.5825	0.1021	0.50	96		75	125
Barium	15330	1	S13667A3	17	S13667A3	14	1.3005	0.7736	0.50	105		75	125
Beryllium	15330	1	S13667A3	17	S13667A3	14	0.4902	0.006U	0.50	98		75	125
Cadmium	15330	1	S13667A3	17	S13667A3	14	0.5165	0.0067	0.50	102		75	125
Calcium	15330	1	S13667B	16	S13667B	13	99.6404	22.4292	50	154	a	75	125
Chromium	15330	1	S13667A3	17	S13667A3	14	0.8141	0.3711	0.50	89		75	125
Cobalt	15330	1	S13667A3	17	S13667A3	14	0.5884	0.0648	0.50	105		75	125
Copper	15330	1	S13667A3	17	S13667A3	14	2.7685	2.5270	0.50	48	b	75	125
Iron	15330	1	S13667B	16	S13667B	13	398.5630	455.1160	5	-1100	b	75	125
Lead	15330	1	S13667A3	17	S13667A3	14	1.5857	1.2865	0.50	60	a	75	125
Magnesium	15330	1	S13667B	16	S13667B	13	66.9211	14.0098	50	106		75	125
Manganese	15330	1	S13667A3	17	S13667A3	14	2.5389	2.4325	0.50	21	b	75	125
Mercury	15330	1	H13667S	17	H13667S	14	12.2800	0.9060	10	114		75	125
Nickel	15330	1	S13667A3	17	S13667A3	14	0.7440	0.2245	0.50	104		75	125
Potassium	15330	1	S13667B	16	S13667B	13	60.1398	7.8249	50	105		75	125
Selenium	15330	1	S13667A3	17	S13667A3	14	0.4792	0.018U	0.50	96		75	125
Silver	15330	1	S13667A3	17	S13667A3	14	0.1004	0.015U	0.10	100		75	125
Sodium	15330	1	S13667B3	16	S13667B3	13	51.0589	2.5U	50	102		75	125
Thallium	15330	1	S13667A3	17	S13667A3	14	0.4858	0.012U	0.50	97		75	125
Vanadium	15330	1	S13667A3	17	S13667A3	14	0.7614	0.2734	0.50	98		75	125
Zinc	15330	1	S13667A3	17	S13667A3	14	1.1092	0.6016	0.50	102		75	125

TxtQcType: MS Matrix: SOIL SampleID: AC64611-001

Analyte	BatchId	DF	Data Fil	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Adde	Recov	Qual	Lo Lim	Hi Lim
Aluminum	15330	1	S13667B	15	S13667B	13	38.9475	29.4855	5	189	b	75	125
Antimony	15330	1	S13667A3	16	S13667A3	14	0.3927	0.0405	0.50	70	a	75	125
Arsenic	15330	1	S13667A3	16	S13667A3	14	0.5918	0.1021	0.50	98		75	125
Barium	15330	1	S13667A3	16	S13667A3	14	1.3073	0.7736	0.50	107		75	125
Beryllium	15330	1	S13667A3	16	S13667A3	14	0.4891	0.006U	0.50	98		75	125
Cadmium	15330	1	S13667A3	16	S13667A3	14	0.5236	0.0067	0.50	103		75	125
Calcium	15330	1	S13667B	15	S13667B	13	78.2078	22.4292	50	112		75	125
Chromium	15330	1	S13667A3	16	S13667A3	14	0.8674	0.3711	0.50	99		75	125
Cobalt	15330	1	S13667A3	16	S13667A3	14	0.5852	0.0648	0.50	104		75	125
Copper	15330	1	S13667A3	16	S13667A3	14	3.1967	2.5270	0.50	134	b	75	125
Iron	15330	1	S13667B	15	S13667B	13	469.5250	455.1160	5	288	b	75	125
Lead	15330	1	S13667A3	16	S13667A3	14	1.7985	1.2865	0.50	102		75	125
Magnesium	15330	1	S13667B	15	S13667B	13	66.7490	14.0098	50	105		75	125
Manganese	15330	1	S13667A3	16	S13667A3	14	2.9194	2.4325	0.50	97		75	125
Mercury	15330	1	H13667S	16	H13667S	14	12.2100	0.9060	10	113		75	125
Nickel	15330	1	S13667A3	16	S13667A3	14	0.7421	0.2245	0.50	104		75	125
Potassium	15330	1	S13667B	15	S13667B	13	58.1414	7.8249	50	101		75	125
Selenium	15330	1	S13667A3	16	S13667A3	14	0.4798	0.018U	0.50	96		75	125
Silver	15330	1	S13667A3	16	S13667A3	14	0.1008	0.015U	0.10	101		75	125
Sodium	15330	1	S13667B3	15	S13667B3	13	52.8054	2.5U	50	106		75	125
Thallium	15330	1	S13667A3	16	S13667A3	14	0.4829	0.012U	0.50	97		75	125
Vanadium	15330	1	S13667A3	16	S13667A3	14	0.7748	0.2734	0.50	100		75	125
Zinc	15330	1	S13667A3	16	S13667A3	14	1.1792	0.6016	0.50	116		75	125

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

FORM5/FORM7

SPIKE RECOVERY DATA

PREP BATCH: 15330

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: PS Matrix: SOIL SampleID: AC64611-001

Analyte	DF	Data Fil	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Adde	Recov	Qual	Lo Lim	Hi Lim
Aluminum	1	S13667B	17	S13667B	13	33.2976	29.4855	5.000	76		75	125
Antimony	1	S13667A3	18	S13667A3	14	0.5199	0.0405	0.50	96		75	125
Arsenic	1	S13667A3	18	S13667A3	14	0.5879	0.1021	0.50	97		75	125
Barium	1	S13667A3	18	S13667A3	14	1.2487	0.7736	0.50	95		75	125
Beryllium	1	S13667A3	18	S13667A3	14	0.4935	0.006U	0.50	99		75	125
Cadmium	1	S13667A3	18	S13667A3	14	0.5241	0.0067	0.50	103		75	125
Calcium	1	S13667B	17	S13667B	13	71.7324	22.4292	50.000	99		75	125
Chromium	1	S13667A3	18	S13667A3	14	0.8505	0.3711	0.50	96		75	125
Cobalt	1	S13667A3	18	S13667A3	14	0.5782	0.0648	0.50	103		75	125
Copper	1	S13667A3	18	S13667A3	14	2.9760	2.5270	0.50	90		75	125
Iron	1	S13667B	17	S13667B	13	444.2110	455.1160	5.000	-220	b	75	125
Lead	1	S13667A3	18	S13667A3	14	1.7098	1.2865	0.50	85		75	125
Magnesium	1	S13667B	17	S13667B	13	64.3083	14.0098	50.000	101		75	125
Manganese	1	S13667A3	18	S13667A3	14	2.8223	2.4325	0.50	78		75	125
Nickel	1	S13667A3	18	S13667A3	14	0.7196	0.2245	0.50	99		75	125
Potassium	1	S13667B	17	S13667B	13	57.6818	7.8249	50	100		75	125
Selenium	1	S13667A3	18	S13667A3	14	0.4889	0.018U	0.50	98		75	125
Silver	1	S13667A3	18	S13667A3	14	0.0983	0.015U	0.10	98		75	125
Sodium	1	S13667B3	17	S13667B3	13	51.2409	2.5U	50	102		75	125
Thallium	1	S13667A3	18	S13667A3	14	0.5023	0.012U	0.50	100		75	125
Vanadium	1	S13667A3	18	S13667A3	14	0.7571	0.2734	0.50	97		75	125
Zinc	1	S13667A3	18	S13667A3	14	1.1014	0.6016	0.50	100		75	125

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

FORM6/FORM9

RPD/%Difference Data

PREP BATCH: 15330

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR Matrix: SOIL SampleID: LCS MR 15330

Analyte	BatchId	Data Fil	Seq#:	NS File	Seq#	Result 1	Result 2	RPD		Limit
Aluminum	15330	S13667B	12	S13667B	11	65.7808	63.9164	2.9		20
Antimony	15330	S13667A3	13	S13667A3	12	0.8303	0.8276	.33		20
Arsenic	15330	S13667A3	13	S13667A3	12	0.9236	0.9606	3.9		20
Barium	15330	S13667A3	13	S13667A3	12	1.6565	1.6637	.44		20
Beryllium	15330	S13667A3	13	S13667A3	12	0.5666	0.5729	1.1		20
Cadmium	15330	S13667A3	13	S13667A3	12	0.6072	0.6257	3		20
Calcium	15330	S13667B	12	S13667B	11	64.3252	63.5972	1.1		20
Chromium	15330	S13667A3	13	S13667A3	12	0.6646	0.6802	2.3		20
Cobalt	15330	S13667A3	13	S13667A3	12	1.0506	1.0851	3.2		20
Copper	15330	S13667A3	13	S13667A3	12	0.8080	0.8286	2.5		20
Iron	15330	S13667B	12	S13667B	11	112.6210	114.7310	1.9		20
Lead	15330	S13667A3	13	S13667A3	12	0.9042	0.9321	3		20
Magnesium	15330	S13667B	12	S13667B	11	25.4328	25.0085	1.7		20
Manganese	15330	S13667A3	13	S13667A3	12	2.7229	2.7848	2.2		20
Mercury	15330	H13667S	13	H13667S	12	23.1300	23.3900	1.1		20
Nickel	15330	S13667A3	13	S13667A3	12	0.5847	0.6019	2.9		20
Potassium	15330	S13667B	12	S13667B	11	22.8027	22.3160	2.2		20
Selenium	15330	S13667A3	13	S13667A3	12	0.8341	0.8823	5.6		20
Silver	15330	S13667A3	13	S13667A3	12	0.3385	0.3459	2.2		20
Sodium	15330	S13667B3	12	S13667B3	11	1.7029	1.6386	3.9		20
Thallium	15330	S13667A3	13	S13667A3	12	1.2180	1.2342	1.3		20
Vanadium	15330	S13667A3	13	S13667A3	12	0.4940	0.5151	4.2		20
Zinc	15330	S13667A3	13	S13667A3	12	1.3724	1.4287	4		20

TxtQcType: MR Matrix: SOIL SampleID: AC64611-001

Analyte	BatchId	Data Fil	Seq#:	NS File	Seq#	Result 1	Result 2	RPD		Limit
Aluminum	15330	S13667B	14	S13667B	13	31.4975	29.4855	6.6		20
Antimony	15330	S13667A3	15	S13667A3	14	0.0348	0.0405	15		20
Arsenic	15330	S13667A3	15	S13667A3	14	0.1064	0.1021	4.2		20
Barium	15330	S13667A3	15	S13667A3	14	0.8348	0.7736	7.6		20
Beryllium	15330	S13667A3	15	S13667A3	14	0.006U	0.006U	---		20
Cadmium	15330	S13667A3	15	S13667A3	14	0.0065	0.0067	2.9		20
Calcium	15330	S13667B	14	S13667B	13	27.9696	22.4292	22	b	20
Chromium	15330	S13667A3	15	S13667A3	14	0.3627	0.3711	2.3		20
Cobalt	15330	S13667A3	15	S13667A3	14	0.0715	0.0648	9.9		20
Copper	15330	S13667A3	15	S13667A3	14	2.5875	2.5270	2.4		20
Iron	15330	S13667B	14	S13667B	13	450.8910	455.1160	0.93		20
Lead	15330	S13667A3	15	S13667A3	14	1.2819	1.2865	0.36		20
Magnesium	15330	S13667B	14	S13667B	13	15.8124	14.0098	12		20
Manganese	15330	S13667A3	15	S13667A3	14	2.3657	2.4325	2.8		20
Mercury	15330	H13667S	15	H13667S	14	0.9140	0.9060	0.88		20
Nickel	15330	S13667A3	15	S13667A3	14	0.2336	0.2245	3.9		20
Potassium	15330	S13667B	14	S13667B	13	8.6179	7.8249	9.6		20
Selenium	15330	S13667A3	15	S13667A3	14	0.018U	0.018U	---		20
Silver	15330	S13667A3	15	S13667A3	14	0.015U	0.015U	---		20
Sodium	15330	S13667B3	14	S13667B3	13	2.5U	2.5U	---		20
Thallium	15330	S13667A3	15	S13667A3	14	0.012U	0.012U	---		20
Vanadium	15330	S13667A3	15	S13667A3	14	0.2935	0.2734	7.1		20
Zinc	15330	S13667A3	15	S13667A3	14	0.6349	0.6016	5.4		20

a-Indicates Rpd Failed the criteria

b-Method Rep Out but concentrations < 5*RL

c-Serial dilution Out but conc < 10 * IDL

FORM6/FORM9

RPD/%Difference Data

PREP BATCH: 15330

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: MSD Matrix: SOIL SampleID: AC64611-001

Analyte	BatchId	Data Fil	Seq#:	MS File	Seq#	Result 1	Result 2	RPD		Limit
Aluminum	15330	S13667B	16	S13667B	15	38.6511	38.9475	.76		20
Antimony	15330	S13667A3	17	S13667A3	16	0.4160	0.3927	5.8		20
Arsenic	15330	S13667A3	17	S13667A3	16	0.5825	0.5918	1.6		20
Barium	15330	S13667A3	17	S13667A3	16	1.3005	1.3073	.52		20
Beryllium	15330	S13667A3	17	S13667A3	16	0.4902	0.4891	.22		20
Cadmium	15330	S13667A3	17	S13667A3	16	0.5165	0.5236	1.4		20
Calcium	15330	S13667B	16	S13667B	15	99.6404	78.2078	24	a	20
Chromium	15330	S13667A3	17	S13667A3	16	0.8141	0.8674	6.3		20
Cobalt	15330	S13667A3	17	S13667A3	16	0.5884	0.5852	.55		20
Copper	15330	S13667A3	17	S13667A3	16	2.7685	3.1967	14		20
Iron	15330	S13667B	16	S13667B	15	398.5630	469.5250	16		20
Lead	15330	S13667A3	17	S13667A3	16	1.5857	1.7985	13		20
Magnesium	15330	S13667B	16	S13667B	15	66.9211	66.7490	.26		20
Manganese	15330	S13667A3	17	S13667A3	16	2.5389	2.9194	14		20
Mercury	15330	H13667S	17	H13667S	16	12.2800	12.2100	.57		20
Nickel	15330	S13667A3	17	S13667A3	16	0.7440	0.7421	.26		20
Potassium	15330	S13667B	16	S13667B	15	60.1398	58.1414	3.4		20
Selenium	15330	S13667A3	17	S13667A3	16	0.4792	0.4798	.12		20
Silver	15330	S13667A3	17	S13667A3	16	0.1004	0.1008	.46		20
Sodium	15330	S13667B3	16	S13667B3	15	51.0589	52.8054	3.4		20
Thallium	15330	S13667A3	17	S13667A3	16	0.4858	0.4829	.59		20
Vanadium	15330	S13667A3	17	S13667A3	16	0.7614	0.7748	1.7		20
Zinc	15330	S13667A3	17	S13667A3	16	1.1092	1.1792	6.1		20

TxtQcType: SD Matrix: SOIL SampleID: AC64611-001

Analyte	BatchId	Data Fil	Seq#:	NS File	Seq#	DF	Result 1	Result 2	%Diff		Limit
Aluminum	15330	S13667B	20	S13667B	13	5	6.1000	29.4855	3.4		10
Antimony	15330	S13667A3	21	S13667A3	14	5	0.0047	0.0405	---		10
Arsenic	15330	S13667A3	21	S13667A3	14	5	0.0173	0.1021	15	c	10
Barium	15330	S13667A3	21	S13667A3	14	5	0.1500	0.7736	3.1		10
Beryllium	15330	S13667A3	21	S13667A3	14	5	0.0004	0.0024	9		10
Cadmium	15330	S13667A3	21	S13667A3	14	5	-0.0001	0.0067	---		10
Calcium	15330	S13667B	20	S13667B	13	5	4.3454	22.4292	3.1		10
Chromium	15330	S13667A3	21	S13667A3	14	5	0.0722	0.3711	2.8		10
Cobalt	15330	S13667A3	21	S13667A3	14	5	0.0121	0.0648	6.9		10
Copper	15330	S13667A3	21	S13667A3	14	5	0.4924	2.5270	2.6		10
Iron	15330	S13667B	20	S13667B	13	5	94.6019	455.1160	3.9		10
Lead	15330	S13667A3	21	S13667A3	14	5	0.2493	1.2865	3.1		10
Magnesium	15330	S13667B	20	S13667B	13	5	2.6287	14.0098	6.2		10
Manganese	15330	S13667A3	21	S13667A3	14	5	0.4754	2.4325	2.3		10
Nickel	15330	S13667A3	21	S13667A3	14	5	0.0424	0.2245	5.7		10
Potassium	15330	S13667B	20	S13667B	13	5	1.4490	7.8249	7.4		10
Selenium	15330	S13667A3	21	S13667A3	14	5	0.0033	-0.0004	---		10
Silver	15330	S13667A3	21	S13667A3	14	5	0.0001	0.0022	---		10
Sodium	15330	S13667B3	20	S13667B3	13	5	0.0788	1.5775	---		10
Thallium	15330	S13667A3	21	S13667A3	14	5	-0.0042	-0.0113	---		10
Vanadium	15330	S13667A3	21	S13667A3	14	5	0.0508	0.2734	7.1		10
Zinc	15330	S13667A3	21	S13667A3	14	5	0.1134	0.6016	5.8		10

a-Indicates Rpd Failed the criteria

b-Method Rep Out but concentrations < 5*RL

c-Serial dilution Out but conc < 10 * IDL

Wet Chemistry Data

VERITECH Wet Chem Form1 Analysis Summary
% Solids

TestGroupName: % Solids SM2540G

Project #: 2030726

TestGroup: %SOLIDS

Lab#	Client SampleID	Matrix	Dilution:	Result	Units:	RL	Prep Date	Analysis Date	Received Date	Collect Date
AC64606-001	B-3	Soil	**1**	**93**	**Percent**			03/09/12	03/07/12	03/06/12
AC64606-002	B-2	Soil	**1**	**92**	**Percent**			03/09/12	03/07/12	03/07/12

% Solids Report

Analysis Type: SOLIDS-SS
BatchID: SOLIDS-SS-568

QcType	SampleID:	Rounded Result	Raw Result	Units	Tare Weight	Wet Weight	Dry Weight	Analysis Date	Analyzed By	QC RPD	Rpd Limit
DUP	AC64617-001	96	96.39810	Percent	1.06	11.61	11.22	03/09/12	JANEE	0.77	5
Sample	AC64605-011	91	90.80348	Percent	1.05	11.38	10.44	03/09/12	JANEE		
Sample	AC64605-012	77	76.99784	Percent	1.06	10.32	8.19	03/09/12	JANEE		
Sample	AC64605-013	91	90.53926	Percent	1.06	11.63	10.64	03/09/12	JANEE		
Sample	AC64605-014	89	89.18651	Percent	1.06	11.14	10.06	03/09/12	JANEE		
Sample	AC64605-015	90	90.31008	Percent	1.03	11.35	10.35	03/09/12	JANEE		
Sample	AC64605-016	86	86.06307	Percent	1.05	10.88	9.51	03/09/12	JANEE		
Sample	AC64606-001	93	93.03030	Percent	1.04	10.94	10.25	03/09/12	JANEE		
Sample	AC64606-002	92	91.95933	Percent	1.04	11.86	10.98	03/09/12	JANEE		
Sample	AC64607-001	76	75.70093	Percent	1.06	11.76	9.18	03/09/12	JANEE		
Sample	AC64607-002	78	77.78884	Percent	1.05	11.09	8.87	03/09/12	JANEE		
Sample	AC64607-003	75	75.09398	Percent	1.05	11.69	9.04	03/09/12	JANEE		
Sample	AC64607-004	75	75.12588	Percent	1.05	10.98	8.51	03/09/12	JANEE		
Sample	AC64611-001	93	92.88889	Percent	1.04	12.29	11.49	03/09/12	JANEE		
Sample	AC64617-001	96	95.65637	Percent	1.06	11.42	10.97	03/09/12	JANEE		
Sample	AC64617-002	85	84.75551	Percent	1.06	11.49	9.92	03/09/12	JANEE		
Sample	AC64621-001	78	78.08808	Percent	1.06	10.37	8.34	03/09/12	JANEE		
Sample	AC64621-002	88	87.91209	Percent	1.05	11.97	10.65	03/09/12	JANEE		
Sample	AC64621-003	85	84.55056	Percent	1.05	11.73	10.09	03/09/12	JANEE		
Sample	AC64621-004	85	84.63886	Percent	1.05	10.88	9.37	03/09/12	JANEE		
Sample	AC64621-005	80	79.65779	Percent	1.06	11.58	9.45	03/09/12	JANEE		

* - Indicates Failed Rpd Criteria

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Last Page of Report

HC·V
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Project: EJ1111829.002

Client PO: Not Available

Report To: Whitestone Associates
35 Technology Drive
Warren, NJ 07059

Attn: Patrick Beesley

Received Date: 7/2/2012

Report Date: 8/6/2012

Deliverables: NYDOH-R

Lab ID: AC66869

Lab Project No: 2070213

This report is a true report of results obtained from our tests of this material. The report relates only to those samples received and analyzed by the laboratory. All results meet the requirements of the NELAC Institute standards. Laboratory reports may not be reproduced, except in full, without the written approval of the laboratory.

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Robin Cousineau - Quality Assurance Director OR **Stanley Gilewicz - Laboratory Director**

NJ	(07071)	NY	(ELAP11408)	CT	(PH-0671)	USACE	
PA	(68-00463)	KY	(90124)				

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Form 2 Surrogate Recovery

Form 3 Spike Recovery

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Metal Data **252**

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Wet Chemistry Data **308**

Form 1 Sample Results

Inorganic Spreadsheet / QC Summary

Inorganic Raw Data

Sample Summary

Client: Whitestone Associates

Project: EJ1111829.002

HCV Project #: 2070213

Lab#	SampleID	Matrix	Collection Date	Receipt Date
AC66869-001	RI-B1-A	Soil	6/28/2012	7/2/2012
AC66869-002	RI-B1-B	Soil	6/28/2012	7/2/2012
AC66869-003	RI-B2-A	Soil	6/28/2012	7/2/2012
AC66869-004	RI-B2-B	Soil	6/28/2012	7/2/2012
AC66869-005	RI-B3-A	Soil	6/28/2012	7/2/2012
AC66869-006	RI-B3-B	Soil	6/28/2012	7/2/2012
AC66869-007	RI-B2-C	Soil	6/28/2012	7/2/2012
AC66869-008	RI-B3-A (DUP)	Soil	6/28/2012	7/2/2012

HCV Case Narrative

Client: Whitestone Associates
Project: EJ1111829.002

HCV Project: 2070213

This case narrative is in the form of an exception report. Method specific and/or QA/QC anomalies related to this report only are detailed below.

Volatile Organic Analysis:

Acetone was recovered in samples AC66869-004 and 007 suggesting laboratory contamination.

The Matrix Spike and Matrix Spike Duplicate for batch 18816 had recoveries outside QC limits. However, since the associated Method Blank and Laboratory Control Sample were within control, no corrective action was necessary.

Base Neutral/Acid Extractable Analysis:

Samples AC66869-004 and 007 have a surrogate recovery outside QC limits, but the recovery is greater than 10%, therefore, no corrective action was necessary.

PCB Analysis:

Data conforms to method requirements.

Pesticide Analysis:

The Matrix Spike Duplicate for batch 14776 had recoveries outside QC limits. However, since the associated Method Blank and Laboratory Control Sample were within control, no corrective action was necessary.

Metals Analysis:

The Matrix Spike and Matrix Spike Duplicate for batch 16530 had recoveries outside QC limits. However, since the associated Method Blank and Laboratory Control Sample were within control, no corrective action was necessary. Also, the RPD between the Matrix Spike and the Matrix Spike Duplicate had recoveries outside QC limits. The RPD criteria were met between the LCS/LCS Method Replicate. In addition, the serial dilution is outside QC limits for one or more analytes, suggesting matrix interference.

The Matrix Spike and Matrix Spike Duplicate for batch 16536 had recoveries outside QC limits. However, since the associated Method Blank and Laboratory Control Sample were within control, no corrective action was necessary. Also, the RPD between the QC Sample and the Method Replicate and between the Matrix Spike and the Matrix Spike Duplicate had recoveries outside QC limits. The RPD criteria were met between the LCS/LCS Method Replicate.

Robin Cousineau Quality Assurance Director	Or	Stanley Gilewicz Laboratory Director	8/7/12 Date

HCV Executive Summary

Client: Whitestone Associates **HCV Project #:** 2070213

Project: EJ1111829.002

Lab#: AC66869-001 **Sample ID: RI-B1-A**

Analyte	Units	RL	Result	Analytical Method
Aluminum	mg/kg	220	15000	EPA 6010B
Barium	mg/kg	11	130	EPA 6010B
Calcium	mg/kg	1100	4000	EPA 6010B
Chromium	mg/kg	5.6	35	EPA 6010B
Cobalt	mg/kg	2.8	11	EPA 6010B
Copper	mg/kg	5.6	29	EPA 6010B
Iron	mg/kg	220	21000	EPA 6010B
Lead	mg/kg	5.6	36	EPA 6010B
Magnesium	mg/kg	560	5600	EPA 6010B
Manganese	mg/kg	11	400	EPA 6010B
Nickel	mg/kg	5.6	24	EPA 6010B
Potassium	mg/kg	560	5000	EPA 6010B
Vanadium	mg/kg	11	38	EPA 6010B
Zinc	mg/kg	11	91	EPA 6010B
Aroclor (Total)	mg/kg	0.028	0.061	EPA 8082
Aroclor-1260	mg/kg	0.028	0.061	EPA 8082
Tetrachloroethene	mg/kg	0.0022	0.0056	EPA 8260B

Lab#: AC66869-002 **Sample ID: RI-B1-B**

Analyte	Units	RL	Result	Analytical Method
Aluminum	mg/kg	230	19000	EPA 6010B
Barium	mg/kg	11	110	EPA 6010B
~~Beryllium~~	~~mg/kg~~	~~0.68~~	~~1.0~~	~~EPA 6010B~~
Calcium	mg/kg	1100	2300	EPA 6010B
Chromium	mg/kg	5.7	57	EPA 6010B
Cobalt	mg/kg	2.8	14	EPA 6010B
Copper	mg/kg	5.7	14	EPA 6010B
Iron	mg/kg	230	30000	EPA 6010B
Lead	mg/kg	5.7	17	EPA 6010B
Magnesium	mg/kg	570	9600	EPA 6010B
Manganese	mg/kg	11	440	EPA 6010B
Nickel	mg/kg	5.7	33	EPA 6010B
Potassium	mg/kg	570	5400	EPA 6010B
Vanadium	mg/kg	11	45	EPA 6010B
Zinc	mg/kg	11	85	EPA 6010B

HCV Executive Summary

Client: Whitestone Associates **HCV Project #:** 2070213

Project: EJ1111829.002

Lab#: AC66869-003 **Sample ID: RI-B2-A**

Analyte	Units	RL	Result	Analytical Method
Aluminum	mg/kg	220	19000	EPA 6010B
Barium	mg/kg	11	110	EPA 6010B
Calcium	mg/kg	1100	2200	EPA 6010B
Chromium	mg/kg	5.5	45	EPA 6010B
Cobalt	mg/kg	2.7	13	EPA 6010B
Copper	mg/kg	5.5	31	EPA 6010B
Iron	mg/kg	220	24000	EPA 6010B
Lead	mg/kg	5.5	20	EPA 6010B
Magnesium	mg/kg	550	6300	EPA 6010B
Manganese	mg/kg	11	500	EPA 6010B
Nickel	mg/kg	5.5	29	EPA 6010B
Potassium	mg/kg	550	5100	EPA 6010B
Vanadium	mg/kg	11	42	EPA 6010B
Zinc	mg/kg	11	58	EPA 6010B
Chlordane	mg/kg	0.027	0.38	EPA 8081A
Tetrachloroethene	mg/kg	0.0022	0.0070	EPA 8260B

Lab#: AC66869-004 **Sample ID: RI-B2-B**

Analyte	Units	RL	Result	Analytical Method
Aluminum	mg/kg	210	16000	EPA 6010B
Barium	mg/kg	11	130	EPA 6010B
Calcium	mg/kg	1100	3400	EPA 6010B
Chromium	mg/kg	5.3	47	EPA 6010B
Cobalt	mg/kg	2.7	11	EPA 6010B
Copper	mg/kg	5.3	31	EPA 6010B
Iron	mg/kg	210	23000	EPA 6010B
Lead	mg/kg	5.3	6.9	EPA 6010B
Magnesium	mg/kg	530	6700	EPA 6010B
Manganese	mg/kg	11	260	EPA 6010B
Nickel	mg/kg	5.3	24	EPA 6010B
Potassium	mg/kg	530	7000	EPA 6010B
Vanadium	mg/kg	11	51	EPA 6010B
Zinc	mg/kg	11	52	EPA 6010B
Chlordane	mg/kg	0.027	0.041	EPA 8081A
1,2,4-Trimethylbenzene	mg/kg	0.0053	0.049	EPA 8260B
1,3,5-Trimethylbenzene	mg/kg	0.0053	0.021	EPA 8260B
4-Isopropyltoluene	mg/kg	0.0053	0.026	EPA 8260B
Acetone	mg/kg	0.053	0.14	EPA 8260B
Isopropylbenzene	mg/kg	0.0053	0.0079	EPA 8260B
n-Butylbenzene	mg/kg	0.0053	0.18	EPA 8260B
n-Propylbenzene	mg/kg	0.0053	0.028	EPA 8260B
sec-Butylbenzene	mg/kg	0.0053	0.076	EPA 8260B
t-Butylbenzene	mg/kg	0.0053	0.0067	EPA 8260B
2,4-Dimethylphenol	mg/kg	0.035	0.043	EPA 8270C
2-Methylnaphthalene	mg/kg	0.035	0.29	EPA 8270C
Naphthalene	mg/kg	0.0089	0.15	EPA 8270C

HCV Executive Summary

Client: Whitestone Associates

HCV Project #: 2070213

Project: EJ1111829.002

Lab#: AC66869-005 **Sample ID: RI-B3-A**

Analyte	Units	RL	Result	Analytical Method
Aluminum	mg/kg	220	17000	EPA 6010B
Barium	mg/kg	11	170	EPA 6010B
Calcium	mg/kg	1100	1800	EPA 6010B
Chromium	mg/kg	5.4	39	EPA 6010B
Cobalt	mg/kg	2.7	11	EPA 6010B
Copper	mg/kg	5.4	28	EPA 6010B
Iron	mg/kg	220	26000	EPA 6010B
Lead	mg/kg	5.4	18	EPA 6010B
Magnesium	mg/kg	540	7700	EPA 6010B
Manganese	mg/kg	11	380	EPA 6010B
Nickel	mg/kg	5.4	25	EPA 6010B
Potassium	mg/kg	540	7000	EPA 6010B
Vanadium	mg/kg	11	52	EPA 6010B
Zinc	mg/kg	11	63	EPA 6010B
Tetrachloroethene	mg/kg	0.0021	0.0056	EPA 8260B
Benzo[a]anthracene	mg/kg	0.036	0.090	EPA 8270C
Benzo[a]pyrene	mg/kg	0.036	0.096	EPA 8270C
Benzo[b]fluoranthene	mg/kg	0.036	0.16	EPA 8270C
Benzo[g,h,i]perylene	mg/kg	0.036	0.069	EPA 8270C
Chrysene	mg/kg	0.036	0.092	EPA 8270C
Fluoranthene	mg/kg	0.036	0.14	EPA 8270C
Indeno[1,2,3-cd]pyrene	mg/kg	0.036	0.075	EPA 8270C
Phenanthrene	mg/kg	0.036	0.048	EPA 8270C
Pyrene	mg/kg	0.036	0.16	EPA 8270C

HCV Executive Summary

Client: Whitestone Associates

HCV Project #: 2070213

Project: EJ1111829.002

Lab#: AC66869-006 **Sample ID: RI-B3-B**

Analyte	Units	RL	Result	Analytical Method
Aluminum	mg/kg	220	17000	EPA 6010B
Arsenic	mg/kg	2.2	3.9	EPA 6010B
Barium	mg/kg	11	150	EPA 6010B
Calcium	mg/kg	1100	5300	EPA 6010B
Chromium	mg/kg	5.6	41	EPA 6010B
Cobalt	mg/kg	2.8	12	EPA 6010B
Copper	mg/kg	5.6	48	EPA 6010B
Iron	mg/kg	220	30000	EPA 6010B
Lead	mg/kg	5.6	180	EPA 6010B
Magnesium	mg/kg	560	6700	EPA 6010B
Manganese	mg/kg	11	950	EPA 6010B
Nickel	mg/kg	5.6	31	EPA 6010B
Potassium	mg/kg	560	5000	EPA 6010B
Vanadium	mg/kg	11	43	EPA 6010B
Zinc	mg/kg	11	140	EPA 6010B
Mercury	mg/kg	0.093	0.15	EPA 7471A
p,p'-DDD	mg/kg	0.0028	0.0041	EPA 8081A
Aroclor (Total)	mg/kg	0.028	0.086	EPA 8082
Aroclor-1254	mg/kg	0.028	0.086	EPA 8082
Tetrachloroethene	mg/kg	0.0022	0.0079	EPA 8260B
Anthracene	mg/kg	0.074	0.087	EPA 8270C
Benzo[a]anthracene	mg/kg	0.074	0.47	EPA 8270C
Benzo[a]pyrene	mg/kg	0.074	0.44	EPA 8270C
Benzo[b]fluoranthene	mg/kg	0.074	0.59	EPA 8270C
Benzo[g,h,i]perylene	mg/kg	0.074	0.33	EPA 8270C
Benzo[k]fluoranthene	mg/kg	0.074	0.20	EPA 8270C
bis(2-Ethylhexyl)phthalate	mg/kg	0.074	0.088	EPA 8270C
Chrysene	mg/kg	0.074	0.48	EPA 8270C
Fluoranthene	mg/kg	0.074	0.76	EPA 8270C
Indeno[1,2,3-cd]pyrene	mg/kg	0.074	0.28	EPA 8270C
Phenanthrene	mg/kg	0.074	0.26	EPA 8270C
Pyrene	mg/kg	0.074	0.78	EPA 8270C

HCV Executive Summary

Client: Whitestone Associates

HCV Project #: 2070213

Project: EJ1111829.002

Lab#: AC66869-007 **Sample ID: RI-B2-C**

Analyte	Units	RL	Result	Analytical Method
Aluminum	mg/kg	210	9500	EPA 6010B
Barium	mg/kg	11	99	EPA 6010B
Calcium	mg/kg	1100	1300	EPA 6010B
Chromium	mg/kg	5.3	32	EPA 6010B
Cobalt	mg/kg	2.7	8.7	EPA 6010B
Copper	mg/kg	5.3	27	EPA 6010B
Iron	mg/kg	210	15000	EPA 6010B
Magnesium	mg/kg	530	4100	EPA 6010B
Manganese	mg/kg	11	460	EPA 6010B
Nickel	mg/kg	5.3	21	EPA 6010B
Potassium	mg/kg	530	4100	EPA 6010B
Vanadium	mg/kg	11	34	EPA 6010B
Zinc	mg/kg	11	30	EPA 6010B
Acetone	mg/kg	0.052	0.13	EPA 8260B
n-Butylbenzene	mg/kg	0.0052	0.037	EPA 8260B
n-Propylbenzene	mg/kg	0.0052	0.0058	EPA 8260B
sec-Butylbenzene	mg/kg	0.0052	0.016	EPA 8260B
2,4-Dimethylphenol	mg/kg	0.035	0.047	EPA 8270C
2-Methylnaphthalene	mg/kg	0.035	0.26	EPA 8270C
Naphthalene	mg/kg	0.0089	0.13	EPA 8270C

HCV Executive Summary

Client: Whitestone Associates

HCV Project #: 2070213

Project: EJ1111829.002

Lab#: AC66869-008 **Sample ID: RI-B3-A (DUP)**

Analyte	Units	RL	Result	Analytical Method
Aluminum	mg/kg	220	17000	EPA 6010B
Arsenic	mg/kg	2.2	2.3	EPA 6010B
Barium	mg/kg	11	120	EPA 6010B
Calcium	mg/kg	1100	2600	EPA 6010B
Chromium	mg/kg	5.5	30	EPA 6010B
Cobalt	mg/kg	2.7	13	EPA 6010B
Copper	mg/kg	5.5	33	EPA 6010B
Iron	mg/kg	220	21000	EPA 6010B
Lead	mg/kg	5.5	22	EPA 6010B
Magnesium	mg/kg	550	6800	EPA 6010B
Manganese	mg/kg	11	380	EPA 6010B
Nickel	mg/kg	5.5	31	EPA 6010B
Potassium	mg/kg	550	5400	EPA 6010B
Vanadium	mg/kg	11	44	EPA 6010B
Zinc	mg/kg	11	64	EPA 6010B
Mercury	mg/kg	0.092	0.11	EPA 7471A
p,p'-DDD	mg/kg	0.0027	0.0050	EPA 8081A
Tetrachloroethene	mg/kg	0.0021	0.0052	EPA 8260B
Anthracene	mg/kg	0.037	0.099	EPA 8270C
Benzo[a]anthracene	mg/kg	0.037	0.34	EPA 8270C
Benzo[a]pyrene	mg/kg	0.037	0.30	EPA 8270C
Benzo[b]fluoranthene	mg/kg	0.037	0.38	EPA 8270C
Benzo[g,h,i]perylene	mg/kg	0.037	0.19	EPA 8270C
Benzo[k]fluoranthene	mg/kg	0.037	0.14	EPA 8270C
Chrysene	mg/kg	0.037	0.35	EPA 8270C
Dibenzo[a,h]anthracene	mg/kg	0.037	0.069	EPA 8270C
Fluoranthene	mg/kg	0.037	0.60	EPA 8270C
Indeno[1,2,3-cd]pyrene	mg/kg	0.037	0.19	EPA 8270C
Phenanthrene	mg/kg	0.037	0.14	EPA 8270C
Pyrene	mg/kg	0.037	0.70	EPA 8270C

HCV Report Of Analysis

Client: Whitestone Associates
Project: EJ1111829.002

HCV Project #: 2070213

Sample ID: RI-B1-A
Lab#: AC66869-001
Matrix: Soil

Collection Date: 6/28/2012
Receipt Date: 7/2/2012

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**90**

Mercury (Soil/Waste) 7471A

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.093	ND

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
Aldrin	1	mg/kg	0.0056	ND
Alpha-BHC	1	mg/kg	0.0011	ND
beta-BHC	1	mg/kg	0.0011	ND
Chlordane	1	mg/kg	0.028	ND
delta-BHC	1	mg/kg	0.0056	ND
Dieldrin	1	mg/kg	0.0011	ND
Endosulfan I	1	mg/kg	0.0056	ND
Endosulfan II	1	mg/kg	0.0056	ND
Endosulfan Sulfate	1	mg/kg	0.0056	ND
Endrin	1	mg/kg	0.0056	ND
Endrin Aldehyde	1	mg/kg	0.0056	ND
Endrin Ketone	1	mg/kg	0.0056	ND
gamma-BHC	1	mg/kg	0.0011	ND
Heptachlor	1	mg/kg	0.0056	ND
Heptachlor Epoxide	1	mg/kg	0.0056	ND
Methoxychlor	1	mg/kg	0.0056	ND
p,p'-DDD	1	mg/kg	0.0028	ND
p,p'-DDE	1	mg/kg	0.0028	ND
p,p'-DDT	1	mg/kg	0.0028	ND
Toxaphene	1	mg/kg	0.028	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.028**	**0.061**
Aroclor-1016	1	mg/kg	0.028	ND
Aroclor-1221	1	mg/kg	0.028	ND
Aroclor-1232	1	mg/kg	0.028	ND
Aroclor-1242	1	mg/kg	0.028	ND
Aroclor-1248	1	mg/kg	0.028	ND
Aroclor-1254	1	mg/kg	0.028	ND
Aroclor-1260	**1**	**mg/kg**	**0.028**	**0.061**
Aroclor-1262	1	mg/kg	0.028	ND
Aroclor-1268	1	mg/kg	0.028	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,2-Diphenylhydrazine	1	mg/kg	0.037	ND
2,4,5-Trichlorophenol	1	mg/kg	0.037	ND
2,4,6-Trichlorophenol	1	mg/kg	0.037	ND
2,4-Dichlorophenol	1	mg/kg	0.0093	ND
2,4-Dimethylphenol	1	mg/kg	0.037	ND

Sample ID: RI-B1-A
Lab#: AC66869-001
Matrix: Soil

Collection Date: 6/28/2012
Receipt Date: 7/2/2012

2,4-Dinitrophenol	1	mg/kg	0.19	ND
2,4-Dinitrotoluene	1	mg/kg	0.037	ND
2,6-Dinitrotoluene	1	mg/kg	0.037	ND
2-Chloronaphthalene	1	mg/kg	0.037	ND
2-Chlorophenol	1	mg/kg	0.037	ND
2-Methylnaphthalene	1	mg/kg	0.037	ND
2-Methylphenol	1	mg/kg	0.0093	ND
2-Nitroaniline	1	mg/kg	0.037	ND
2-Nitrophenol	1	mg/kg	0.037	ND
3&4-Methylphenol	1	mg/kg	0.0093	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.037	ND
3-Nitroaniline	1	mg/kg	0.037	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.037	ND
4-Bromophenyl-phenylether	1	mg/kg	0.037	ND
4-Chloro-3-methylphenol	1	mg/kg	0.037	ND
4-Chloroaniline	1	mg/kg	0.018	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.037	ND
4-Nitroaniline	1	mg/kg	0.037	ND
4-Nitrophenol	1	mg/kg	0.037	ND
Acenaphthene	1	mg/kg	0.037	ND
Acenaphthylene	1	mg/kg	0.037	ND
Aniline	1	mg/kg	0.015	ND
Anthracene	1	mg/kg	0.037	ND
Benzidine	1	mg/kg	0.037	ND
Benzo[a]anthracene	1	mg/kg	0.037	ND
Benzo[a]pyrene	1	mg/kg	0.037	ND
Benzo[b]fluoranthene	1	mg/kg	0.037	ND
Benzo[g,h,i]perylene	1	mg/kg	0.037	ND
Benzo[k]fluoranthene	1	mg/kg	0.037	ND
Benzoic acid	1	mg/kg	0.19	ND
bis(2-Chloroethoxy)methane	1	mg/kg	0.037	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.0093	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.037	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.037	ND
Butylbenzylphthalate	1	mg/kg	0.037	ND
Carbazole	1	mg/kg	0.037	ND
Chrysene	1	mg/kg	0.037	ND
Dibenzo[a,h]anthracene	1	mg/kg	0.037	ND
Dibenzofuran	1	mg/kg	0.0093	ND
Diethylphthalate	1	mg/kg	0.037	ND
Dimethylphthalate	1	mg/kg	0.037	ND
Di-n-butylphthalate	1	mg/kg	0.019	ND
Di-n-octylphthalate	1	mg/kg	0.037	ND
Fluoranthene	1	mg/kg	0.037	ND
Fluorene	1	mg/kg	0.037	ND
Hexachlorobenzene	1	mg/kg	0.037	ND
Hexachlorobutadiene	1	mg/kg	0.037	ND
Hexachlorocyclopentadiene	1	mg/kg	0.037	ND
Hexachloroethane	1	mg/kg	0.037	ND
Indeno[1,2,3-cd]pyrene	1	mg/kg	0.037	ND
Isophorone	1	mg/kg	0.037	ND
Naphthalene	1	mg/kg	0.0093	ND
Nitrobenzene	1	mg/kg	0.037	ND
N-Nitrosodimethylamine	1	mg/kg	0.037	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.0093	ND
N-Nitrosodiphenylamine	1	mg/kg	0.037	ND
Pentachlorophenol	1	mg/kg	0.19	ND

Sample ID: RI-B1-A **Collection Date: 6/28/2012**
Lab#: AC66869-001 **Receipt Date: 7/2/2012**
Matrix: Soil

Phenanthrene	1	mg/kg	0.037	ND
Phenol	1	mg/kg	0.037	ND
Pyrene	1	mg/kg	0.037	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**220**	**15000**
Antimony	1	mg/kg	2.2	ND
Arsenic	1	mg/kg	2.2	ND
Barium	**1**	**mg/kg**	**11**	**130**
Beryllium	1	mg/kg	0.67	ND
Cadmium	1	mg/kg	0.67	ND
Calcium	**1**	**mg/kg**	**1100**	**4000**
Chromium	**1**	**mg/kg**	**5.6**	**35**
Cobalt	**1**	**mg/kg**	**2.8**	**11**
Copper	**1**	**mg/kg**	**5.6**	**29**
Iron	**1**	**mg/kg**	**220**	**21000**
Lead	**1**	**mg/kg**	**5.6**	**36**
Magnesium	**1**	**mg/kg**	**560**	**5600**
Manganese	**1**	**mg/kg**	**11**	**400**
Nickel	**1**	**mg/kg**	**5.6**	**24**
Potassium	**1**	**mg/kg**	**560**	**5000**
Selenium	1	mg/kg	2.0	ND
Silver	1	mg/kg	1.7	ND
Sodium	1	mg/kg	280	ND
Thallium	1	mg/kg	1.3	ND
Vanadium	**1**	**mg/kg**	**11**	**38**
Zinc	**1**	**mg/kg**	**11**	**91**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.969	mg/kg	0.0022	ND
1,1,2,2-Tetrachloroethane	0.969	mg/kg	0.0022	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.969	mg/kg	0.0022	ND
1,1,2-Trichloroethane	0.969	mg/kg	0.0022	ND
1,1-Dichloroethane	0.969	mg/kg	0.0022	ND
1,1-Dichloroethene	0.969	mg/kg	0.0022	ND
1,2,3-Trichloropropane	0.969	mg/kg	0.0022	ND
1,2,4-Trimethylbenzene	0.969	mg/kg	0.0011	ND
1,2-Dichlorobenzene	0.969	mg/kg	0.0022	ND
1,2-Dichloroethane	0.969	mg/kg	0.0022	ND
1,2-Dichloropropane	0.969	mg/kg	0.0022	ND
1,3,5-Trimethylbenzene	0.969	mg/kg	0.0011	ND
1,3-Dichlorobenzene	0.969	mg/kg	0.0022	ND
1,3-Dichloropropane	0.969	mg/kg	0.0022	ND
1,4-Dichlorobenzene	0.969	mg/kg	0.0022	ND
1,4-Dioxane	0.969	mg/kg	0.11	ND
2-Butanone	0.969	mg/kg	0.0022	ND
2-Chloroethylvinylether	0.969	mg/kg	0.0022	ND
2-Hexanone	0.969	mg/kg	0.0022	ND
4-Isopropyltoluene	0.969	mg/kg	0.0011	ND
4-Methyl-2-pentanone	0.969	mg/kg	0.0022	ND
Acetone	0.969	mg/kg	0.011	ND
Acrolein	0.969	mg/kg	0.011	ND
Acrylonitrile	0.969	mg/kg	0.0054	ND
Benzene	0.969	mg/kg	0.0011	ND
Bromodichloromethane	0.969	mg/kg	0.0022	ND

Sample ID: RI-B1-A
Lab#: AC66869-001
Matrix: Soil

Collection Date: 6/28/2012
Receipt Date: 7/2/2012

Bromoform	0.969	mg/kg	0.0022	ND
Bromomethane	0.969	mg/kg	0.0022	ND
Carbon disulfide	0.969	mg/kg	0.0022	ND
Carbon tetrachloride	0.969	mg/kg	0.0022	ND
Chlorobenzene	0.969	mg/kg	0.0022	ND
Chloroethane	0.969	mg/kg	0.0022	ND
Chloroform	0.969	mg/kg	0.0022	ND
Chloromethane	0.969	mg/kg	0.0022	ND
cis-1,2-Dichloroethene	0.969	mg/kg	0.0022	ND
cis-1,3-Dichloropropene	0.969	mg/kg	0.0022	ND
Dibromochloromethane	0.969	mg/kg	0.0022	ND
Dichlorodifluoromethane	0.969	mg/kg	0.0022	ND
Ethylbenzene	0.969	mg/kg	0.0011	ND
Isopropylbenzene	0.969	mg/kg	0.0011	ND
m&p-Xylenes	0.969	mg/kg	0.0011	ND
Methylene chloride	0.969	mg/kg	0.0022	ND
Methyl-t-butyl ether	0.969	mg/kg	0.0011	ND
n-Butylbenzene	0.969	mg/kg	0.0011	ND
n-Propylbenzene	0.969	mg/kg	0.0011	ND
o-Xylene	0.969	mg/kg	0.0011	ND
sec-Butylbenzene	0.969	mg/kg	0.0011	ND
Styrene	0.969	mg/kg	0.0022	ND
t-Butyl Alcohol	0.969	mg/kg	0.011	ND
t-Butylbenzene	0.969	mg/kg	0.0011	ND
Tetrachloroethene	**0.969**	**mg/kg**	**0.0022**	**0.0056**
Toluene	0.969	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.969	mg/kg	0.0022	ND
trans-1,3-Dichloropropene	0.969	mg/kg	0.0022	ND
Trichloroethene	0.969	mg/kg	0.0022	ND
Trichlorofluoromethane	0.969	mg/kg	0.0022	ND
Vinyl chloride	0.969	mg/kg	0.0022	ND
Xylenes (Total)	0.969	mg/kg	0.0011	ND

Sample ID: RI-B1-B
Lab#: AC66869-002
Matrix: Soil

Collection Date: 6/28/2012
Receipt Date: 7/2/2012

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		88

Mercury (Soil/Waste) 7471A

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.095	ND

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
Aldrin	1	mg/kg	0.0057	ND
Alpha-BHC	1	mg/kg	0.0011	ND
beta-BHC	1	mg/kg	0.0011	ND
Chlordane	1	mg/kg	0.028	ND
delta-BHC	1	mg/kg	0.0057	ND
Dieldrin	1	mg/kg	0.0011	ND
Endosulfan I	1	mg/kg	0.0057	ND
Endosulfan II	1	mg/kg	0.0057	ND
Endosulfan Sulfate	1	mg/kg	0.0057	ND
Endrin	1	mg/kg	0.0057	ND
Endrin Aldehyde	1	mg/kg	0.0057	ND
Endrin Ketone	1	mg/kg	0.0057	ND
gamma-BHC	1	mg/kg	0.0011	ND
Heptachlor	1	mg/kg	0.0057	ND
Heptachlor Epoxide	1	mg/kg	0.0057	ND
Methoxychlor	1	mg/kg	0.0057	ND
p,p'-DDD	1	mg/kg	0.0028	ND
p,p'-DDE	1	mg/kg	0.0028	ND
p,p'-DDT	1	mg/kg	0.0028	ND
Toxaphene	1	mg/kg	0.028	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.028	ND
Aroclor-1016	1	mg/kg	0.028	ND
Aroclor-1221	1	mg/kg	0.028	ND
Aroclor-1232	1	mg/kg	0.028	ND
Aroclor-1242	1	mg/kg	0.028	ND
Aroclor-1248	1	mg/kg	0.028	ND
Aroclor-1254	1	mg/kg	0.028	ND
Aroclor-1260	1	mg/kg	0.028	ND
Aroclor-1262	1	mg/kg	0.028	ND
Aroclor-1268	1	mg/kg	0.028	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,2-Diphenylhydrazine	1	mg/kg	0.038	ND
2,4,5-Trichlorophenol	1	mg/kg	0.038	ND
2,4,6-Trichlorophenol	1	mg/kg	0.038	ND
2,4-Dichlorophenol	1	mg/kg	0.0095	ND
2,4-Dimethylphenol	1	mg/kg	0.038	ND
2,4-Dinitrophenol	1	mg/kg	0.19	ND
2,4-Dinitrotoluene	1	mg/kg	0.038	ND
2,6-Dinitrotoluene	1	mg/kg	0.038	ND
2-Chloronaphthalene	1	mg/kg	0.038	ND
2-Chlorophenol	1	mg/kg	0.038	ND
2-Methylnaphthalene	1	mg/kg	0.038	ND

Sample ID: RI-B1-B **Collection Date: 6/28/2012**
Lab#: AC66869-002 **Receipt Date: 7/2/2012**
Matrix: Soil

2-Methylphenol	1	mg/kg	0.0095	ND
2-Nitroaniline	1	mg/kg	0.038	ND
2-Nitrophenol	1	mg/kg	0.038	ND
3&4-Methylphenol	1	mg/kg	0.0095	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.038	ND
3-Nitroaniline	1	mg/kg	0.038	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.038	ND
4-Bromophenyl-phenylether	1	mg/kg	0.038	ND
4-Chloro-3-methylphenol	1	mg/kg	0.038	ND
4-Chloroaniline	1	mg/kg	0.018	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.038	ND
4-Nitroaniline	1	mg/kg	0.038	ND
4-Nitrophenol	1	mg/kg	0.038	ND
Acenaphthene	1	mg/kg	0.038	ND
Acenaphthylene	1	mg/kg	0.038	ND
Aniline	1	mg/kg	0.015	ND
Anthracene	1	mg/kg	0.038	ND
Benzidine	1	mg/kg	0.038	ND
Benzo[a]anthracene	1	mg/kg	0.038	ND
Benzo[a]pyrene	1	mg/kg	0.038	ND
Benzo[b]fluoranthene	1	mg/kg	0.038	ND
Benzo[g,h,i]perylene	1	mg/kg	0.038	ND
Benzo[k]fluoranthene	1	mg/kg	0.038	ND
Benzoic acid	1	mg/kg	0.19	ND
bis(2-Chloroethoxy)methane	1	mg/kg	0.038	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.0095	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.038	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.038	ND
Butylbenzylphthalate	1	mg/kg	0.038	ND
Carbazole	1	mg/kg	0.038	ND
Chrysene	1	mg/kg	0.038	ND
Dibenzo[a,h]anthracene	1	mg/kg	0.038	ND
Dibenzofuran	1	mg/kg	0.0095	ND
Diethylphthalate	1	mg/kg	0.038	ND
Dimethylphthalate	1	mg/kg	0.038	ND
Di-n-butylphthalate	1	mg/kg	0.019	ND
Di-n-octylphthalate	1	mg/kg	0.038	ND
Fluoranthene	1	mg/kg	0.038	ND
Fluorene	1	mg/kg	0.038	ND
Hexachlorobenzene	1	mg/kg	0.038	ND
Hexachlorobutadiene	1	mg/kg	0.038	ND
Hexachlorocyclopentadiene	1	mg/kg	0.038	ND
Hexachloroethane	1	mg/kg	0.038	ND
Indeno[1,2,3-cd]pyrene	1	mg/kg	0.038	ND
Isophorone	1	mg/kg	0.038	ND
Naphthalene	1	mg/kg	0.0095	ND
Nitrobenzene	1	mg/kg	0.038	ND
N-Nitrosodimethylamine	1	mg/kg	0.038	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.0095	ND
N-Nitrosodiphenylamine	1	mg/kg	0.038	ND
Pentachlorophenol	1	mg/kg	0.19	ND
Phenanthrene	1	mg/kg	0.038	ND
Phenol	1	mg/kg	0.038	ND
Pyrene	1	mg/kg	0.038	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result

Sample ID: RI-B1-B **Collection Date: 6/28/2012**
Lab#: AC66869-002 **Receipt Date: 7/2/2012**
Matrix: Soil

Aluminum	**1**	**mg/kg**	**230**	**19000**
Antimony	1	mg/kg	2.3	ND
Arsenic	1	mg/kg	2.3	ND
Barium	**1**	**mg/kg**	**11**	**110**
Beryllium	**1**	**mg/kg**	**0.68**	**1.0**
Cadmium	1	mg/kg	0.68	ND
Calcium	**1**	**mg/kg**	**1100**	**2300**
Chromium	**1**	**mg/kg**	**5.7**	**57**
Cobalt	**1**	**mg/kg**	**2.8**	**14**
Copper	**1**	**mg/kg**	**5.7**	**14**
Iron	**1**	**mg/kg**	**230**	**30000**
Lead	**1**	**mg/kg**	**5.7**	**17**
Magnesium	**1**	**mg/kg**	**570**	**9600**
Manganese	**1**	**mg/kg**	**11**	**440**
Nickel	**1**	**mg/kg**	**5.7**	**33**
Potassium	**1**	**mg/kg**	**570**	**5400**
Selenium	1	mg/kg	2.0	ND
Silver	1	mg/kg	1.7	ND
Sodium	1	mg/kg	280	ND
Thallium	1	mg/kg	1.4	ND
Vanadium	**1**	**mg/kg**	**11**	**45**
Zinc	**1**	**mg/kg**	**11**	**85**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.992	mg/kg	0.0023	ND
1,1,2,2-Tetrachloroethane	0.992	mg/kg	0.0023	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.992	mg/kg	0.0023	ND
1,1,2-Trichloroethane	0.992	mg/kg	0.0023	ND
1,1-Dichloroethane	0.992	mg/kg	0.0023	ND
1,1-Dichloroethene	0.992	mg/kg	0.0023	ND
1,2,3-Trichloropropane	0.992	mg/kg	0.0023	ND
1,2,4-Trimethylbenzene	0.992	mg/kg	0.0011	ND
1,2-Dichlorobenzene	0.992	mg/kg	0.0023	ND
1,2-Dichloroethane	0.992	mg/kg	0.0023	ND
1,2-Dichloropropane	0.992	mg/kg	0.0023	ND
1,3,5-Trimethylbenzene	0.992	mg/kg	0.0011	ND
1,3-Dichlorobenzene	0.992	mg/kg	0.0023	ND
1,3-Dichloropropane	0.992	mg/kg	0.0023	ND
1,4-Dichlorobenzene	0.992	mg/kg	0.0023	ND
1,4-Dioxane	0.992	mg/kg	0.11	ND
2-Butanone	0.992	mg/kg	0.0023	ND
2-Chloroethylvinylether	0.992	mg/kg	0.0023	ND
2-Hexanone	0.992	mg/kg	0.0023	ND
4-Isopropyltoluene	0.992	mg/kg	0.0011	ND
4-Methyl-2-pentanone	0.992	mg/kg	0.0023	ND
Acetone	0.992	mg/kg	0.011	ND
Acrolein	0.992	mg/kg	0.011	ND
Acrylonitrile	0.992	mg/kg	0.0056	ND
Benzene	0.992	mg/kg	0.0011	ND
Bromodichloromethane	0.992	mg/kg	0.0023	ND
Bromoform	0.992	mg/kg	0.0023	ND
Bromomethane	0.992	mg/kg	0.0023	ND
Carbon disulfide	0.992	mg/kg	0.0023	ND
Carbon tetrachloride	0.992	mg/kg	0.0023	ND
Chlorobenzene	0.992	mg/kg	0.0023	ND
Chloroethane	0.992	mg/kg	0.0023	ND

Sample ID: RI-B1-B
Lab#: AC66869-002
Matrix: Soil

Collection Date: 6/28/2012
Receipt Date: 7/2/2012

Chloroform	0.992	mg/kg	0.0023	ND
Chloromethane	0.992	mg/kg	0.0023	ND
cis-1,2-Dichloroethene	0.992	mg/kg	0.0023	ND
cis-1,3-Dichloropropene	0.992	mg/kg	0.0023	ND
Dibromochloromethane	0.992	mg/kg	0.0023	ND
Dichlorodifluoromethane	0.992	mg/kg	0.0023	ND
Ethylbenzene	0.992	mg/kg	0.0011	ND
Isopropylbenzene	0.992	mg/kg	0.0011	ND
m&p-Xylenes	0.992	mg/kg	0.0011	ND
Methylene chloride	0.992	mg/kg	0.0023	ND
Methyl-t-butyl ether	0.992	mg/kg	0.0011	ND
n-Butylbenzene	0.992	mg/kg	0.0011	ND
n-Propylbenzene	0.992	mg/kg	0.0011	ND
o-Xylene	0.992	mg/kg	0.0011	ND
sec-Butylbenzene	0.992	mg/kg	0.0011	ND
Styrene	0.992	mg/kg	0.0023	ND
t-Butyl Alcohol	0.992	mg/kg	0.011	ND
t-Butylbenzene	0.992	mg/kg	0.0011	ND
Tetrachloroethene	0.992	mg/kg	0.0023	ND
Toluene	0.992	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.992	mg/kg	0.0023	ND
trans-1,3-Dichloropropene	0.992	mg/kg	0.0023	ND
Trichloroethene	0.992	mg/kg	0.0023	ND
Trichlorofluoromethane	0.992	mg/kg	0.0023	ND
Vinyl chloride	0.992	mg/kg	0.0023	ND
Xylenes (Total)	0.992	mg/kg	0.0011	ND

Sample ID: RI-B2-A
Lab#: AC66869-003
Matrix: Soil

Collection Date: 6/28/2012
Receipt Date: 7/2/2012

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**91**

Mercury (Soil/Waste) 7471A

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.092	ND

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
Aldrin	1	mg/kg	0.0055	ND
Alpha-BHC	1	mg/kg	0.0011	ND
beta-BHC	1	mg/kg	0.0011	ND
Chlordane	**1**	**mg/kg**	**0.027**	**0.38**
delta-BHC	1	mg/kg	0.0055	ND
Dieldrin	1	mg/kg	0.0011	ND
Endosulfan I	1	mg/kg	0.0055	ND
Endosulfan II	1	mg/kg	0.0055	ND
Endosulfan Sulfate	1	mg/kg	0.0055	ND
Endrin	1	mg/kg	0.0055	ND
Endrin Aldehyde	1	mg/kg	0.0055	ND
Endrin Ketone	1	mg/kg	0.0055	ND
gamma-BHC	1	mg/kg	0.0011	ND
Heptachlor	1	mg/kg	0.0055	ND
Heptachlor Epoxide	1	mg/kg	0.0055	ND
Methoxychlor	1	mg/kg	0.0055	ND
p,p'-DDD	1	mg/kg	0.0027	ND
p,p'-DDE	1	mg/kg	0.0027	ND
p,p'-DDT	1	mg/kg	0.0027	ND
Toxaphene	1	mg/kg	0.027	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.027	ND
Aroclor-1016	1	mg/kg	0.027	ND
Aroclor-1221	1	mg/kg	0.027	ND
Aroclor-1232	1	mg/kg	0.027	ND
Aroclor-1242	1	mg/kg	0.027	ND
Aroclor-1248	1	mg/kg	0.027	ND
Aroclor-1254	1	mg/kg	0.027	ND
Aroclor-1260	1	mg/kg	0.027	ND
Aroclor-1262	1	mg/kg	0.027	ND
Aroclor-1268	1	mg/kg	0.027	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,2-Diphenylhydrazine	1	mg/kg	0.037	ND
2,4,5-Trichlorophenol	1	mg/kg	0.037	ND
2,4,6-Trichlorophenol	1	mg/kg	0.037	ND
2,4-Dichlorophenol	1	mg/kg	0.0092	ND
2,4-Dimethylphenol	1	mg/kg	0.037	ND
2,4-Dinitrophenol	1	mg/kg	0.18	ND
2,4-Dinitrotoluene	1	mg/kg	0.037	ND
2,6-Dinitrotoluene	1	mg/kg	0.037	ND
2-Chloronaphthalene	1	mg/kg	0.037	ND
2-Chlorophenol	1	mg/kg	0.037	ND
2-Methylnaphthalene	1	mg/kg	0.037	ND

Sample ID: RI-B2-A
Lab#: AC66869-003
Matrix: Soil

Collection Date: 6/28/2012
Receipt Date: 7/2/2012

2-Methylphenol	1	mg/kg	0.0092	ND
2-Nitroaniline	1	mg/kg	0.037	ND
2-Nitrophenol	1	mg/kg	0.037	ND
3&4-Methylphenol	1	mg/kg	0.0092	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.037	ND
3-Nitroaniline	1	mg/kg	0.037	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.037	ND
4-Bromophenyl-phenylether	1	mg/kg	0.037	ND
4-Chloro-3-methylphenol	1	mg/kg	0.037	ND
4-Chloroaniline	1	mg/kg	0.017	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.037	ND
4-Nitroaniline	1	mg/kg	0.037	ND
4-Nitrophenol	1	mg/kg	0.037	ND
Acenaphthene	1	mg/kg	0.037	ND
Acenaphthylene	1	mg/kg	0.037	ND
Aniline	1	mg/kg	0.015	ND
Anthracene	1	mg/kg	0.037	ND
Benzidine	1	mg/kg	0.037	ND
Benzo[a]anthracene	1	mg/kg	0.037	ND
Benzo[a]pyrene	1	mg/kg	0.037	ND
Benzo[b]fluoranthene	1	mg/kg	0.037	ND
Benzo[g,h,i]perylene	1	mg/kg	0.037	ND
Benzo[k]fluoranthene	1	mg/kg	0.037	ND
Benzoic acid	1	mg/kg	0.18	ND
bis(2-Chloroethoxy)methane	1	mg/kg	0.037	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.0092	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.037	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.037	ND
Butylbenzylphthalate	1	mg/kg	0.037	ND
Carbazole	1	mg/kg	0.037	ND
Chrysene	1	mg/kg	0.037	ND
Dibenzo[a,h]anthracene	1	mg/kg	0.037	ND
Dibenzofuran	1	mg/kg	0.0092	ND
Diethylphthalate	1	mg/kg	0.037	ND
Dimethylphthalate	1	mg/kg	0.037	ND
Di-n-butylphthalate	1	mg/kg	0.018	ND
Di-n-octylphthalate	1	mg/kg	0.037	ND
Fluoranthene	1	mg/kg	0.037	ND
Fluorene	1	mg/kg	0.037	ND
Hexachlorobenzene	1	mg/kg	0.037	ND
Hexachlorobutadiene	1	mg/kg	0.037	ND
Hexachlorocyclopentadiene	1	mg/kg	0.037	ND
Hexachloroethane	1	mg/kg	0.037	ND
Indeno[1,2,3-cd]pyrene	1	mg/kg	0.037	ND
Isophorone	1	mg/kg	0.037	ND
Naphthalene	1	mg/kg	0.0092	ND
Nitrobenzene	1	mg/kg	0.037	ND
N-Nitrosodimethylamine	1	mg/kg	0.037	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.0092	ND
N-Nitrosodiphenylamine	1	mg/kg	0.037	ND
Pentachlorophenol	1	mg/kg	0.18	ND
Phenanthrene	1	mg/kg	0.037	ND
Phenol	1	mg/kg	0.037	ND
Pyrene	1	mg/kg	0.037	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result

Sample ID: RI-B2-A
Lab#: AC66869-003
Matrix: Soil

Collection Date: 6/28/2012
Receipt Date: 7/2/2012

Aluminum	**1**	**mg/kg**	**220**	**19000**
Antimony	1	mg/kg	2.2	ND
Arsenic	1	mg/kg	2.2	ND
Barium	**1**	**mg/kg**	**11**	**110**
Beryllium	1	mg/kg	0.66	ND
Cadmium	1	mg/kg	0.66	ND
Calcium	**1**	**mg/kg**	**1100**	**2200**
Chromium	**1**	**mg/kg**	**5.5**	**45**
Cobalt	**1**	**mg/kg**	**2.7**	**13**
Copper	**1**	**mg/kg**	**5.5**	**31**
Iron	**1**	**mg/kg**	**220**	**24000**
Lead	**1**	**mg/kg**	**5.5**	**20**
Magnesium	**1**	**mg/kg**	**550**	**6300**
Manganese	**1**	**mg/kg**	**11**	**500**
Nickel	**1**	**mg/kg**	**5.5**	**29**
Potassium	**1**	**mg/kg**	**550**	**5100**
Selenium	1	mg/kg	2.0	ND
Silver	1	mg/kg	1.6	ND
Sodium	1	mg/kg	270	ND
Thallium	1	mg/kg	1.3	ND
Vanadium	**1**	**mg/kg**	**11**	**42**
Zinc	**1**	**mg/kg**	**11**	**58**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.988	mg/kg	0.0022	ND
1,1,2,2-Tetrachloroethane	0.988	mg/kg	0.0022	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.988	mg/kg	0.0022	ND
1,1,2-Trichloroethane	0.988	mg/kg	0.0022	ND
1,1-Dichloroethane	0.988	mg/kg	0.0022	ND
1,1-Dichloroethene	0.988	mg/kg	0.0022	ND
1,2,3-Trichloropropane	0.988	mg/kg	0.0022	ND
1,2,4-Trimethylbenzene	0.988	mg/kg	0.0011	ND
1,2-Dichlorobenzene	0.988	mg/kg	0.0022	ND
1,2-Dichloroethane	0.988	mg/kg	0.0022	ND
1,2-Dichloropropane	0.988	mg/kg	0.0022	ND
1,3,5-Trimethylbenzene	0.988	mg/kg	0.0011	ND
1,3-Dichlorobenzene	0.988	mg/kg	0.0022	ND
1,3-Dichloropropane	0.988	mg/kg	0.0022	ND
1,4-Dichlorobenzene	0.988	mg/kg	0.0022	ND
1,4-Dioxane	0.988	mg/kg	0.11	ND
2-Butanone	0.988	mg/kg	0.0022	ND
2-Chloroethylvinylether	0.988	mg/kg	0.0022	ND
2-Hexanone	0.988	mg/kg	0.0022	ND
4-Isopropyltoluene	0.988	mg/kg	0.0011	ND
4-Methyl-2-pentanone	0.988	mg/kg	0.0022	ND
Acetone	0.988	mg/kg	0.011	ND
Acrolein	0.988	mg/kg	0.011	ND
Acrylonitrile	0.988	mg/kg	0.0054	ND
Benzene	0.988	mg/kg	0.0011	ND
Bromodichloromethane	0.988	mg/kg	0.0022	ND
Bromoform	0.988	mg/kg	0.0022	ND
Bromomethane	0.988	mg/kg	0.0022	ND
Carbon disulfide	0.988	mg/kg	0.0022	ND
Carbon tetrachloride	0.988	mg/kg	0.0022	ND
Chlorobenzene	0.988	mg/kg	0.0022	ND
Chloroethane	0.988	mg/kg	0.0022	ND

Sample ID: RI-B2-A
Lab#: AC66869-003
Matrix: Soil

Collection Date: 6/28/2012
Receipt Date: 7/2/2012

Chloroform	0.988	mg/kg	0.0022	ND
Chloromethane	0.988	mg/kg	0.0022	ND
cis-1,2-Dichloroethene	0.988	mg/kg	0.0022	ND
cis-1,3-Dichloropropene	0.988	mg/kg	0.0022	ND
Dibromochloromethane	0.988	mg/kg	0.0022	ND
Dichlorodifluoromethane	0.988	mg/kg	0.0022	ND
Ethylbenzene	0.988	mg/kg	0.0011	ND
Isopropylbenzene	0.988	mg/kg	0.0011	ND
m&p-Xylenes	0.988	mg/kg	0.0011	ND
Methylene chloride	0.988	mg/kg	0.0022	ND
Methyl-t-butyl ether	0.988	mg/kg	0.0011	ND
n-Butylbenzene	0.988	mg/kg	0.0011	ND
n-Propylbenzene	0.988	mg/kg	0.0011	ND
o-Xylene	0.988	mg/kg	0.0011	ND
sec-Butylbenzene	0.988	mg/kg	0.0011	ND
Styrene	0.988	mg/kg	0.0022	ND
t-Butyl Alcohol	0.988	mg/kg	0.011	ND
t-Butylbenzene	0.988	mg/kg	0.0011	ND
Tetrachloroethene	**0.988**	**mg/kg**	**0.0022**	**0.0070**
Toluene	0.988	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.988	mg/kg	0.0022	ND
trans-1,3-Dichloropropene	0.988	mg/kg	0.0022	ND
Trichloroethene	0.988	mg/kg	0.0022	ND
Trichlorofluoromethane	0.988	mg/kg	0.0022	ND
Vinyl chloride	0.988	mg/kg	0.0022	ND
Xylenes (Total)	0.988	mg/kg	0.0011	ND

Sample ID: RI-B2-B
Lab#: AC66869-004
Matrix: Soil

Collection Date: 6/28/2012
Receipt Date: 7/2/2012

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**94**

Mercury (Soil/Waste) 7471A

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.089	ND

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
Aldrin	1	mg/kg	0.0053	ND
Alpha-BHC	1	mg/kg	0.0011	ND
beta-BHC	1	mg/kg	0.0011	ND
Chlordane	**1**	**mg/kg**	**0.027**	**0.041**
delta-BHC	1	mg/kg	0.0053	ND
Dieldrin	1	mg/kg	0.0011	ND
Endosulfan I	1	mg/kg	0.0053	ND
Endosulfan II	1	mg/kg	0.0053	ND
Endosulfan Sulfate	1	mg/kg	0.0053	ND
Endrin	1	mg/kg	0.0053	ND
Endrin Aldehyde	1	mg/kg	0.0053	ND
Endrin Ketone	1	mg/kg	0.0053	ND
gamma-BHC	1	mg/kg	0.0011	ND
Heptachlor	1	mg/kg	0.0053	ND
Heptachlor Epoxide	1	mg/kg	0.0053	ND
Methoxychlor	1	mg/kg	0.0053	ND
p,p'-DDD	1	mg/kg	0.0027	ND
p,p'-DDE	1	mg/kg	0.0027	ND
p,p'-DDT	1	mg/kg	0.0027	ND
Toxaphene	1	mg/kg	0.027	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.027	ND
Aroclor-1016	1	mg/kg	0.027	ND
Aroclor-1221	1	mg/kg	0.027	ND
Aroclor-1232	1	mg/kg	0.027	ND
Aroclor-1242	1	mg/kg	0.027	ND
Aroclor-1248	1	mg/kg	0.027	ND
Aroclor-1254	1	mg/kg	0.027	ND
Aroclor-1260	1	mg/kg	0.027	ND
Aroclor-1262	1	mg/kg	0.027	ND
Aroclor-1268	1	mg/kg	0.027	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,2-Diphenylhydrazine	1	mg/kg	0.035	ND
2,4,5-Trichlorophenol	1	mg/kg	0.035	ND
2,4,6-Trichlorophenol	1	mg/kg	0.035	ND
2,4-Dichlorophenol	1	mg/kg	0.0089	ND
2,4-Dimethylphenol	**1**	**mg/kg**	**0.035**	**0.043**
2,4-Dinitrophenol	1	mg/kg	0.18	ND
2,4-Dinitrotoluene	1	mg/kg	0.035	ND
2,6-Dinitrotoluene	1	mg/kg	0.035	ND
2-Chloronaphthalene	1	mg/kg	0.035	ND
2-Chlorophenol	1	mg/kg	0.035	ND
2-Methylnaphthalene	**1**	**mg/kg**	**0.035**	**0.29**

Sample ID: RI-B2-B **Collection Date: 6/28/2012**
Lab#: AC66869-004 **Receipt Date: 7/2/2012**
Matrix: Soil

2-Methylphenol	1	mg/kg	0.0089	ND
2-Nitroaniline	1	mg/kg	0.035	ND
2-Nitrophenol	1	mg/kg	0.035	ND
3&4-Methylphenol	1	mg/kg	0.0089	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.035	ND
3-Nitroaniline	1	mg/kg	0.035	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.035	ND
4-Bromophenyl-phenylether	1	mg/kg	0.035	ND
4-Chloro-3-methylphenol	1	mg/kg	0.035	ND
4-Chloroaniline	1	mg/kg	0.017	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.035	ND
4-Nitroaniline	1	mg/kg	0.035	ND
4-Nitrophenol	1	mg/kg	0.035	ND
Acenaphthene	1	mg/kg	0.035	ND
Acenaphthylene	1	mg/kg	0.035	ND
Aniline	1	mg/kg	0.014	ND
Anthracene	1	mg/kg	0.035	ND
Benzidine	1	mg/kg	0.035	ND
Benzo[a]anthracene	1	mg/kg	0.035	ND
Benzo[a]pyrene	1	mg/kg	0.035	ND
Benzo[b]fluoranthene	1	mg/kg	0.035	ND
Benzo[g,h,i]perylene	1	mg/kg	0.035	ND
Benzo[k]fluoranthene	1	mg/kg	0.035	ND
Benzoic acid	1	mg/kg	0.18	ND
bis(2-Chloroethoxy)methane	1	mg/kg	0.035	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.0089	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.035	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.035	ND
Butylbenzylphthalate	1	mg/kg	0.035	ND
Carbazole	1	mg/kg	0.035	ND
Chrysene	1	mg/kg	0.035	ND
Dibenzo[a,h]anthracene	1	mg/kg	0.035	ND
Dibenzofuran	1	mg/kg	0.0089	ND
Diethylphthalate	1	mg/kg	0.035	ND
Dimethylphthalate	1	mg/kg	0.035	ND
Di-n-butylphthalate	1	mg/kg	0.018	ND
Di-n-octylphthalate	1	mg/kg	0.035	ND
Fluoranthene	1	mg/kg	0.035	ND
Fluorene	1	mg/kg	0.035	ND
Hexachlorobenzene	1	mg/kg	0.035	ND
Hexachlorobutadiene	1	mg/kg	0.035	ND
Hexachlorocyclopentadiene	1	mg/kg	0.035	ND
Hexachloroethane	1	mg/kg	0.035	ND
Indeno[1,2,3-cd]pyrene	1	mg/kg	0.035	ND
Isophorone	1	mg/kg	0.035	ND
Naphthalene	**1**	**mg/kg**	**0.0089**	**0.15**
Nitrobenzene	1	mg/kg	0.035	ND
N-Nitrosodimethylamine	1	mg/kg	0.035	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.0089	ND
N-Nitrosodiphenylamine	1	mg/kg	0.035	ND
Pentachlorophenol	1	mg/kg	0.18	ND
Phenanthrene	1	mg/kg	0.035	ND
Phenol	1	mg/kg	0.035	ND
Pyrene	1	mg/kg	0.035	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result

Sample ID: RI-B2-B
Lab#: AC66869-004
Matrix: Soil

Collection Date: 6/28/2012
Receipt Date: 7/2/2012

Aluminum	**1**	**mg/kg**	**210**	**16000**
Antimony	1	mg/kg	2.1	ND
Arsenic	1	mg/kg	2.1	ND
Barium	**1**	**mg/kg**	**11**	**130**
Beryllium	1	mg/kg	0.64	ND
Cadmium	1	mg/kg	0.64	ND
Calcium	**1**	**mg/kg**	**1100**	**3400**
Chromium	**1**	**mg/kg**	**5.3**	**47**
Cobalt	**1**	**mg/kg**	**2.7**	**11**
Copper	**1**	**mg/kg**	**5.3**	**31**
Iron	**1**	**mg/kg**	**210**	**23000**
Lead	**1**	**mg/kg**	**5.3**	**6.9**
Magnesium	**1**	**mg/kg**	**530**	**6700**
Manganese	**1**	**mg/kg**	**11**	**260**
Nickel	**1**	**mg/kg**	**5.3**	**24**
Potassium	**1**	**mg/kg**	**530**	**7000**
Selenium	1	mg/kg	1.9	ND
Silver	1	mg/kg	1.6	ND
Sodium	1	mg/kg	270	ND
Thallium	1	mg/kg	1.3	ND
Vanadium	**1**	**mg/kg**	**11**	**51**
Zinc	**1**	**mg/kg**	**11**	**52**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	5	mg/kg	0.011	ND
1,1,2,2-Tetrachloroethane	5	mg/kg	0.011	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	5	mg/kg	0.011	ND
1,1,2-Trichloroethane	5	mg/kg	0.011	ND
1,1-Dichloroethane	5	mg/kg	0.011	ND
1,1-Dichloroethene	5	mg/kg	0.011	ND
1,2,3-Trichloropropane	5	mg/kg	0.011	ND
1,2,4-Trimethylbenzene	**5**	**mg/kg**	**0.0053**	**0.049**
1,2-Dichlorobenzene	5	mg/kg	0.011	ND
1,2-Dichloroethane	5	mg/kg	0.011	ND
1,2-Dichloropropane	5	mg/kg	0.011	ND
1,3,5-Trimethylbenzene	**5**	**mg/kg**	**0.0053**	**0.021**
1,3-Dichlorobenzene	5	mg/kg	0.011	ND
1,3-Dichloropropane	5	mg/kg	0.011	ND
1,4-Dichlorobenzene	5	mg/kg	0.011	ND
1,4-Dioxane	5	mg/kg	0.53	ND
2-Butanone	5	mg/kg	0.011	ND
2-Chloroethylvinylether	5	mg/kg	0.011	ND
2-Hexanone	5	mg/kg	0.011	ND
4-Isopropyltoluene	**5**	**mg/kg**	**0.0053**	**0.026**
4-Methyl-2-pentanone	5	mg/kg	0.011	ND
Acetone	**5**	**mg/kg**	**0.053**	**0.14**
Acrolein	5	mg/kg	0.053	ND
Acrylonitrile	5	mg/kg	0.027	ND
Benzene	5	mg/kg	0.0053	ND
Bromodichloromethane	5	mg/kg	0.011	ND
Bromoform	5	mg/kg	0.011	ND
Bromomethane	5	mg/kg	0.011	ND
Carbon disulfide	5	mg/kg	0.011	ND
Carbon tetrachloride	5	mg/kg	0.011	ND
Chlorobenzene	5	mg/kg	0.011	ND
Chloroethane	5	mg/kg	0.011	ND

Sample ID: RI-B2-B **Collection Date: 6/28/2012**
Lab#: AC66869-004 **Receipt Date: 7/2/2012**
Matrix: Soil

Chloroform	5	mg/kg	0.011	ND
Chloromethane	5	mg/kg	0.011	ND
cis-1,2-Dichloroethene	5	mg/kg	0.011	ND
cis-1,3-Dichloropropene	5	mg/kg	0.011	ND
Dibromochloromethane	5	mg/kg	0.011	ND
Dichlorodifluoromethane	5	mg/kg	0.011	ND
Ethylbenzene	5	mg/kg	0.0053	ND
Isopropylbenzene	**5**	**mg/kg**	**0.0053**	**0.0079**
m&p-Xylenes	5	mg/kg	0.0053	ND
Methylene chloride	5	mg/kg	0.011	ND
Methyl-t-butyl ether	5	mg/kg	0.0053	ND
n-Butylbenzene	**5**	**mg/kg**	**0.0053**	**0.18**
n-Propylbenzene	**5**	**mg/kg**	**0.0053**	**0.028**
o-Xylene	5	mg/kg	0.0053	ND
sec-Butylbenzene	**5**	**mg/kg**	**0.0053**	**0.076**
Styrene	5	mg/kg	0.011	ND
t-Butyl Alcohol	5	mg/kg	0.053	ND
t-Butylbenzene	**5**	**mg/kg**	**0.0053**	**0.0067**
Tetrachloroethene	5	mg/kg	0.011	ND
Toluene	5	mg/kg	0.0053	ND
trans-1,2-Dichloroethene	5	mg/kg	0.011	ND
trans-1,3-Dichloropropene	5	mg/kg	0.011	ND
Trichloroethene	5	mg/kg	0.011	ND
Trichlorofluoromethane	5	mg/kg	0.011	ND
Vinyl chloride	5	mg/kg	0.011	ND
Xylenes (Total)	5	mg/kg	0.0053	ND

Sample ID: RI-B3-A
Lab#: AC66869-005
Matrix: Soil

Collection Date: 6/28/2012
Receipt Date: 7/2/2012

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		92

Mercury (Soil/Waste) 7471A

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.091	ND

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
Aldrin	1	mg/kg	0.0054	ND
Alpha-BHC	1	mg/kg	0.0011	ND
beta-BHC	1	mg/kg	0.0011	ND
Chlordane	1	mg/kg	0.027	ND
delta-BHC	1	mg/kg	0.0054	ND
Dieldrin	1	mg/kg	0.0011	ND
Endosulfan I	1	mg/kg	0.0054	ND
Endosulfan II	1	mg/kg	0.0054	ND
Endosulfan Sulfate	1	mg/kg	0.0054	ND
Endrin	1	mg/kg	0.0054	ND
Endrin Aldehyde	1	mg/kg	0.0054	ND
Endrin Ketone	1	mg/kg	0.0054	ND
gamma-BHC	1	mg/kg	0.0011	ND
Heptachlor	1	mg/kg	0.0054	ND
Heptachlor Epoxide	1	mg/kg	0.0054	ND
Methoxychlor	1	mg/kg	0.0054	ND
p,p'-DDD	1	mg/kg	0.0027	ND
p,p'-DDE	1	mg/kg	0.0027	ND
p,p'-DDT	1	mg/kg	0.0027	ND
Toxaphene	1	mg/kg	0.027	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.027	ND
Aroclor-1016	1	mg/kg	0.027	ND
Aroclor-1221	1	mg/kg	0.027	ND
Aroclor-1232	1	mg/kg	0.027	ND
Aroclor-1242	1	mg/kg	0.027	ND
Aroclor-1248	1	mg/kg	0.027	ND
Aroclor-1254	1	mg/kg	0.027	ND
Aroclor-1260	1	mg/kg	0.027	ND
Aroclor-1262	1	mg/kg	0.027	ND
Aroclor-1268	1	mg/kg	0.027	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,2-Diphenylhydrazine	1	mg/kg	0.036	ND
2,4,5-Trichlorophenol	1	mg/kg	0.036	ND
2,4,6-Trichlorophenol	1	mg/kg	0.036	ND
2,4-Dichlorophenol	1	mg/kg	0.0091	ND
2,4-Dimethylphenol	1	mg/kg	0.036	ND
2,4-Dinitrophenol	1	mg/kg	0.18	ND
2,4-Dinitrotoluene	1	mg/kg	0.036	ND
2,6-Dinitrotoluene	1	mg/kg	0.036	ND
2-Chloronaphthalene	1	mg/kg	0.036	ND
2-Chlorophenol	1	mg/kg	0.036	ND
2-Methylnaphthalene	1	mg/kg	0.036	ND

Sample ID: RI-B3-A **Collection Date: 6/28/2012**
Lab#: AC66869-005 **Receipt Date: 7/2/2012**
Matrix: Soil

2-Methylphenol	1	mg/kg	0.0091	ND
2-Nitroaniline	1	mg/kg	0.036	ND
2-Nitrophenol	1	mg/kg	0.036	ND
3&4-Methylphenol	1	mg/kg	0.0091	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.036	ND
3-Nitroaniline	1	mg/kg	0.036	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.036	ND
4-Bromophenyl-phenylether	1	mg/kg	0.036	ND
4-Chloro-3-methylphenol	1	mg/kg	0.036	ND
4-Chloroaniline	1	mg/kg	0.017	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.036	ND
4-Nitroaniline	1	mg/kg	0.036	ND
4-Nitrophenol	1	mg/kg	0.036	ND
Acenaphthene	1	mg/kg	0.036	ND
Acenaphthylene	1	mg/kg	0.036	ND
Aniline	1	mg/kg	0.015	ND
Anthracene	1	mg/kg	0.036	ND
Benzidine	1	mg/kg	0.036	ND
Benzo[a]anthracene	**1**	**mg/kg**	**0.036**	**0.090**
Benzo[a]pyrene	**1**	**mg/kg**	**0.036**	**0.096**
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.036**	**0.16**
Benzo[g,h,i]perylene	**1**	**mg/kg**	**0.036**	**0.069**
Benzo[k]fluoranthene	1	mg/kg	0.036	ND
Benzoic acid	1	mg/kg	0.18	ND
bis(2-Chloroethoxy)methane	1	mg/kg	0.036	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.0091	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.036	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.036	ND
Butylbenzylphthalate	1	mg/kg	0.036	ND
Carbazole	1	mg/kg	0.036	ND
Chrysene	**1**	**mg/kg**	**0.036**	**0.092**
Dibenzo[a,h]anthracene	1	mg/kg	0.036	ND
Dibenzofuran	1	mg/kg	0.0091	ND
Diethylphthalate	1	mg/kg	0.036	ND
Dimethylphthalate	1	mg/kg	0.036	ND
Di-n-butylphthalate	1	mg/kg	0.018	ND
Di-n-octylphthalate	1	mg/kg	0.036	ND
Fluoranthene	**1**	**mg/kg**	**0.036**	**0.14**
Fluorene	1	mg/kg	0.036	ND
Hexachlorobenzene	1	mg/kg	0.036	ND
Hexachlorobutadiene	1	mg/kg	0.036	ND
Hexachlorocyclopentadiene	1	mg/kg	0.036	ND
Hexachloroethane	1	mg/kg	0.036	ND
Indeno[1,2,3-cd]pyrene	**1**	**mg/kg**	**0.036**	**0.075**
Isophorone	1	mg/kg	0.036	ND
Naphthalene	1	mg/kg	0.0091	ND
Nitrobenzene	1	mg/kg	0.036	ND
N-Nitrosodimethylamine	1	mg/kg	0.036	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.0091	ND
N-Nitrosodiphenylamine	1	mg/kg	0.036	ND
Pentachlorophenol	1	mg/kg	0.18	ND
Phenanthrene	**1**	**mg/kg**	**0.036**	**0.048**
Phenol	1	mg/kg	0.036	ND
Pyrene	**1**	**mg/kg**	**0.036**	**0.16**

TAL Metals 6010

Analyte	DF	Units	RL	Result

Sample ID: RI-B3-A
Lab#: AC66869-005
Matrix: Soil

Collection Date: 6/28/2012
Receipt Date: 7/2/2012

Aluminum	**1**	**mg/kg**	**220**	**17000**
Antimony	1	mg/kg	2.2	ND
Arsenic	1	mg/kg	2.2	ND
Barium	**1**	**mg/kg**	**11**	**170**
Beryllium	1	mg/kg	0.65	ND
Cadmium	1	mg/kg	0.65	ND
Calcium	**1**	**mg/kg**	**1100**	**1800**
Chromium	**1**	**mg/kg**	**5.4**	**39**
Cobalt	**1**	**mg/kg**	**2.7**	**11**
Copper	**1**	**mg/kg**	**5.4**	**28**
Iron	**1**	**mg/kg**	**220**	**26000**
Lead	**1**	**mg/kg**	**5.4**	**18**
Magnesium	**1**	**mg/kg**	**540**	**7700**
Manganese	**1**	**mg/kg**	**11**	**380**
Nickel	**1**	**mg/kg**	**5.4**	**25**
Potassium	**1**	**mg/kg**	**540**	**7000**
Selenium	1	mg/kg	2.0	ND
Silver	1	mg/kg	1.6	ND
Sodium	1	mg/kg	270	ND
Thallium	1	mg/kg	1.3	ND
Vanadium	**1**	**mg/kg**	**11**	**52**
Zinc	**1**	**mg/kg**	**11**	**63**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.982	mg/kg	0.0021	ND
1,1,2,2-Tetrachloroethane	0.982	mg/kg	0.0021	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.982	mg/kg	0.0021	ND
1,1,2-Trichloroethane	0.982	mg/kg	0.0021	ND
1,1-Dichloroethane	0.982	mg/kg	0.0021	ND
1,1-Dichloroethene	0.982	mg/kg	0.0021	ND
1,2,3-Trichloropropane	0.982	mg/kg	0.0021	ND
1,2,4-Trimethylbenzene	0.982	mg/kg	0.0011	ND
1,2-Dichlorobenzene	0.982	mg/kg	0.0021	ND
1,2-Dichloroethane	0.982	mg/kg	0.0021	ND
1,2-Dichloropropane	0.982	mg/kg	0.0021	ND
1,3,5-Trimethylbenzene	0.982	mg/kg	0.0011	ND
1,3-Dichlorobenzene	0.982	mg/kg	0.0021	ND
1,3-Dichloropropane	0.982	mg/kg	0.0021	ND
1,4-Dichlorobenzene	0.982	mg/kg	0.0021	ND
1,4-Dioxane	0.982	mg/kg	0.11	ND
2-Butanone	0.982	mg/kg	0.0021	ND
2-Chloroethylvinylether	0.982	mg/kg	0.0021	ND
2-Hexanone	0.982	mg/kg	0.0021	ND
4-Isopropyltoluene	0.982	mg/kg	0.0011	ND
4-Methyl-2-pentanone	0.982	mg/kg	0.0021	ND
Acetone	0.982	mg/kg	0.011	ND
Acrolein	0.982	mg/kg	0.011	ND
Acrylonitrile	0.982	mg/kg	0.0053	ND
Benzene	0.982	mg/kg	0.0011	ND
Bromodichloromethane	0.982	mg/kg	0.0021	ND
Bromoform	0.982	mg/kg	0.0021	ND
Bromomethane	0.982	mg/kg	0.0021	ND
Carbon disulfide	0.982	mg/kg	0.0021	ND
Carbon tetrachloride	0.982	mg/kg	0.0021	ND
Chlorobenzene	0.982	mg/kg	0.0021	ND
Chloroethane	0.982	mg/kg	0.0021	ND

Sample ID: RI-B3-A
Lab#: AC66869-005
Matrix: Soil

Collection Date: 6/28/2012
Receipt Date: 7/2/2012

Chloroform	0.982	mg/kg	0.0021	ND
Chloromethane	0.982	mg/kg	0.0021	ND
cis-1,2-Dichloroethene	0.982	mg/kg	0.0021	ND
cis-1,3-Dichloropropene	0.982	mg/kg	0.0021	ND
Dibromochloromethane	0.982	mg/kg	0.0021	ND
Dichlorodifluoromethane	0.982	mg/kg	0.0021	ND
Ethylbenzene	0.982	mg/kg	0.0011	ND
Isopropylbenzene	0.982	mg/kg	0.0011	ND
m&p-Xylenes	0.982	mg/kg	0.0011	ND
Methylene chloride	0.982	mg/kg	0.0021	ND
Methyl-t-butyl ether	0.982	mg/kg	0.0011	ND
n-Butylbenzene	0.982	mg/kg	0.0011	ND
n-Propylbenzene	0.982	mg/kg	0.0011	ND
o-Xylene	0.982	mg/kg	0.0011	ND
sec-Butylbenzene	0.982	mg/kg	0.0011	ND
Styrene	0.982	mg/kg	0.0021	ND
t-Butyl Alcohol	0.982	mg/kg	0.011	ND
t-Butylbenzene	0.982	mg/kg	0.0011	ND
Tetrachloroethene	**0.982**	**mg/kg**	**0.0021**	**0.0056**
Toluene	0.982	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.982	mg/kg	0.0021	ND
trans-1,3-Dichloropropene	0.982	mg/kg	0.0021	ND
Trichloroethene	0.982	mg/kg	0.0021	ND
Trichlorofluoromethane	0.982	mg/kg	0.0021	ND
Vinyl chloride	0.982	mg/kg	0.0021	ND
Xylenes (Total)	0.982	mg/kg	0.0011	ND

Sample ID: RI-B3-B
Lab#: AC66869-006
Matrix: Soil

Collection Date: 6/28/2012
Receipt Date: 7/2/2012

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**90**

Mercury (Soil/Waste) 7471A

Analyte	DF	Units	RL	Result
Mercury	**1**	**mg/kg**	**0.093**	**0.15**

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
Aldrin	1	mg/kg	0.0056	ND
Alpha-BHC	1	mg/kg	0.0011	ND
beta-BHC	1	mg/kg	0.0011	ND
Chlordane	1	mg/kg	0.028	ND
delta-BHC	1	mg/kg	0.0056	ND
Dieldrin	1	mg/kg	0.0011	ND
Endosulfan I	1	mg/kg	0.0056	ND
Endosulfan II	1	mg/kg	0.0056	ND
Endosulfan Sulfate	1	mg/kg	0.0056	ND
Endrin	1	mg/kg	0.0056	ND
Endrin Aldehyde	1	mg/kg	0.0056	ND
Endrin Ketone	1	mg/kg	0.0056	ND
gamma-BHC	1	mg/kg	0.0011	ND
Heptachlor	1	mg/kg	0.0056	ND
Heptachlor Epoxide	1	mg/kg	0.0056	ND
Methoxychlor	1	mg/kg	0.0056	ND
p,p'-DDD	**1**	**mg/kg**	**0.0028**	**0.0041**
p,p'-DDE	1	mg/kg	0.0028	ND
p,p'-DDT	1	mg/kg	0.0028	ND
Toxaphene	1	mg/kg	0.028	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.028**	**0.086**
Aroclor-1016	1	mg/kg	0.028	ND
Aroclor-1221	1	mg/kg	0.028	ND
Aroclor-1232	1	mg/kg	0.028	ND
Aroclor-1242	1	mg/kg	0.028	ND
Aroclor-1248	1	mg/kg	0.028	ND
Aroclor-1254	**1**	**mg/kg**	**0.028**	**0.086**
Aroclor-1260	1	mg/kg	0.028	ND
Aroclor-1262	1	mg/kg	0.028	ND
Aroclor-1268	1	mg/kg	0.028	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,2-Diphenylhydrazine	1	mg/kg	0.074	ND
2,4,5-Trichlorophenol	1	mg/kg	0.074	ND
2,4,6-Trichlorophenol	1	mg/kg	0.074	ND
2,4-Dichlorophenol	1	mg/kg	0.019	ND
2,4-Dimethylphenol	1	mg/kg	0.074	ND
2,4-Dinitrophenol	1	mg/kg	0.37	ND
2,4-Dinitrotoluene	1	mg/kg	0.074	ND
2,6-Dinitrotoluene	1	mg/kg	0.074	ND
2-Chloronaphthalene	1	mg/kg	0.074	ND
2-Chlorophenol	1	mg/kg	0.074	ND
2-Methylnaphthalene	1	mg/kg	0.074	ND

Sample ID: RI-B3-B **Collection Date: 6/28/2012**
Lab#: AC66869-006 **Receipt Date: 7/2/2012**
Matrix: Soil

2-Methylphenol	1	mg/kg	0.019	ND
2-Nitroaniline	1	mg/kg	0.074	ND
2-Nitrophenol	1	mg/kg	0.074	ND
3&4-Methylphenol	1	mg/kg	0.019	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.074	ND
3-Nitroaniline	1	mg/kg	0.074	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.074	ND
4-Bromophenyl-phenylether	1	mg/kg	0.074	ND
4-Chloro-3-methylphenol	1	mg/kg	0.074	ND
4-Chloroaniline	1	mg/kg	0.035	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.074	ND
4-Nitroaniline	1	mg/kg	0.074	ND
4-Nitrophenol	1	mg/kg	0.074	ND
Acenaphthene	1	mg/kg	0.074	ND
Acenaphthylene	1	mg/kg	0.074	ND
Aniline	1	mg/kg	0.030	ND
Anthracene	**1**	**mg/kg**	**0.074**	**0.087**
Benzidine	1	mg/kg	0.074	ND
Benzo[a]anthracene	**1**	**mg/kg**	**0.074**	**0.47**
Benzo[a]pyrene	**1**	**mg/kg**	**0.074**	**0.44**
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.074**	**0.59**
Benzo[g,h,i]perylene	**1**	**mg/kg**	**0.074**	**0.33**
Benzo[k]fluoranthene	**1**	**mg/kg**	**0.074**	**0.20**
Benzoic acid	1	mg/kg	0.37	ND
bis(2-Chloroethoxy)methane	1	mg/kg	0.074	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.019	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.074	ND
bis(2-Ethylhexyl)phthalate	**1**	**mg/kg**	**0.074**	**0.088**
Butylbenzylphthalate	1	mg/kg	0.074	ND
Carbazole	1	mg/kg	0.074	ND
Chrysene	**1**	**mg/kg**	**0.074**	**0.48**
Dibenzo[a,h]anthracene	1	mg/kg	0.074	ND
Dibenzofuran	1	mg/kg	0.019	ND
Diethylphthalate	1	mg/kg	0.074	ND
Dimethylphthalate	1	mg/kg	0.074	ND
Di-n-butylphthalate	1	mg/kg	0.037	ND
Di-n-octylphthalate	1	mg/kg	0.074	ND
Fluoranthene	**1**	**mg/kg**	**0.074**	**0.76**
Fluorene	1	mg/kg	0.074	ND
Hexachlorobenzene	1	mg/kg	0.074	ND
Hexachlorobutadiene	1	mg/kg	0.074	ND
Hexachlorocyclopentadiene	1	mg/kg	0.074	ND
Hexachloroethane	1	mg/kg	0.074	ND
Indeno[1,2,3-cd]pyrene	**1**	**mg/kg**	**0.074**	**0.28**
Isophorone	1	mg/kg	0.074	ND
Naphthalene	1	mg/kg	0.019	ND
Nitrobenzene	1	mg/kg	0.074	ND
N-Nitrosodimethylamine	1	mg/kg	0.074	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.019	ND
N-Nitrosodiphenylamine	1	mg/kg	0.074	ND
Pentachlorophenol	1	mg/kg	0.37	ND
Phenanthrene	**1**	**mg/kg**	**0.074**	**0.26**
Phenol	1	mg/kg	0.074	ND
Pyrene	**1**	**mg/kg**	**0.074**	**0.78**

TAL Metals 6010

Analyte	DF	Units	RL	Result

Sample ID: RI-B3-B
Lab#: AC66869-006
Matrix: Soil

Collection Date: 6/28/2012
Receipt Date: 7/2/2012

Aluminum	**1**	**mg/kg**	**220**	**17000**
Antimony	1	mg/kg	2.2	ND
Arsenic	**1**	**mg/kg**	**2.2**	**3.9**
Barium	**1**	**mg/kg**	**11**	**150**
Beryllium	1	mg/kg	0.67	ND
Cadmium	1	mg/kg	0.67	ND
Calcium	**1**	**mg/kg**	**1100**	**5300**
Chromium	**1**	**mg/kg**	**5.6**	**41**
Cobalt	**1**	**mg/kg**	**2.8**	**12**
Copper	**1**	**mg/kg**	**5.6**	**48**
Iron	**1**	**mg/kg**	**220**	**30000**
Lead	**1**	**mg/kg**	**5.6**	**180**
Magnesium	**1**	**mg/kg**	**560**	**6700**
Manganese	**1**	**mg/kg**	**11**	**950**
Nickel	**1**	**mg/kg**	**5.6**	**31**
Potassium	**1**	**mg/kg**	**560**	**5000**
Selenium	1	mg/kg	2.0	ND
Silver	1	mg/kg	1.7	ND
Sodium	1	mg/kg	280	ND
Thallium	1	mg/kg	1.3	ND
Vanadium	**1**	**mg/kg**	**11**	**43**
Zinc	**1**	**mg/kg**	**11**	**140**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.98	mg/kg	0.0022	ND
1,1,2,2-Tetrachloroethane	0.98	mg/kg	0.0022	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.98	mg/kg	0.0022	ND
1,1,2-Trichloroethane	0.98	mg/kg	0.0022	ND
1,1-Dichloroethane	0.98	mg/kg	0.0022	ND
1,1-Dichloroethene	0.98	mg/kg	0.0022	ND
1,2,3-Trichloropropane	0.98	mg/kg	0.0022	ND
1,2,4-Trimethylbenzene	0.98	mg/kg	0.0011	ND
1,2-Dichlorobenzene	0.98	mg/kg	0.0022	ND
1,2-Dichloroethane	0.98	mg/kg	0.0022	ND
1,2-Dichloropropane	0.98	mg/kg	0.0022	ND
1,3,5-Trimethylbenzene	0.98	mg/kg	0.0011	ND
1,3-Dichlorobenzene	0.98	mg/kg	0.0022	ND
1,3-Dichloropropane	0.98	mg/kg	0.0022	ND
1,4-Dichlorobenzene	0.98	mg/kg	0.0022	ND
1,4-Dioxane	0.98	mg/kg	0.11	ND
2-Butanone	0.98	mg/kg	0.0022	ND
2-Chloroethylvinylether	0.98	mg/kg	0.0022	ND
2-Hexanone	0.98	mg/kg	0.0022	ND
4-Isopropyltoluene	0.98	mg/kg	0.0011	ND
4-Methyl-2-pentanone	0.98	mg/kg	0.0022	ND
Acetone	0.98	mg/kg	0.011	ND
Acrolein	0.98	mg/kg	0.011	ND
Acrylonitrile	0.98	mg/kg	0.0054	ND
Benzene	0.98	mg/kg	0.0011	ND
Bromodichloromethane	0.98	mg/kg	0.0022	ND
Bromoform	0.98	mg/kg	0.0022	ND
Bromomethane	0.98	mg/kg	0.0022	ND
Carbon disulfide	0.98	mg/kg	0.0022	ND
Carbon tetrachloride	0.98	mg/kg	0.0022	ND
Chlorobenzene	0.98	mg/kg	0.0022	ND
Chloroethane	0.98	mg/kg	0.0022	ND

Sample ID: RI-B3-B
Lab#: AC66869-006
Matrix: Soil

Collection Date: 6/28/2012
Receipt Date: 7/2/2012

Chloroform	0.98	mg/kg	0.0022	ND
Chloromethane	0.98	mg/kg	0.0022	ND
cis-1,2-Dichloroethene	0.98	mg/kg	0.0022	ND
cis-1,3-Dichloropropene	0.98	mg/kg	0.0022	ND
Dibromochloromethane	0.98	mg/kg	0.0022	ND
Dichlorodifluoromethane	0.98	mg/kg	0.0022	ND
Ethylbenzene	0.98	mg/kg	0.0011	ND
Isopropylbenzene	0.98	mg/kg	0.0011	ND
m&p-Xylenes	0.98	mg/kg	0.0011	ND
Methylene chloride	0.98	mg/kg	0.0022	ND
Methyl-t-butyl ether	0.98	mg/kg	0.0011	ND
n-Butylbenzene	0.98	mg/kg	0.0011	ND
n-Propylbenzene	0.98	mg/kg	0.0011	ND
o-Xylene	0.98	mg/kg	0.0011	ND
sec-Butylbenzene	0.98	mg/kg	0.0011	ND
Styrene	0.98	mg/kg	0.0022	ND
t-Butyl Alcohol	0.98	mg/kg	0.011	ND
t-Butylbenzene	0.98	mg/kg	0.0011	ND
Tetrachloroethene	**0.98**	**mg/kg**	**0.0022**	**0.0079**
Toluene	0.98	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.98	mg/kg	0.0022	ND
trans-1,3-Dichloropropene	0.98	mg/kg	0.0022	ND
Trichloroethene	0.98	mg/kg	0.0022	ND
Trichlorofluoromethane	0.98	mg/kg	0.0022	ND
Vinyl chloride	0.98	mg/kg	0.0022	ND
Xylenes (Total)	0.98	mg/kg	0.0011	ND

Sample ID: RI-B2-C
Lab#: AC66869-007
Matrix: Soil

Collection Date: 6/28/2012
Receipt Date: 7/2/2012

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**94**

Mercury (Soil/Waste) 7471A

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.089	ND

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
Aldrin	1	mg/kg	0.0053	ND
Alpha-BHC	1	mg/kg	0.0011	ND
beta-BHC	1	mg/kg	0.0011	ND
Chlordane	1	mg/kg	0.027	ND
delta-BHC	1	mg/kg	0.0053	ND
Dieldrin	1	mg/kg	0.0011	ND
Endosulfan I	1	mg/kg	0.0053	ND
Endosulfan II	1	mg/kg	0.0053	ND
Endosulfan Sulfate	1	mg/kg	0.0053	ND
Endrin	1	mg/kg	0.0053	ND
Endrin Aldehyde	1	mg/kg	0.0053	ND
Endrin Ketone	1	mg/kg	0.0053	ND
gamma-BHC	1	mg/kg	0.0011	ND
Heptachlor	1	mg/kg	0.0053	ND
Heptachlor Epoxide	1	mg/kg	0.0053	ND
Methoxychlor	1	mg/kg	0.0053	ND
p,p'-DDD	1	mg/kg	0.0027	ND
p,p'-DDE	1	mg/kg	0.0027	ND
p,p'-DDT	1	mg/kg	0.0027	ND
Toxaphene	1	mg/kg	0.027	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.027	ND
Aroclor-1016	1	mg/kg	0.027	ND
Aroclor-1221	1	mg/kg	0.027	ND
Aroclor-1232	1	mg/kg	0.027	ND
Aroclor-1242	1	mg/kg	0.027	ND
Aroclor-1248	1	mg/kg	0.027	ND
Aroclor-1254	1	mg/kg	0.027	ND
Aroclor-1260	1	mg/kg	0.027	ND
Aroclor-1262	1	mg/kg	0.027	ND
Aroclor-1268	1	mg/kg	0.027	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,2-Diphenylhydrazine	1	mg/kg	0.035	ND
2,4,5-Trichlorophenol	1	mg/kg	0.035	ND
2,4,6-Trichlorophenol	1	mg/kg	0.035	ND
2,4-Dichlorophenol	1	mg/kg	0.0089	ND
2,4-Dimethylphenol	**1**	**mg/kg**	**0.035**	**0.047**
2,4-Dinitrophenol	1	mg/kg	0.18	ND
2,4-Dinitrotoluene	1	mg/kg	0.035	ND
2,6-Dinitrotoluene	1	mg/kg	0.035	ND
2-Chloronaphthalene	1	mg/kg	0.035	ND
2-Chlorophenol	1	mg/kg	0.035	ND
2-Methylnaphthalene	**1**	**mg/kg**	**0.035**	**0.26**

Sample ID: RI-B2-C
Lab#: AC66869-007
Matrix: Soil

Collection Date: 6/28/2012
Receipt Date: 7/2/2012

2-Methylphenol	1	mg/kg	0.0089	ND
2-Nitroaniline	1	mg/kg	0.035	ND
2-Nitrophenol	1	mg/kg	0.035	ND
3&4-Methylphenol	1	mg/kg	0.0089	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.035	ND
3-Nitroaniline	1	mg/kg	0.035	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.035	ND
4-Bromophenyl-phenylether	1	mg/kg	0.035	ND
4-Chloro-3-methylphenol	1	mg/kg	0.035	ND
4-Chloroaniline	1	mg/kg	0.017	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.035	ND
4-Nitroaniline	1	mg/kg	0.035	ND
4-Nitrophenol	1	mg/kg	0.035	ND
Acenaphthene	1	mg/kg	0.035	ND
Acenaphthylene	1	mg/kg	0.035	ND
Aniline	1	mg/kg	0.014	ND
Anthracene	1	mg/kg	0.035	ND
Benzidine	1	mg/kg	0.035	ND
Benzo[a]anthracene	1	mg/kg	0.035	ND
Benzo[a]pyrene	1	mg/kg	0.035	ND
Benzo[b]fluoranthene	1	mg/kg	0.035	ND
Benzo[g,h,i]perylene	1	mg/kg	0.035	ND
Benzo[k]fluoranthene	1	mg/kg	0.035	ND
Benzoic acid	1	mg/kg	0.18	ND
bis(2-Chloroethoxy)methane	1	mg/kg	0.035	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.0089	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.035	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.035	ND
Butylbenzylphthalate	1	mg/kg	0.035	ND
Carbazole	1	mg/kg	0.035	ND
Chrysene	1	mg/kg	0.035	ND
Dibenzo[a,h]anthracene	1	mg/kg	0.035	ND
Dibenzofuran	1	mg/kg	0.0089	ND
Diethylphthalate	1	mg/kg	0.035	ND
Dimethylphthalate	1	mg/kg	0.035	ND
Di-n-butylphthalate	1	mg/kg	0.018	ND
Di-n-octylphthalate	1	mg/kg	0.035	ND
Fluoranthene	1	mg/kg	0.035	ND
Fluorene	1	mg/kg	0.035	ND
Hexachlorobenzene	1	mg/kg	0.035	ND
Hexachlorobutadiene	1	mg/kg	0.035	ND
Hexachlorocyclopentadiene	1	mg/kg	0.035	ND
Hexachloroethane	1	mg/kg	0.035	ND
Indeno[1,2,3-cd]pyrene	1	mg/kg	0.035	ND
Isophorone	1	mg/kg	0.035	ND
Naphthalene	**1**	**mg/kg**	**0.0089**	**0.13**
Nitrobenzene	1	mg/kg	0.035	ND
N-Nitrosodimethylamine	1	mg/kg	0.035	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.0089	ND
N-Nitrosodiphenylamine	1	mg/kg	0.035	ND
Pentachlorophenol	1	mg/kg	0.18	ND
Phenanthrene	1	mg/kg	0.035	ND
Phenol	1	mg/kg	0.035	ND
Pyrene	1	mg/kg	0.035	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result

Sample ID: RI-B2-C
Lab#: AC66869-007
Matrix: Soil

Collection Date: 6/28/2012
Receipt Date: 7/2/2012

Aluminum	**1**	**mg/kg**	**210**	**9500**
Antimony	1	mg/kg	2.1	ND
Arsenic	1	mg/kg	2.1	ND
Barium	**1**	**mg/kg**	**11**	**99**
Beryllium	1	mg/kg	0.64	ND
Cadmium	1	mg/kg	0.64	ND
Calcium	**1**	**mg/kg**	**1100**	**1300**
Chromium	**1**	**mg/kg**	**5.3**	**32**
Cobalt	**1**	**mg/kg**	**2.7**	**8.7**
Copper	**1**	**mg/kg**	**5.3**	**27**
Iron	**1**	**mg/kg**	**210**	**15000**
Lead	1	mg/kg	5.3	ND
Magnesium	**1**	**mg/kg**	**530**	**4100**
Manganese	**1**	**mg/kg**	**11**	**460**
Nickel	**1**	**mg/kg**	**5.3**	**21**
Potassium	**1**	**mg/kg**	**530**	**4100**
Selenium	1	mg/kg	1.9	ND
Silver	1	mg/kg	1.6	ND
Sodium	1	mg/kg	270	ND
Thallium	1	mg/kg	1.3	ND
Vanadium	**1**	**mg/kg**	**11**	**34**
Zinc	**1**	**mg/kg**	**11**	**30**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	4.9	mg/kg	0.010	ND
1,1,2,2-Tetrachloroethane	4.9	mg/kg	0.010	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	4.9	mg/kg	0.010	ND
1,1,2-Trichloroethane	4.9	mg/kg	0.010	ND
1,1-Dichloroethane	4.9	mg/kg	0.010	ND
1,1-Dichloroethene	4.9	mg/kg	0.010	ND
1,2,3-Trichloropropane	4.9	mg/kg	0.010	ND
1,2,4-Trimethylbenzene	4.9	mg/kg	0.0052	ND
1,2-Dichlorobenzene	4.9	mg/kg	0.010	ND
1,2-Dichloroethane	4.9	mg/kg	0.010	ND
1,2-Dichloropropane	4.9	mg/kg	0.010	ND
1,3,5-Trimethylbenzene	4.9	mg/kg	0.0052	ND
1,3-Dichlorobenzene	4.9	mg/kg	0.010	ND
1,3-Dichloropropane	4.9	mg/kg	0.010	ND
1,4-Dichlorobenzene	4.9	mg/kg	0.010	ND
1,4-Dioxane	4.9	mg/kg	0.52	ND
2-Butanone	4.9	mg/kg	0.010	ND
2-Chloroethylvinylether	4.9	mg/kg	0.010	ND
2-Hexanone	4.9	mg/kg	0.010	ND
4-Isopropyltoluene	4.9	mg/kg	0.0052	ND
4-Methyl-2-pentanone	4.9	mg/kg	0.010	ND
Acetone	**4.9**	**mg/kg**	**0.052**	**0.13**
Acrolein	4.9	mg/kg	0.052	ND
Acrylonitrile	4.9	mg/kg	0.026	ND
Benzene	4.9	mg/kg	0.0052	ND
Bromodichloromethane	4.9	mg/kg	0.010	ND
Bromoform	4.9	mg/kg	0.010	ND
Bromomethane	4.9	mg/kg	0.010	ND
Carbon disulfide	4.9	mg/kg	0.010	ND
Carbon tetrachloride	4.9	mg/kg	0.010	ND
Chlorobenzene	4.9	mg/kg	0.010	ND
Chloroethane	4.9	mg/kg	0.010	ND

Sample ID: RI-B2-C
Lab#: AC66869-007
Matrix: Soil

Collection Date: 6/28/2012
Receipt Date: 7/2/2012

Chloroform	4.9	mg/kg	0.010	ND
Chloromethane	4.9	mg/kg	0.010	ND
cis-1,2-Dichloroethene	4.9	mg/kg	0.010	ND
cis-1,3-Dichloropropene	4.9	mg/kg	0.010	ND
Dibromochloromethane	4.9	mg/kg	0.010	ND
Dichlorodifluoromethane	4.9	mg/kg	0.010	ND
Ethylbenzene	4.9	mg/kg	0.0052	ND
Isopropylbenzene	4.9	mg/kg	0.0052	ND
m&p-Xylenes	4.9	mg/kg	0.0052	ND
Methylene chloride	4.9	mg/kg	0.010	ND
Methyl-t-butyl ether	4.9	mg/kg	0.0052	ND
n-Butylbenzene	**4.9**	**mg/kg**	**0.0052**	**0.037**
n-Propylbenzene	**4.9**	**mg/kg**	**0.0052**	**0.0058**
o-Xylene	4.9	mg/kg	0.0052	ND
sec-Butylbenzene	**4.9**	**mg/kg**	**0.0052**	**0.016**
Styrene	4.9	mg/kg	0.010	ND
t-Butyl Alcohol	4.9	mg/kg	0.052	ND
t-Butylbenzene	4.9	mg/kg	0.0052	ND
Tetrachloroethene	4.9	mg/kg	0.010	ND
Toluene	4.9	mg/kg	0.0052	ND
trans-1,2-Dichloroethene	4.9	mg/kg	0.010	ND
trans-1,3-Dichloropropene	4.9	mg/kg	0.010	ND
Trichloroethene	4.9	mg/kg	0.010	ND
Trichlorofluoromethane	4.9	mg/kg	0.010	ND
Vinyl chloride	4.9	mg/kg	0.010	ND
Xylenes (Total)	4.9	mg/kg	0.0052	ND

Sample ID: RI-B3-A (DUP)
Lab#: AC66869-008
Matrix: Soil

Collection Date: 6/28/2012
Receipt Date: 7/2/2012

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		91

Mercury (Soil/Waste) 7471A

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.092	0.11

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
Aldrin	1	mg/kg	0.0055	ND
Alpha-BHC	1	mg/kg	0.0011	ND
beta-BHC	1	mg/kg	0.0011	ND
Chlordane	1	mg/kg	0.027	ND
delta-BHC	1	mg/kg	0.0055	ND
Dieldrin	1	mg/kg	0.0011	ND
Endosulfan I	1	mg/kg	0.0055	ND
Endosulfan II	1	mg/kg	0.0055	ND
Endosulfan Sulfate	1	mg/kg	0.0055	ND
Endrin	1	mg/kg	0.0055	ND
Endrin Aldehyde	1	mg/kg	0.0055	ND
Endrin Ketone	1	mg/kg	0.0055	ND
gamma-BHC	1	mg/kg	0.0011	ND
Heptachlor	1	mg/kg	0.0055	ND
Heptachlor Epoxide	1	mg/kg	0.0055	ND
Methoxychlor	1	mg/kg	0.0055	ND
p,p'-DDD	**1**	**mg/kg**	**0.0027**	**0.0050**
p,p'-DDE	1	mg/kg	0.0027	ND
p,p'-DDT	1	mg/kg	0.0027	ND
Toxaphene	1	mg/kg	0.027	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.027	ND
Aroclor-1016	1	mg/kg	0.027	ND
Aroclor-1221	1	mg/kg	0.027	ND
Aroclor-1232	1	mg/kg	0.027	ND
Aroclor-1242	1	mg/kg	0.027	ND
Aroclor-1248	1	mg/kg	0.027	ND
Aroclor-1254	1	mg/kg	0.027	ND
Aroclor-1260	1	mg/kg	0.027	ND
Aroclor-1262	1	mg/kg	0.027	ND
Aroclor-1268	1	mg/kg	0.027	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,2-Diphenylhydrazine	1	mg/kg	0.037	ND
2,4,5-Trichlorophenol	1	mg/kg	0.037	ND
2,4,6-Trichlorophenol	1	mg/kg	0.037	ND
2,4-Dichlorophenol	1	mg/kg	0.0092	ND
2,4-Dimethylphenol	1	mg/kg	0.037	ND
2,4-Dinitrophenol	1	mg/kg	0.18	ND
2,4-Dinitrotoluene	1	mg/kg	0.037	ND
2,6-Dinitrotoluene	1	mg/kg	0.037	ND
2-Chloronaphthalene	1	mg/kg	0.037	ND
2-Chlorophenol	1	mg/kg	0.037	ND
2-Methylnaphthalene	1	mg/kg	0.037	ND

Sample ID: RI-B3-A (DUP)
Lab#: AC66869-008
Matrix: Soil

Collection Date: 6/28/2012
Receipt Date: 7/2/2012

2-Methylphenol	1	mg/kg	0.0092	ND
2-Nitroaniline	1	mg/kg	0.037	ND
2-Nitrophenol	1	mg/kg	0.037	ND
3&4-Methylphenol	1	mg/kg	0.0092	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.037	ND
3-Nitroaniline	1	mg/kg	0.037	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.037	ND
4-Bromophenyl-phenylether	1	mg/kg	0.037	ND
4-Chloro-3-methylphenol	1	mg/kg	0.037	ND
4-Chloroaniline	1	mg/kg	0.017	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.037	ND
4-Nitroaniline	1	mg/kg	0.037	ND
4-Nitrophenol	1	mg/kg	0.037	ND
Acenaphthene	1	mg/kg	0.037	ND
Acenaphthylene	1	mg/kg	0.037	ND
Aniline	1	mg/kg	0.015	ND
Anthracene	**1**	**mg/kg**	**0.037**	**0.099**
Benzidine	1	mg/kg	0.037	ND
Benzo[a]anthracene	**1**	**mg/kg**	**0.037**	**0.34**
Benzo[a]pyrene	**1**	**mg/kg**	**0.037**	**0.30**
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.037**	**0.38**
Benzo[g,h,i]perylene	**1**	**mg/kg**	**0.037**	**0.19**
Benzo[k]fluoranthene	**1**	**mg/kg**	**0.037**	**0.14**
Benzoic acid	1	mg/kg	0.18	ND
bis(2-Chloroethoxy)methane	1	mg/kg	0.037	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.0092	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.037	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.037	ND
Butylbenzylphthalate	1	mg/kg	0.037	ND
Carbazole	1	mg/kg	0.037	ND
Chrysene	**1**	**mg/kg**	**0.037**	**0.35**
Dibenzo[a,h]anthracene	**1**	**mg/kg**	**0.037**	**0.069**
Dibenzofuran	1	mg/kg	0.0092	ND
Diethylphthalate	1	mg/kg	0.037	ND
Dimethylphthalate	1	mg/kg	0.037	ND
Di-n-butylphthalate	1	mg/kg	0.018	ND
Di-n-octylphthalate	1	mg/kg	0.037	ND
Fluoranthene	**1**	**mg/kg**	**0.037**	**0.60**
Fluorene	1	mg/kg	0.037	ND
Hexachlorobenzene	1	mg/kg	0.037	ND
Hexachlorobutadiene	1	mg/kg	0.037	ND
Hexachlorocyclopentadiene	1	mg/kg	0.037	ND
Hexachloroethane	1	mg/kg	0.037	ND
Indeno[1,2,3-cd]pyrene	**1**	**mg/kg**	**0.037**	**0.19**
Isophorone	1	mg/kg	0.037	ND
Naphthalene	1	mg/kg	0.0092	ND
Nitrobenzene	1	mg/kg	0.037	ND
N-Nitrosodimethylamine	1	mg/kg	0.037	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.0092	ND
N-Nitrosodiphenylamine	1	mg/kg	0.037	ND
Pentachlorophenol	1	mg/kg	0.18	ND
Phenanthrene	**1**	**mg/kg**	**0.037**	**0.14**
Phenol	1	mg/kg	0.037	ND
Pyrene	**1**	**mg/kg**	**0.037**	**0.70**

TAL Metals 6010

Analyte	DF	Units	RL	Result

Sample ID: RI-B3-A (DUP)
Lab#: AC66869-008
Matrix: Soil

Collection Date: 6/28/2012
Receipt Date: 7/2/2012

Aluminum	**1**	**mg/kg**	**220**	**17000**
Antimony	1	mg/kg	2.2	ND
Arsenic	**1**	**mg/kg**	**2.2**	**2.3**
Barium	**1**	**mg/kg**	**11**	**120**
Beryllium	1	mg/kg	0.66	ND
Cadmium	1	mg/kg	0.66	ND
Calcium	**1**	**mg/kg**	**1100**	**2600**
Chromium	**1**	**mg/kg**	**5.5**	**30**
Cobalt	**1**	**mg/kg**	**2.7**	**13**
Copper	**1**	**mg/kg**	**5.5**	**33**
Iron	**1**	**mg/kg**	**220**	**21000**
Lead	**1**	**mg/kg**	**5.5**	**22**
Magnesium	**1**	**mg/kg**	**550**	**6800**
Manganese	**1**	**mg/kg**	**11**	**380**
Nickel	**1**	**mg/kg**	**5.5**	**31**
Potassium	**1**	**mg/kg**	**550**	**5400**
Selenium	1	mg/kg	2.0	ND
Silver	1	mg/kg	1.6	ND
Sodium	1	mg/kg	270	ND
Thallium	1	mg/kg	1.3	ND
Vanadium	**1**	**mg/kg**	**11**	**44**
Zinc	**1**	**mg/kg**	**11**	**64**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.973	mg/kg	0.0021	ND
1,1,2,2-Tetrachloroethane	0.973	mg/kg	0.0021	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.973	mg/kg	0.0021	ND
1,1,2-Trichloroethane	0.973	mg/kg	0.0021	ND
1,1-Dichloroethane	0.973	mg/kg	0.0021	ND
1,1-Dichloroethene	0.973	mg/kg	0.0021	ND
1,2,3-Trichloropropane	0.973	mg/kg	0.0021	ND
1,2,4-Trimethylbenzene	0.973	mg/kg	0.0011	ND
1,2-Dichlorobenzene	0.973	mg/kg	0.0021	ND
1,2-Dichloroethane	0.973	mg/kg	0.0021	ND
1,2-Dichloropropane	0.973	mg/kg	0.0021	ND
1,3,5-Trimethylbenzene	0.973	mg/kg	0.0011	ND
1,3-Dichlorobenzene	0.973	mg/kg	0.0021	ND
1,3-Dichloropropane	0.973	mg/kg	0.0021	ND
1,4-Dichlorobenzene	0.973	mg/kg	0.0021	ND
1,4-Dioxane	0.973	mg/kg	0.11	ND
2-Butanone	0.973	mg/kg	0.0021	ND
2-Chloroethylvinylether	0.973	mg/kg	0.0021	ND
2-Hexanone	0.973	mg/kg	0.0021	ND
4-Isopropyltoluene	0.973	mg/kg	0.0011	ND
4-Methyl-2-pentanone	0.973	mg/kg	0.0021	ND
Acetone	0.973	mg/kg	0.011	ND
Acrolein	0.973	mg/kg	0.011	ND
Acrylonitrile	0.973	mg/kg	0.0053	ND
Benzene	0.973	mg/kg	0.0011	ND
Bromodichloromethane	0.973	mg/kg	0.0021	ND
Bromoform	0.973	mg/kg	0.0021	ND
Bromomethane	0.973	mg/kg	0.0021	ND
Carbon disulfide	0.973	mg/kg	0.0021	ND
Carbon tetrachloride	0.973	mg/kg	0.0021	ND
Chlorobenzene	0.973	mg/kg	0.0021	ND
Chloroethane	0.973	mg/kg	0.0021	ND

Sample ID: RI-B3-A (DUP)
Lab#: AC66869-008
Matrix: Soil

Collection Date: 6/28/2012
Receipt Date: 7/2/2012

Chloroform	0.973	mg/kg	0.0021	ND
Chloromethane	0.973	mg/kg	0.0021	ND
cis-1,2-Dichloroethene	0.973	mg/kg	0.0021	ND
cis-1,3-Dichloropropene	0.973	mg/kg	0.0021	ND
Dibromochloromethane	0.973	mg/kg	0.0021	ND
Dichlorodifluoromethane	0.973	mg/kg	0.0021	ND
Ethylbenzene	0.973	mg/kg	0.0011	ND
Isopropylbenzene	0.973	mg/kg	0.0011	ND
m&p-Xylenes	0.973	mg/kg	0.0011	ND
Methylene chloride	0.973	mg/kg	0.0021	ND
Methyl-t-butyl ether	0.973	mg/kg	0.0011	ND
n-Butylbenzene	0.973	mg/kg	0.0011	ND
n-Propylbenzene	0.973	mg/kg	0.0011	ND
o-Xylene	0.973	mg/kg	0.0011	ND
sec-Butylbenzene	0.973	mg/kg	0.0011	ND
Styrene	0.973	mg/kg	0.0021	ND
t-Butyl Alcohol	0.973	mg/kg	0.011	ND
t-Butylbenzene	0.973	mg/kg	0.0011	ND
Tetrachloroethene	**0.973**	**mg/kg**	**0.0021**	**0.0052**
Toluene	0.973	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.973	mg/kg	0.0021	ND
trans-1,3-Dichloropropene	0.973	mg/kg	0.0021	ND
Trichloroethene	0.973	mg/kg	0.0021	ND
Trichlorofluoromethane	0.973	mg/kg	0.0021	ND
Vinyl chloride	0.973	mg/kg	0.0021	ND
Xylenes (Total)	0.973	mg/kg	0.0011	ND

HCV Reporting Limit Definitions/Data Qualifiers

REPORTING DEFINITIONS

DF = Dilution Factor

MDL = Method Detection Limit

RL* = Reporting Limit

ND = Not Detected

RT = Retention Time

NA = Not Applicable

**Samples with elevated Reporting Limits (RLs) as a result of a dilution may not achieve client reporting limits in some cases. The elevated RLs are unavoidable consequences of sample dilution required to quantitate target analytes that exceed the calibration range of the instrument.*

DATA QUALIFIERS

B- Indicates analyte was present in the Method Blank and sample.

d- For Pesticide and PCB analysis, the concentration between primary and secondary columns is greater than 40%. The lower concentration is generally reported.

E- Indicates the concentration exceeded the upper calibration range of the instrument.

J- Indicates the value is estimated because it is either a Tentatively Identified Compound (TIC) or the reported concentration is greater than the MDL but less than the RL. For samples results between the MDL and RL there is a possibility of false positives or misidentification at the quantitation levels. Additionally, the acceptance criteria for QC samples may not be met.

Laboratory Chronicle

Client: Whitestone Associates

Project: EJ1111829.002

HCV Project #: 2070213

Lab#: AC66869-001 **Sample ID: RI-B1-A**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	7/3/12 00:00	JANEE
Mercury (Soil/Waste) 7471A	EPA 7471A	07/10/12	JULIJANA	EPA 7471A	7/13/12 15:04	CJA
Organochlorine Pesticides 8081	3510C/3550B	07/09/12	NU	EPA 8081A	7/10/12 08:41	JP/MS
PCB 8082	3510C/3550B	07/09/12	NU	EPA 8082	7/10/12 17:12	MS/JP
Semivolatile Organics (no search) 8270	3510C/3550B	07/11/12	hj	EPA 8270C	7/12/12 17:43	AHD
TAL Metals 6010	3005&10/3050	07/10/12	JULIJANA	EPA 6010B	7/13/12 23:47	OA
TAL Metals 6010	3005&10/3050	07/10/12	JULIJANA	EPA 6010B	7/14/12 22:27	OA
TAL Metals 6010	3005&10/3050	07/10/12	JULIJANA	EPA 6010B	7/16/12 12:14	SRB
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	7/9/12 20:57	WP

Lab#: AC66869-002 **Sample ID: RI-B1-B**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	7/3/12 00:00	JANEE
Mercury (Soil/Waste) 7471A	EPA 7471A	07/10/12	JULIJANA	EPA 7471A	7/13/12 15:06	CJA
Organochlorine Pesticides 8081	3510C/3550B	07/09/12	NU	EPA 8081A	7/10/12 09:32	JP/MS
PCB 8082	3510C/3550B	07/09/12	NU	EPA 8082	7/10/12 18:00	MS/JP
Semivolatile Organics (no search) 8270	3510C/3550B	07/11/12	hj	EPA 8270C	7/12/12 18:07	AHD
TAL Metals 6010	3005&10/3050	07/10/12	JULIJANA	EPA 6010B	7/13/12 23:50	OA
TAL Metals 6010	3005&10/3050	07/10/12	JULIJANA	EPA 6010B	7/14/12 22:31	OA
TAL Metals 6010	3005&10/3050	07/10/12	JULIJANA	EPA 6010B	7/16/12 12:17	SRB
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	7/9/12 17:56	DB

Lab#: AC66869-003 **Sample ID: RI-B2-A**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	7/3/12 00:00	JANEE
Mercury (Soil/Waste) 7471A	EPA 7471A	07/10/12	JULIJANA	EPA 7471A	7/13/12 14:44	CJA
Organochlorine Pesticides 8081	3510C/3550B	07/09/12	NU	EPA 8081A	7/10/12 09:49	JP/MS
PCB 8082	3510C/3550B	07/09/12	NU	EPA 8082	7/10/12 18:16	MS/JP
Semivolatile Organics (no search) 8270	3510C/3550B	07/11/12	hj	EPA 8270C	7/12/12 18:30	AHD
TAL Metals 6010	3005&10/3050	07/10/12	JULIJANA	EPA 6010B	7/13/12 22:38	OA
TAL Metals 6010	3005&10/3050	07/10/12	JULIJANA	EPA 6010B	7/14/12 21:07	OA
TAL Metals 6010	3005&10/3050	07/10/12	JULIJANA	EPA 6010B	7/16/12 11:12	SRB
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	7/9/12 18:12	DB

Laboratory Chronicle

Client: Whitestone Associates

Project: EJ1111829.002

HCV Project #: 2070213

Lab#: AC66869-004 **Sample ID: RI-B2-B**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	7/3/12 00:00	JANEE
Mercury (Soil/Waste) 7471A	EPA 7471A	07/10/12	JULIJANA	EPA 7471A	7/13/12 15:07	CJA
Organochlorine Pesticides 8081	3510C/3550B	07/09/12	NU	EPA 8081A	7/10/12 10:06	JP/MS
PCB 8082	3510C/3550B	07/09/12	NU	EPA 8082	7/10/12 18:31	MS/JP
Semivolatile Organics (no search) 8270	3510C/3550B	07/11/12	hj	EPA 8270C	7/12/12 18:54	AHD
TAL Metals 6010	3005&10/3050	07/10/12	JULIJANA	EPA 6010B	7/13/12 23:53	OA
TAL Metals 6010	3005&10/3050	07/10/12	JULIJANA	EPA 6010B	7/14/12 22:35	OA
TAL Metals 6010	3005&10/3050	07/10/12	JULIJANA	EPA 6010B	7/16/12 12:20	SRB
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	7/9/12 19:32	DB

Lab#: AC66869-005 **Sample ID: RI-B3-A**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	7/3/12 00:00	JANEE
Mercury (Soil/Waste) 7471A	EPA 7471A	07/10/12	JULIJANA	EPA 7471A	7/13/12 15:09	CJA
Organochlorine Pesticides 8081	3510C/3550B	07/09/12	NU	EPA 8081A	7/10/12 10:42	JP/MS
PCB 8082	3510C/3550B	07/09/12	NU	EPA 8082	7/10/12 18:47	MS/JP
Semivolatile Organics (no search) 8270	3510C/3550B	07/11/12	hj	EPA 8270C	7/12/12 19:18	AHD
TAL Metals 6010	3005&10/3050	07/10/12	JULIJANA	EPA 6010B	7/13/12 23:56	OA
TAL Metals 6010	3005&10/3050	07/10/12	JULIJANA	EPA 6010B	7/14/12 22:40	OA
TAL Metals 6010	3005&10/3050	07/10/12	JULIJANA	EPA 6010B	7/16/12 12:23	SRB
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	7/9/12 18:28	DB

Lab#: AC66869-006 **Sample ID: RI-B3-B**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	7/3/12 00:00	JANEE
Mercury (Soil/Waste) 7471A	EPA 7471A	07/10/12	JULIJANA	EPA 7471A	7/13/12 15:10	CJA
Organochlorine Pesticides 8081	3510C/3550B	07/09/12	NU	EPA 8081A	7/10/12 10:59	JP/MS
PCB 8082	3510C/3550B	07/09/12	NU	EPA 8082	7/10/12 19:03	MS/JP
Semivolatile Organics (no search) 8270	3510C/3550B	07/11/12	hj	EPA 8270C	7/12/12 19:42	AHD
TAL Metals 6010	3005&10/3050	07/10/12	JULIJANA	EPA 6010B	7/14/12 00:00	OA
TAL Metals 6010	3005&10/3050	07/10/12	JULIJANA	EPA 6010B	7/14/12 22:44	OA
TAL Metals 6010	3005&10/3050	07/10/12	JULIJANA	EPA 6010B	7/16/12 12:26	SRB
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	7/9/12 18:44	DB

Laboratory Chronicle

Client: Whitestone Associates

Project: EJ1111829.002

HCV Project #: 2070213

Lab#: AC66869-007 **Sample ID: RI-B2-C**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	7/3/12 00:00	JANEE
Mercury (Soil/Waste) 7471A	EPA 7471A	07/05/12	purva	EPA 7471A	7/9/12 16:09	CJA
Organochlorine Pesticides 8081	3510C/3550B	07/09/12	NU	EPA 8081A	7/10/12 10:25	JP/MS
PCB 8082	3510C/3550B	07/09/12	NU	EPA 8082	7/10/12 19:19	MS/JP
Semivolatile Organics (no search) 8270	3510C/3550B	07/11/12	hj	EPA 8270C	7/12/12 20:05	AHD
TAL Metals 6010	3005&10/3050	07/05/12	purva	EPA 6010B	7/6/12 02:49	OA
TAL Metals 6010	3005&10/3050	07/05/12	purva	EPA 6010B	7/6/12 05:42	OA
TAL Metals 6010	3005&10/3050	07/05/12	purva	EPA 6010B	7/6/12 16:51	OA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	7/9/12 19:16	DB

Lab#: AC66869-008 **Sample ID: RI-B3-A (DUP)**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	7/3/12 00:00	JANEE
Mercury (Soil/Waste) 7471A	EPA 7471A	07/10/12	JULIJANA	EPA 7471A	7/13/12 15:12	CJA
Organochlorine Pesticides 8081	3510C/3550B	07/09/12	NU	EPA 8081A	7/10/12 11:16	JP/MS
PCB 8082	3510C/3550B	07/09/12	NU	EPA 8082	7/10/12 19:35	MS/JP
Semivolatile Organics (no search) 8270	3510C/3550B	07/11/12	hj	EPA 8270C	7/13/12 17:29	AHD
TAL Metals 6010	3005&10/3050	07/10/12	JULIJANA	EPA 6010B	7/14/12 00:10	OA
TAL Metals 6010	3005&10/3050	07/10/12	JULIJANA	EPA 6010B	7/14/12 22:55	OA
TAL Metals 6010	3005&10/3050	07/10/12	JULIJANA	EPA 6010B	7/16/12 12:29	SRB
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	7/9/12 19:00	DB

Chain of Custody

175 Route 46 West and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1458
Service Center: 137-D Gaither Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056

HC-V HamptonClarke-Veritech

CHAIN OF CUSTODY RECORD

NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | WV #353 | KY #90124

0046-2070213

Customer Information

1a) Customer: Whitestone Associates, Inc.
Address: 35 Technology Drive
Warren, NJ 07059
1b) Email/Cell/Fax/Ph: 908-668-7777
1c) Send Invoice to: Whitestone - PATB
1d) Send Report to: Whitestone - PATB

Project Information

2a) Project: EJ 1111829.002
2b) Project Mgr: C. Seib
2c) Project Location (City/State): Bronx, NY
2d) Quote/PO # (If Applicable): —

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Deliv.
24 Hours (100%)	Data Summary	Hazsite/CSV
48 Hours (75%)	Waste	EQuIS 4-File / EZ / NYS
72 Hours (50%)	Red NJ NY PA	EQuIS EPA Region 2 or 5
4 Days (35%; TPH)	CLP	Excel - NJ Regulatory
1 Week (25%; EPH)	Full / Category B	Excel - NY Regulatory
10 Days (10%)	Category A	Excel - PA Regulatory
2 Weeks	Other:	PDF
Other:		Other:

Expedited TAT Not Always Available. Please Check with Lab.

FOR LAB USE ONLY ↓

Batch #

Check If Contingent ===>

Matrix Codes
DW - Drinking Water, S - Soil, A - Air, GW - Ground Water, SL - Sludge, WW - Waste Water, OL - Oil, OT - Other (please specify under item 9, Comments)

7) Analysis Request <=== Check If Contingent

8) # of Bottles

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Composite (C)	Grab (G)	PCB	Pesticides	TAL Metals	VOC	SVOC	None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
AC66869																				
001	RI-B1A	S	6/28/12	1310		X	X	X	X	X	X	2								
002	RI-B1B	S	6/28/12	1330		X	X	X	X	X	X	2								
003	RI-B2A	S	6/28/12	1155		X	X	X	X	X	X	2								
004	RI-B2B	S	6/28/12	1215		X	X	X	X	X	X	2								
005	RI-B3-A	S	6/28/12	1415		X	X	X	X	X	X	2								
006	RI-B3-B	S	6/28/12	1425		X	X	X	X	X	X	2								
007	RI-B2-C	S	6/28/12	1220		X	X	X	X	X	X	2								HOLD
008	RI-B3-A (DUP)	S	6/28/12	1415																

10) Relinquished by:	Accepted by:	Date	Time
[signature]	Maxwell	7/2/12	11:05
Maxwell	[signature]	7/2/12	11:46

Additional Notes

Comments, Notes, Special Requirements, HAZARDS

Note: Check if low-level groundwater methods required to meet current standards in NJ or PA:
- BN or BNA (8270C SIM)
- VOC (8260B SIM or 8011)
- Metals (ICP-MS 200.8 or 6020)
- Metals-Soil (ICP-MS 6020 for Be & Ag)

Note: Check if applicable:
- Project-Specific Reporting Limits
- High Contaminant Concentrations
- NJ LSRP Project

Cooler Temperature: 2.7

11) Sampler (print name): Patrick Beesley Date:

Please circle required parameter list (refer to HC-V summary): i) NJ 2008 SRS; ii) Current TCL; iii) HC-V 2010 Merged; iv) PA; v) NY; vi) Project-Specific

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.

PROJECT MODIFICATIONS

Client: WHITESTONE
Project: EJ1111829.002

HCV Project #: 2070213

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7/2/2012 1:33:36 PM

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per Patrick Beesley RI-B3-A (DUP) should get analyze for everything (PCB,PE,Tal-Met,VO,BNA). AL 7/2/12

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7/3/2012 4:27:57 PM

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per Patrick Beesley take sample AC66869-007 off hold and analyze for PCB,PE,TAL-Met,VO, and BNA. AL 7/3/12

CONDITION UPON RECEIPT

Batch Number AC66869

Entered By: ricardo
Date Entered 7/2/2012 12:31:00 PM

1	Yes	Is there a corresponding COC included with the samples?
2	Yes	Are the samples in a container such as a cooler or Ice chest?
3	NO	Are the COC seals intact?
4	Yes	Please specify the Temperature inside the container (in degC) 2.7C
5	Yes	Are the samples refrigerated (where required)/have they arrived on ice?
6	Yes	Are the samples within the holding times for the parameters listed on the COC? IF no, list parameters and samples:
7	Yes	Are all of the sample bottles intact? If no, specify sample numbers broken/leaking
8	Yes	Are all of the sample labels or numbers legible? If no specify:
9	Yes	Do the contents match the COC? If no, specify
10	Yes	Is there enough sample sent for the analyses listed on the COC? If no, specify:
11	NA	Are samples preserved correctly?
12	Yes	Was temperature blank present (Place comment below if not)? If not was temperature of samples verified?
13	NA	Other comments ...Specify
14	NA	Corrective actions (Specify item number and corrective action taken).

Internal Chain of Custody

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis
AC66869-001	07/02/12 11:46	RICAR	0	M	Received
AC66869-001	07/02/12 12:30	RICAR	0	M	Login
AC66869-001	07/03/12 13:14	R30	1	A	NONE
AC66869-001	07/08/12 17:44	WP	1	A	voa
AC66869-001	07/08/12 18:01	R30	1	A	NONE
AC66869-001	07/09/12 10:24	ABM	1	A	VOA
AC66869-001	07/09/12 10:51	R30	1	A	NONE
AC66869-001	07/02/12 21:52	PA	2	A	mixing
AC66869-001	07/02/12 21:53	R12	2	A	NONE
AC66869-001	07/03/12 07:42	DW	2	M	% SOLIDS
AC66869-001	07/03/12 16:11	R12	2	A	NONE
AC66869-001	07/09/12 12:52	NU	2	A	PCB
AC66869-001	07/09/12 13:20	R12	2	A	NONE
AC66869-001	07/10/12 11:15	JU	2	A	tdsi-hg
AC66869-001	07/10/12 15:06	R12	2	A	NONE
AC66869-001	07/11/12 15:53	HJ	2	A	bn
AC66869-001	07/11/12 15:55	R12	2	A	NONE
AC66869-001	07/09/12 10:51	F18	4	A	N0NE
AC66869-002	07/02/12 11:46	RICAR	0	M	Received
AC66869-002	07/02/12 12:30	RICAR	0	M	Login
AC66869-002	07/03/12 13:14	R30	1	A	NONE
AC66869-002	07/08/12 17:44	WP	1	A	voa
AC66869-002	07/08/12 18:01	R30	1	A	NONE
AC66869-002	07/09/12 10:24	ABM	1	A	VOA
AC66869-002	07/09/12 10:51	R30	1	A	NONE
AC66869-002	07/10/12 12:17	ABM	1	A	VOA
AC66869-002	07/10/12 12:20	R30	1	A	NONE
AC66869-002	07/02/12 21:52	PA	2	A	mixing
AC66869-002	07/02/12 21:53	R12	2	A	NONE
AC66869-002	07/03/12 07:42	DW	2	M	% SOLIDS
AC66869-002	07/03/12 16:11	R12	2	A	NONE
AC66869-002	07/09/12 12:52	NU	2	A	PCB
AC66869-002	07/09/12 13:20	R12	2	A	NONE
AC66869-002	07/10/12 11:15	JU	2	A	tdsi-hg
AC66869-002	07/10/12 15:06	R12	2	A	NONE
AC66869-002	07/11/12 15:53	HJ	2	A	bn
AC66869-002	07/11/12 15:55	R12	2	A	NONE
AC66869-002	07/09/12 10:51	F18	4	A	N0NE
AC66869-002	07/10/12 12:21	F18	5	A	NONE
AC66869-002	07/10/12 13:05	WP	5	A	VOA
AC66869-002	07/10/12 12:21	F18	6	A	NONE
AC66869-002	07/10/12 13:05	WP	6	A	VOA
AC66869-003	07/02/12 11:46	RICAR	0	M	Received
AC66869-003	07/02/12 12:30	RICAR	0	M	Login
AC66869-003	07/03/12 13:14	R30	1	A	NONE
AC66869-003	07/08/12 17:44	WP	1	A	voa
AC66869-003	07/08/12 18:01	R30	1	A	NONE
AC66869-003	07/09/12 10:24	ABM	1	A	VOA
AC66869-003	07/09/12 10:51	R30	1	A	NONE
AC66869-003	07/02/12 21:52	PA	2	A	mixing
AC66869-003	07/02/12 21:53	R12	2	A	NONE
AC66869-003	07/03/12 07:42	DW	2	M	% SOLIDS
AC66869-003	07/03/12 16:11	R12	2	A	NONE
AC66869-003	07/09/12 12:52	NU	2	A	PCB
AC66869-003	07/09/12 13:20	R12	2	A	NONE
AC66869-003	07/10/12 11:15	JU	2	A	tdsi-hg
AC66869-003	07/10/12 15:06	R12	2	A	NONE
AC66869-003	07/11/12 15:53	HJ	2	A	bn
AC66869-003	07/11/12 15:55	R12	2	A	NONE
AC66869-003	07/09/12 10:51	F18	4	A	N0NE
AC66869-004	07/02/12 11:46	RICAR	0	M	Received
AC66869-004	07/02/12 12:30	RICAR	0	M	Login
AC66869-004	07/03/12 13:14	R30	1	A	NONE
AC66869-004	07/08/12 17:44	WP	1	A	voa
AC66869-004	07/08/12 18:01	R30	1	A	NONE
AC66869-004	07/09/12 10:24	ABM	1	A	VOA
AC66869-004	07/09/12 10:51	R30	1	A	NONE
AC66869-004	07/09/12 16:40	ABM	1	A	VOA
AC66869-004	07/09/12 16:44	R30	1	A	NONE
AC66869-004	07/02/12 21:52	PA	2	A	mixing
AC66869-004	07/02/12 21:53	R12	2	A	NONE
AC66869-004	07/03/12 07:42	DW	2	M	% SOLIDS
AC66869-004	07/03/12 16:11	R12	2	A	NONE
AC66869-004	07/09/12 12:52	NU	2	A	PCB
AC66869-004	07/09/12 13:20	R12	2	A	NONE
AC66869-004	07/10/12 11:15	JU	2	A	tdsi-hg
AC66869-004	07/10/12 15:06	R12	2	A	NONE
AC66869-004	07/11/12 15:53	HJ	2	A	bn
AC66869-004	07/11/12 15:55	R12	2	A	NONE
AC66869-004	07/08/12 18:01	R30	3	A	NONE
AC66869-004	07/09/12 10:51	F18	5	A	N0NE
AC66869-004	07/19/12 15:19	DISPO	5	A	NONE
AC66869-004	07/09/12 10:51	F18	6	A	N0NE
AC66869-004	07/09/12 16:44	F18	7	A	NONE
AC66869-004	07/10/12 09:41	WP	7	A	VOA
AC66869-004	07/19/12 15:19	DISPO	7	A	NONE
AC66869-005	07/02/12 11:46	RICAR	0	M	Received
AC66869-005	07/02/12 12:30	RICAR	0	M	Login
AC66869-005	07/03/12 13:14	R30	1	A	NONE
AC66869-005	07/08/12 17:44	WP	1	A	voa
AC66869-005	07/08/12 18:01	R30	1	A	NONE
AC66869-005	07/09/12 10:24	ABM	1	A	VOA
AC66869-005	07/09/12 10:51	R30	1	A	NONE
AC66869-005	07/02/12 21:52	PA	2	A	mixing
AC66869-005	07/02/12 21:53	R12	2	A	NONE
AC66869-005	07/03/12 07:42	DW	2	M	% SOLIDS
AC66869-005	07/03/12 16:11	R12	2	A	NONE
AC66869-005	07/09/12 12:52	NU	2	A	PCB
AC66869-005	07/09/12 13:20	R12	2	A	NONE
AC66869-005	07/10/12 11:15	JU	2	A	tdsi-hg
AC66869-005	07/10/12 15:06	R12	2	A	NONE
AC66869-005	07/11/12 15:53	HJ	2	A	bn
AC66869-005	07/11/12 15:55	R12	2	A	NONE
AC66869-005	07/09/12 10:51	F18	4	A	N0NE
AC66869-006	07/02/12 11:46	RICAR	0	M	Received
AC66869-006	07/02/12 12:30	RICAR	0	M	Login
AC66869-006	07/03/12 13:14	R30	1	A	NONE
AC66869-006	07/08/12 17:44	WP	1	A	voa
AC66869-006	07/08/12 18:01	R30	1	A	NONE
AC66869-006	07/09/12 10:24	ABM	1	A	VOA
AC66869-006	07/09/12 10:51	R30	1	A	NONE
AC66869-006	07/02/12 21:52	PA	2	A	mixing
AC66869-006	07/02/12 21:53	R12	2	A	NONE
AC66869-006	07/03/12 07:42	DW	2	M	% SOLIDS
AC66869-006	07/03/12 16:11	R12	2	A	NONE
AC66869-006	07/09/12 12:52	NU	2	A	PCB
AC66869-006	07/09/12 13:20	R12	2	A	NONE
AC66869-006	07/10/12 11:15	JU	2	A	tdsi-hg
AC66869-006	07/10/12 15:06	R12	2	A	NONE
AC66869-006	07/11/12 15:53	HJ	2	A	bn
AC66869-006	07/11/12 15:55	R12	2	A	NONE
AC66869-006	07/09/12 10:51	F18	4	A	N0NE
AC66869-007	07/02/12 11:46	RICAR	0	M	Received
AC66869-007	07/02/12 12:30	RICAR	0	M	Login
AC66869-007	07/03/12 13:14	R30	1	A	NONE
AC66869-007	07/08/12 17:44	WP	1	A	voa
AC66869-007	07/08/12 18:01	R30	1	A	NONE
AC66869-007	07/09/12 10:24	ABM	1	A	VOA
AC66869-007	07/09/12 10:51	R30	1	A	NONE
AC66869-007	07/09/12 16:40	ABM	1	A	VOA
AC66869-007	07/09/12 16:44	R30	1	A	NONE
AC66869-007	07/02/12 21:52	PA	2	A	mixing
AC66869-007	07/02/12 21:53	R12	2	A	NONE
AC66869-007	07/03/12 07:42	DW	2	M	% SOLIDS
AC66869-007	07/03/12 16:11	R12	2	A	NONE
AC66869-007	07/05/12 14:53	PH	2	A	r12
AC66869-007	07/09/12 12:52	NU	2	A	PCB
AC66869-007	07/09/12 13:20	R12	2	A	NONE
AC66869-007	07/11/12 15:53	HJ	2	A	bn
AC66869-007	07/11/12 15:55	R12	2	A	NONE
AC66869-007	07/08/12 18:01	R30	3	A	NONE
AC66869-007	07/09/12 10:51	F18	5	A	N0NE
AC66869-007	07/09/12 16:44	F18	6	A	NONE
AC66869-007	07/10/12 09:41	WP	6	A	VOA
AC66869-007	07/19/12 15:19	DISPO	6	A	NONE
AC66869-008	07/02/12 11:46	RICAR	0	M	Received
AC66869-008	07/02/12 12:30	RICAR	0	M	Login
AC66869-008	07/03/12 13:14	R30	1	A	NONE
AC66869-008	07/08/12 17:44	WP	1	A	voa
AC66869-008	07/08/12 18:01	R30	1	A	NONE

Samples marked as received are stored in coolers or refrigerator R12, or R24 at 4 deg C until Login

Internal Chain of Custody

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis
AC66869-008	07/09/12 10:24	ABM	1	A	VOA
AC66869-008	07/09/12 10:51	R30	1	A	NONE
AC66869-008	07/02/12 21:52	PA	2	A	mixing
AC66869-008	07/02/12 21:53	R12	2	A	NONE
AC66869-008	07/03/12 07:42	DW	2	M	% SOLIDS
AC66869-008	07/03/12 16:11	R12	2	A	NONE
AC66869-008	07/09/12 12:52	NU	2	A	PCB
AC66869-008	07/09/12 13:20	R12	2	A	NONE
AC66869-008	07/10/12 11:15	JU	2	A	tdsi-hg
AC66869-008	07/10/12 15:06	R12	2	A	NONE
AC66869-008	07/11/12 15:53	HJ	2	A	bn
AC66869-008	07/11/12 15:55	R12	2	A	NONE
AC66869-008	07/09/12 10:51	F18	4	A	N0NE

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis

Samples marked as received are stored in coolers or refrigerator R12, or R24 at 4 deg C until Login

Volatile Data

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC66869-001
Client Id: RI-B1-A
Data File: 2M87033.D
Analysis Date: 07/09/12 20:57
Date Rec/Extracted: 07/02/12-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5.16g
Final Vol: NA
Dilution: 0.969
Solids: 90

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0022	U	56-23-5	Carbon Tetrachloride	0.0022	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0022	U	108-90-7	Chlorobenzene	0.0022	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0022	U	75-00-3	Chloroethane	0.0022	U
79-00-5	1,1,2-Trichloroethane	0.0022	U	67-66-3	Chloroform	0.0022	U
75-34-3	1,1-Dichloroethane	0.0022	U	74-87-3	Chloromethane	0.0022	U
75-35-4	1,1-Dichloroethene	0.0022	U	156-59-2	cis-1,2-Dichloroethene	0.0022	U
96-18-4	1,2,3-Trichloropropane	0.0022	U	10061-01-5	cis-1,3-Dichloropropene	0.0022	U
95-63-6	1,2,4-Trimethylbenzene	0.0011	U	124-48-1	Dibromochloromethane	0.0022	U
95-50-1	1,2-Dichlorobenzene	0.0022	U	75-71-8	Dichlorodifluoromethane	0.0022	U
107-06-2	1,2-Dichloroethane	0.0022	U	100-41-4	Ethylbenzene	0.0011	U
78-87-5	1,2-Dichloropropane	0.0022	U	98-82-8	Isopropylbenzene	0.0011	U
108-67-8	1,3,5-Trimethylbenzene	0.0011	U	136777612	m&p-Xylenes	0.0011	U
541-73-1	1,3-Dichlorobenzene	0.0022	U	75-09-2	Methylene Chloride	0.0022	U
142-28-9	1,3-Dichloropropane	0.0022	U	1634-04-4	Methyl-t-butyl ether	0.0011	U
106-46-7	1,4-Dichlorobenzene	0.0022	U	104-51-8	n-Butylbenzene	0.0011	U
123-91-1	1,4-Dioxane	0.11	U	103-65-1	n-Propylbenzene	0.0011	U
78-93-3	2-Butanone	0.0022	U	95-47-6	o-Xylene	0.0011	U
110-75-8	2-Chloroethylvinylether	0.0022	U	135-98-8	sec-Butylbenzene	0.0011	U
591-78-6	2-Hexanone	0.0022	U	100-42-5	Styrene	0.0022	U
99-87-6	4-Isopropyltoluene	0.0011	U	75-65-0	t-Butyl Alcohol	0.011	U
108-10-1	4-Methyl-2-Pentanone	0.0022	U	98-06-6	t-Butylbenzene	0.0011	U
67-64-1	Acetone	0.011	U	**127-18-4**	**Tetrachloroethene**	**0.0022**	**0.0056**
107-02-8	Acrolein	0.011	U	108-88-3	Toluene	0.0011	U
107-13-1	Acrylonitrile	0.0054	U	156-60-5	trans-1,2-Dichloroethene	0.0022	U
71-43-2	Benzene	0.0011	U	10061-02-6	trans-1,3-Dichloropropene	0.0022	U
75-27-4	Bromodichloromethane	0.0022	U	79-01-6	Trichloroethene	0.0022	U
75-25-2	Bromoform	0.0022	U	75-69-4	Trichlorofluoromethane	0.0022	U
74-83-9	Bromomethane	0.0022	U	75-01-4	Vinyl Chloride	0.0022	U
75-15-0	Carbon Disulfide	0.0022	U	1330-20-7	Xylenes (Total)	0.0011	U

Worksheet #: 233746

Total Target Concentration 0.0056

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration use

Quantitation Report (QT Reviewed)

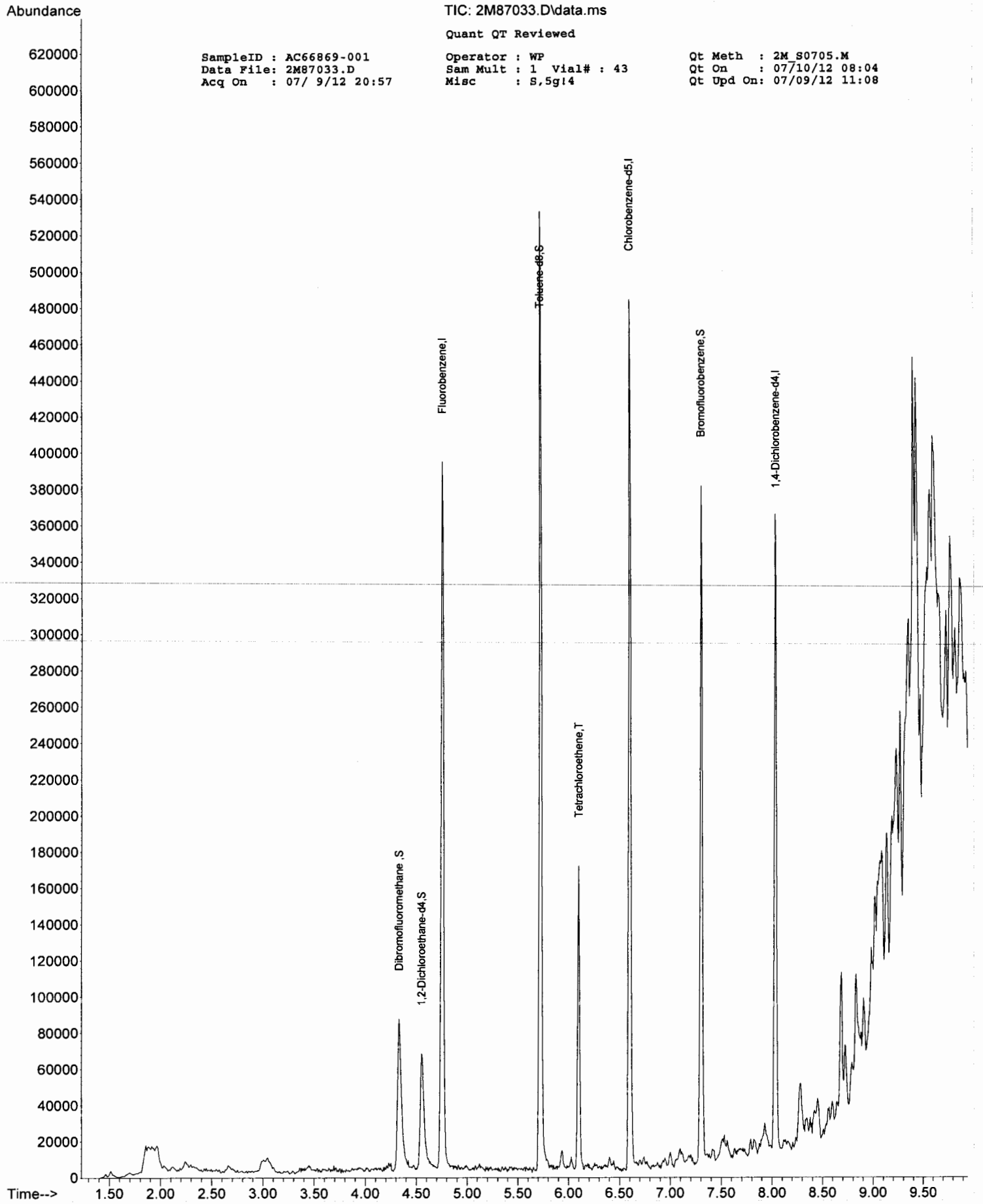
2070213 0053

SampleID : AC66869-001 Operator : WP Qt Meth : 2M_S0705.M
Data File: 2M87033.D Sam Mult : 1 Vial# : 43 Qt On : 07/10/12 08:04
Acq On : 07/ 9/12 20:57 Misc : S,5g!4 Qt Upd On: 07/09/12 11:08

Data Path : G:\GcMsData\2012\gcms_2\Data\07-09-12\
Qt Path : G:\GCMSDATA\2012\gcms_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.757	96	267549	30.00	ug/l	0.00
50) Chlorobenzene-d5	6.599	117	193368	30.00	ug/l	0.00
68) 1,4-Dichlorobenzene-d4	8.037	152	77572	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.330	111	66734	27.83	ug/l	0.01
Spiked Amount 30.000			Recovery = 92.77%			
38) 1,2-Dichloroethane-d4	4.552	67	32072	29.52	ug/l	0.01
Spiked Amount 30.000			Recovery = 98.40%			
64) Toluene-d8	5.720	98	274979	25.91	ug/l	0.00
Spiked Amount 30.000			Recovery = 86.37%			
74) Bromofluorobenzene	7.303	174	81779	31.75	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.83%			
Target Compounds						Qvalue
63) Tetrachloroethene	6.099	164	28448	5.1680	ug/l	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 2M87033.D\data.ms
Quant QT Reviewed
SampleID : AC66869-001
Data File: 2M87033.D
Acq On : 07/ 9/12 20:57
Operator : WP
Sam Mult : 1 Vial# : 43
Misc : S,5g!4
Qt Meth : 2M_S0705.M
Qt On : 07/10/12 08:04
Qt Upd On: 07/09/12 11:08
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Tetrachloroethene,T
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC66869-002
Client Id: RI-B1-B
Data File: 6M85771.D
Analysis Date: 07/09/12 17:56
Date Rec/Extracted: 07/02/12-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5.04g
Final Vol: NA
Dilution: 0.992
Solids: 88

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0023	U	56-23-5	Carbon Tetrachloride	0.0023	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0023	U	108-90-7	Chlorobenzene	0.0023	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0023	U	75-00-3	Chloroethane	0.0023	U
79-00-5	1,1,2-Trichloroethane	0.0023	U	67-66-3	Chloroform	0.0023	U
75-34-3	1,1-Dichloroethane	0.0023	U	74-87-3	Chloromethane	0.0023	U
75-35-4	1,1-Dichloroethene	0.0023	U	156-59-2	cis-1,2-Dichloroethene	0.0023	U
96-18-4	1,2,3-Trichloropropane	0.0023	U	10061-01-5	cis-1,3-Dichloropropene	0.0023	U
95-63-6	1,2,4-Trimethylbenzene	0.0011	U	124-48-1	Dibromochloromethane	0.0023	U
95-50-1	1,2-Dichlorobenzene	0.0023	U	75-71-8	Dichlorodifluoromethane	0.0023	U
107-06-2	1,2-Dichloroethane	0.0023	U	100-41-4	Ethylbenzene	0.0011	U
78-87-5	1,2-Dichloropropane	0.0023	U	98-82-8	Isopropylbenzene	0.0011	U
108-67-8	1,3,5-Trimethylbenzene	0.0011	U	136777612	m&p-Xylenes	0.0011	U
541-73-1	1,3-Dichlorobenzene	0.0023	U	75-09-2	Methylene Chloride	0.0023	U
142-28-9	1,3-Dichloropropane	0.0023	U	1634-04-4	Methyl-t-butyl ether	0.0011	U
106-46-7	1,4-Dichlorobenzene	0.0023	U	104-51-8	n-Butylbenzene	0.0011	U
123-91-1	1,4-Dioxane	0.11	U	103-65-1	n-Propylbenzene	0.0011	U
78-93-3	2-Butanone	0.0023	U	95-47-6	o-Xylene	0.0011	U
110-75-8	2-Chloroethylvinylether	0.0023	U	135-98-8	sec-Butylbenzene	0.0011	U
591-78-6	2-Hexanone	0.0023	U	100-42-5	Styrene	0.0023	U
99-87-6	4-Isopropyltoluene	0.0011	U	75-65-0	t-Butyl Alcohol	0.011	U
108-10-1	4-Methyl-2-Pentanone	0.0023	U	98-06-6	t-Butylbenzene	0.0011	U
67-64-1	Acetone	0.011	U	127-18-4	Tetrachloroethene	0.0023	U
107-02-8	Acrolein	0.011	U	108-88-3	Toluene	0.0011	U
107-13-1	Acrylonitrile	0.0056	U	156-60-5	trans-1,2-Dichloroethene	0.0023	U
71-43-2	Benzene	0.0011	U	10061-02-6	trans-1,3-Dichloropropene	0.0023	U
75-27-4	Bromodichloromethane	0.0023	U	79-01-6	Trichloroethene	0.0023	U
75-25-2	Bromoform	0.0023	U	75-69-4	Trichlorofluoromethane	0.0023	U
74-83-9	Bromomethane	0.0023	U	75-01-4	Vinyl Chloride	0.0023	U
75-15-0	Carbon Disulfide	0.0023	U	1330-20-7	Xylenes (Total)	0.0011	U

Worksheet #: 233746 ***Total Target Concentration*** 0 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration use

Quantitation Report (QT Reviewed)

2070213 0056

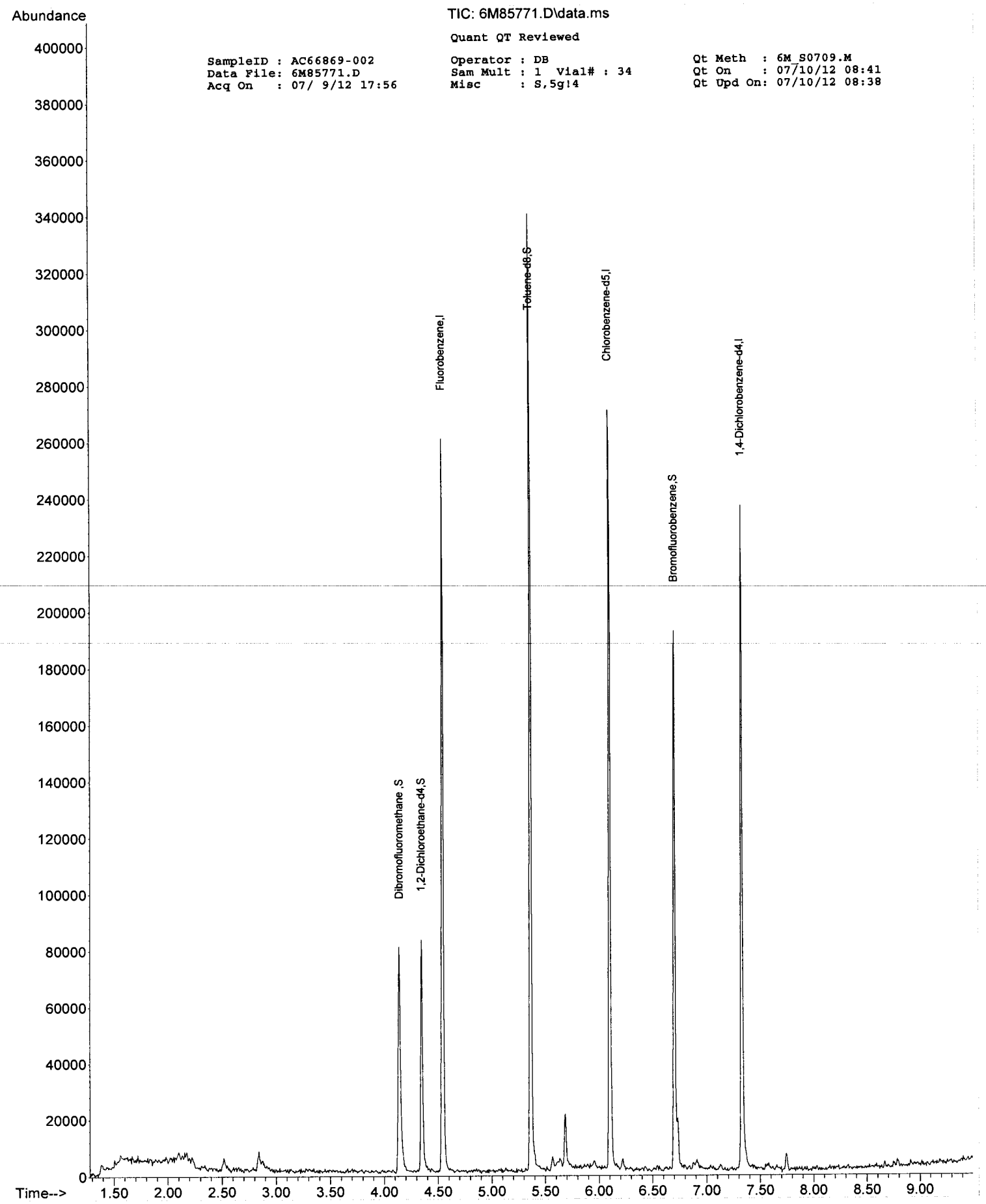
SampleID : AC66869-002 Operator : DB Qt Meth : 6M_S0709.M
Data File: 6M85771.D Sam Mult : 1 Vial# : 34 Qt On : 07/10/12 08:41
Acq On : 07/ 9/12 17:56 Misc : S,5g!4 Qt Upd On: 07/10/12 08:38

Data Path : G:\GcMsData\2012\gcms_6\Data\07-09-12\
Qt Path : G:\GCMSDATA\2012\gcms_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.544	96	120586	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.097	117	90726	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.330	152	45727	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.141	111	35990	36.67	ug/l	0.00
Spiked Amount 30.000			Recovery = 122.23%			
38) 1,2-Dichloroethane-d4	4.345	67	21235	39.30	ug/l	0.00
Spiked Amount 30.000			Recovery = 131.00%			
65) Toluene-d8	5.362	98	127539	26.06	ug/l	0.00
Spiked Amount 30.000			Recovery = 86.87%			
75) Bromofluorobenzene	6.705	174	39151	26.14	ug/l	0.00
Spiked Amount 30.000			Recovery = 87.13%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 6M85771.D\data.ms
Quant QT Reviewed
SampleID : AC66869-002
Data File: 6M85771.D
Acq On : 07/ 9/12 17:56
Operator : DB
Sam Mult : 1 Vial# : 34
Misc : S,5g!4
Qt Meth : 6M_S0709.M
Qt On : 07/10/12 08:41
Qt Upd On: 07/10/12 08:38
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC66869-003
Client Id: RI-B2-A
Data File: 6M85772.D
Analysis Date: 07/09/12 18:12
Date Rec/Extracted: 07/02/12-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5.06g
Final Vol: NA
Dilution: 0.988
Solids: 91

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0022	U	56-23-5	Carbon Tetrachloride	0.0022	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0022	U	108-90-7	Chlorobenzene	0.0022	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0022	U	75-00-3	Chloroethane	0.0022	U
79-00-5	1,1,2-Trichloroethane	0.0022	U	67-66-3	Chloroform	0.0022	U
75-34-3	1,1-Dichloroethane	0.0022	U	74-87-3	Chloromethane	0.0022	U
75-35-4	1,1-Dichloroethene	0.0022	U	156-59-2	cis-1,2-Dichloroethene	0.0022	U
96-18-4	1,2,3-Trichloropropane	0.0022	U	10061-01-5	cis-1,3-Dichloropropene	0.0022	U
95-63-6	1,2,4-Trimethylbenzene	0.0011	U	124-48-1	Dibromochloromethane	0.0022	U
95-50-1	1,2-Dichlorobenzene	0.0022	U	75-71-8	Dichlorodifluoromethane	0.0022	U
107-06-2	1,2-Dichloroethane	0.0022	U	100-41-4	Ethylbenzene	0.0011	U
78-87-5	1,2-Dichloropropane	0.0022	U	98-82-8	Isopropylbenzene	0.0011	U
108-67-8	1,3,5-Trimethylbenzene	0.0011	U	136777612	m&p-Xylenes	0.0011	U
541-73-1	1,3-Dichlorobenzene	0.0022	U	75-09-2	Methylene Chloride	0.0022	U
142-28-9	1,3-Dichloropropane	0.0022	U	1634-04-4	Methyl-t-butyl ether	0.0011	U
106-46-7	1,4-Dichlorobenzene	0.0022	U	104-51-8	n-Butylbenzene	0.0011	U
123-91-1	1,4-Dioxane	0.11	U	103-65-1	n-Propylbenzene	0.0011	U
78-93-3	2-Butanone	0.0022	U	95-47-6	o-Xylene	0.0011	U
110-75-8	2-Chloroethylvinylether	0.0022	U	135-98-8	sec-Butylbenzene	0.0011	U
591-78-6	2-Hexanone	0.0022	U	100-42-5	Styrene	0.0022	U
99-87-6	4-Isopropyltoluene	0.0011	U	75-65-0	t-Butyl Alcohol	0.011	U
108-10-1	4-Methyl-2-Pentanone	0.0022	U	98-06-6	t-Butylbenzene	0.0011	U
67-64-1	Acetone	0.011	U	**127-18-4**	**Tetrachloroethene**	**0.0022**	**0.0070**
107-02-8	Acrolein	0.011	U	108-88-3	Toluene	0.0011	U
107-13-1	Acrylonitrile	0.0054	U	156-60-5	trans-1,2-Dichloroethene	0.0022	U
71-43-2	Benzene	0.0011	U	10061-02-6	trans-1,3-Dichloropropene	0.0022	U
75-27-4	Bromodichloromethane	0.0022	U	79-01-6	Trichloroethene	0.0022	U
75-25-2	Bromoform	0.0022	U	75-69-4	Trichlorofluoromethane	0.0022	U
74-83-9	Bromomethane	0.0022	U	75-01-4	Vinyl Chloride	0.0022	U
75-15-0	Carbon Disulfide	0.0022	U	1330-20-7	Xylenes (Total)	0.0011	U

Worksheet #: 233746

Total Target Concentration 0.007

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

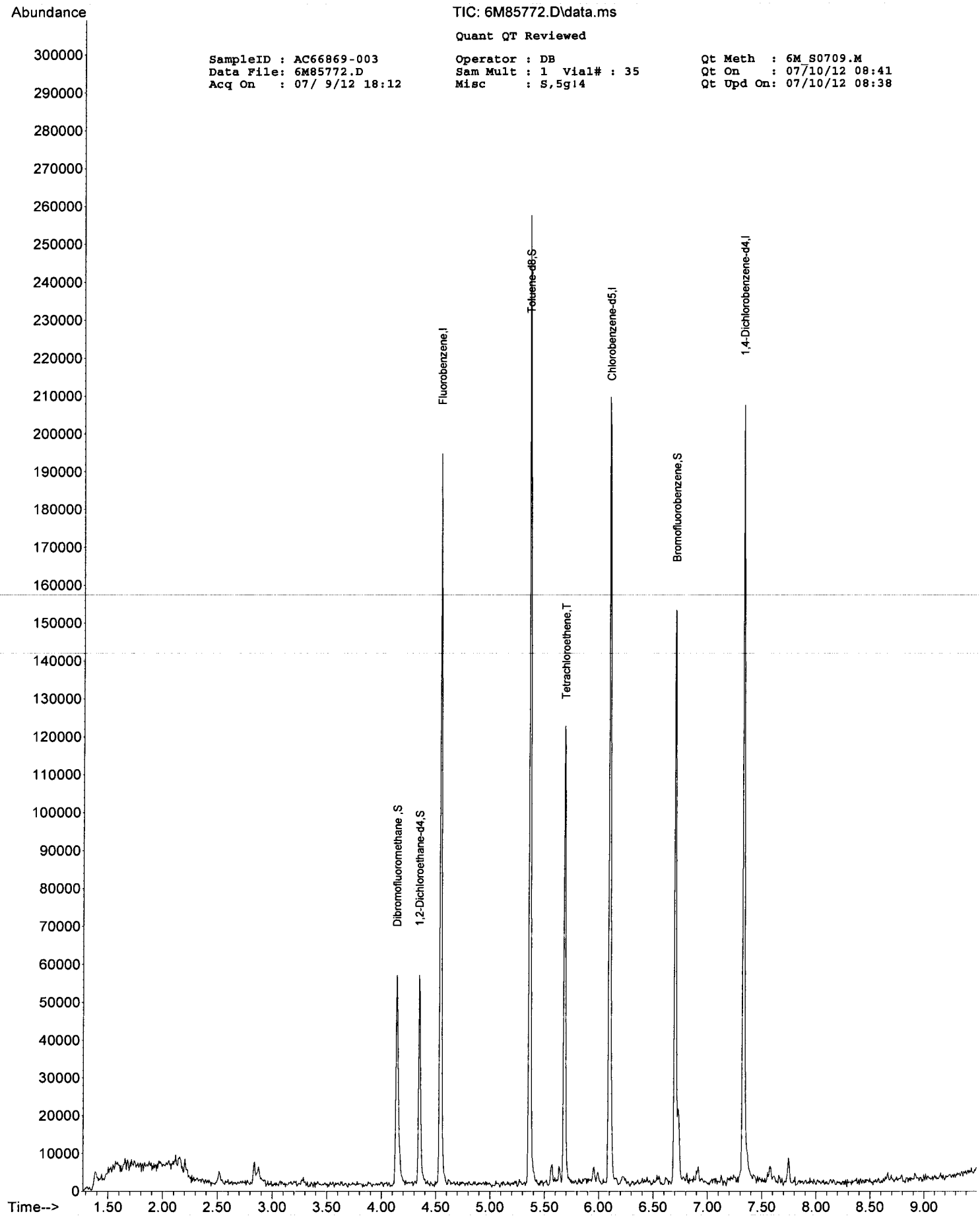
2070213 0059

SampleID : AC66869-003 Operator : DB Qt Meth : 6M_S0709.M
Data File: 6M85772.D Sam Mult : 1 Vial# : 35 Qt On : 07/10/12 08:41
Acq On : 07/ 9/12 18:12 Misc : S,5g!4 Qt Upd On: 07/10/12 08:38

Data Path : G:\GcMsData\2012\gcms_6\Data\07-09-12\
Qt Path : G:\GCMSDATA\2012\gcms_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.544	96	87761	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.103	117	70779	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.330	152	39949	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.141	111	27368	38.32	ug/l	0.00
Spiked Amount 30.000			Recovery = 127.73%			
38) 1,2-Dichloroethane-d4	4.345	67	13550	34.46	ug/l	0.00
Spiked Amount 30.000			Recovery = 114.87%			
65) Toluene-d8	5.362	98	96638	25.31	ug/l	0.00
Spiked Amount 30.000			Recovery = 84.37%			
75) Bromofluorobenzene	6.705	174	33135	25.33	ug/l	0.00
Spiked Amount 30.000			Recovery = 84.43%			
Target Compounds						Qvalue
64) Tetrachloroethene	5.687	164	19257	6.4079	ug/l	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 6M85772.D\data.ms
Quant QT Reviewed
SampleID : AC66869-003
Data File: 6M85772.D
Acq On : 07/ 9/12 18:12
Operator : DB
Sam Mult : 1 Vial# : 35
Misc : S,5g14
Qt Meth : 6M_S0709.M
Qt On : 07/10/12 08:41
Qt Upd On: 07/10/12 08:38
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Tetrachloroethene,T
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC66869-004(5X)
Client Id: RI-B2-B
Data File: 6M85777.D
Analysis Date: 07/09/12 19:32
Date Rec/Extracted: 07/02/12-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 1g
Final Vol: NA
Dilution: 5.00
Solids: 94

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.011	U	56-23-5	Carbon Tetrachloride	0.011	U
79-34-5	1,1,2,2-Tetrachloroethane	0.011	U	108-90-7	Chlorobenzene	0.011	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.011	U	75-00-3	Chloroethane	0.011	U
79-00-5	1,1,2-Trichloroethane	0.011	U	67-66-3	Chloroform	0.011	U
75-34-3	1,1-Dichloroethane	0.011	U	74-87-3	Chloromethane	0.011	U
75-35-4	1,1-Dichloroethene	0.011	U	156-59-2	cis-1,2-Dichloroethene	0.011	U
96-18-4	1,2,3-Trichloropropane	0.011	U	10061-01-5	cis-1,3-Dichloropropene	0.011	U
95-63-6	**1,2,4-Trimethylbenzene**	**0.0053**	**0.049**	124-48-1	Dibromochloromethane	0.011	U
95-50-1	1,2-Dichlorobenzene	0.011	U	75-71-8	Dichlorodifluoromethane	0.011	U
107-06-2	1,2-Dichloroethane	0.011	U	100-41-4	Ethylbenzene	0.0053	U
78-87-5	1,2-Dichloropropane	0.011	U	**98-82-8**	**Isopropylbenzene**	**0.0053**	**0.0079**
108-67-8	**1,3,5-Trimethylbenzene**	**0.0053**	**0.021**	136777612	m&p-Xylenes	0.0053	U
541-73-1	1,3-Dichlorobenzene	0.011	U	75-09-2	Methylene Chloride	0.011	U
142-28-9	1,3-Dichloropropane	0.011	U	1634-04-4	Methyl-t-butyl ether	0.0053	U
106-46-7	1,4-Dichlorobenzene	0.011	U	**104-51-8**	**n-Butylbenzene**	**0.0053**	**0.18**
123-91-1	1,4-Dioxane	0.53	U	**103-65-1**	**n-Propylbenzene**	**0.0053**	**0.028**
78-93-3	2-Butanone	0.011	U	95-47-6	o-Xylene	0.0053	U
110-75-8	2-Chloroethylvinylether	0.011	U	**135-98-8**	**sec-Butylbenzene**	**0.0053**	**0.076**
591-78-6	2-Hexanone	0.011	U	100-42-5	Styrene	0.011	U
99-87-6	**4-Isopropyltoluene**	**0.0053**	**0.026**	75-65-0	t-Butyl Alcohol	0.053	U
108-10-1	4-Methyl-2-Pentanone	0.011	U	**98-06-6**	**t-Butylbenzene**	**0.0053**	**0.0067**
67-64-1	**Acetone**	**0.053**	**0.14**	127-18-4	Tetrachloroethene	0.011	U
107-02-8	Acrolein	0.053	U	108-88-3	Toluene	0.0053	U
107-13-1	Acrylonitrile	0.027	U	156-60-5	trans-1,2-Dichloroethene	0.011	U
71-43-2	Benzene	0.0053	U	10061-02-6	trans-1,3-Dichloropropene	0.011	U
75-27-4	Bromodichloromethane	0.011	U	79-01-6	Trichloroethene	0.011	U
75-25-2	Bromoform	0.011	U	75-69-4	Trichlorofluoromethane	0.011	U
74-83-9	Bromomethane	0.011	U	75-01-4	Vinyl Chloride	0.011	U
75-15-0	Carbon Disulfide	0.011	U	1330-20-7	Xylenes (Total)	0.0053	U

Worksheet #: 233746

Total Target Concentration 0.53

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

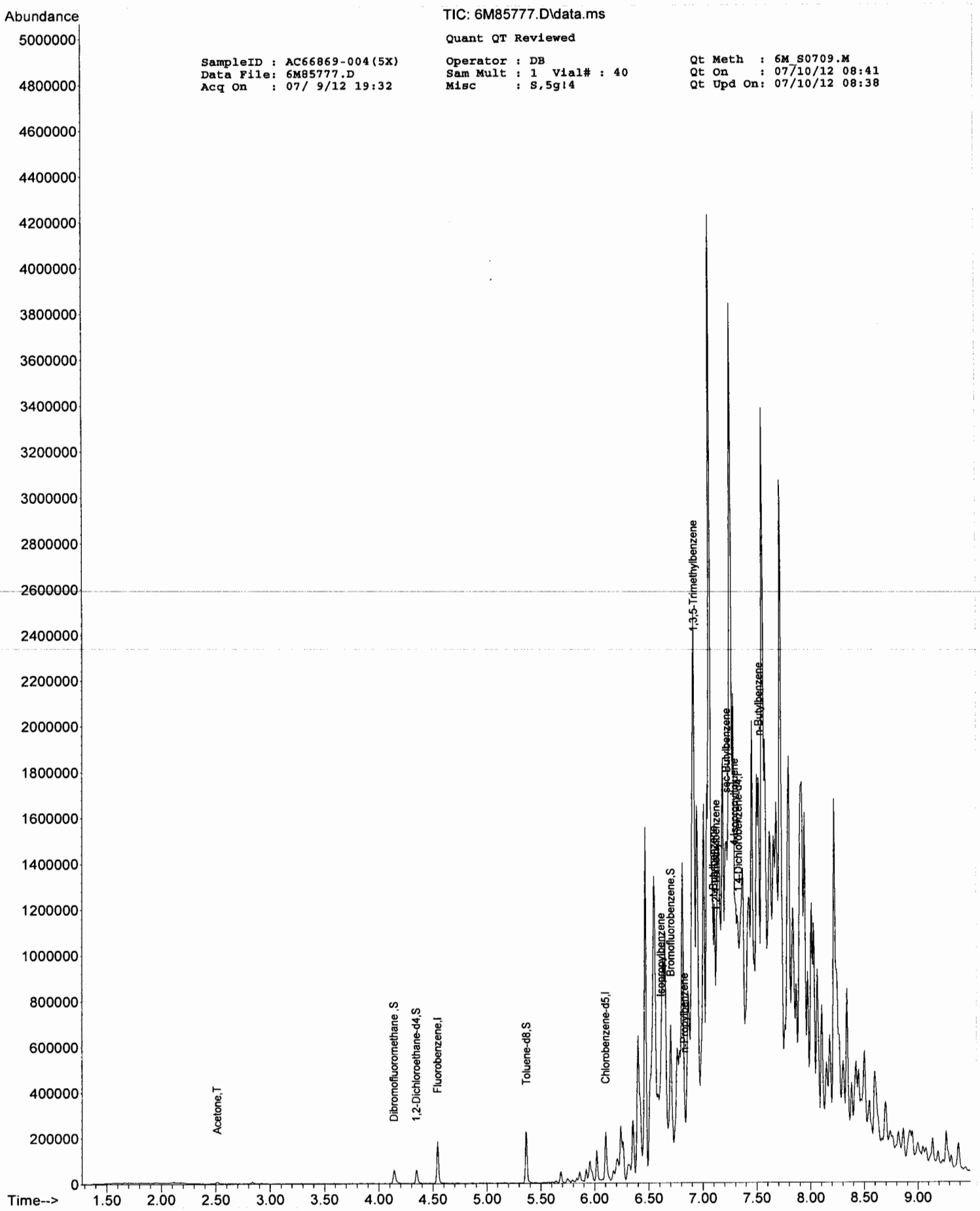
2070213 0062

SampleID : AC66869-004(5X) Operator : DB Qt Meth : 6M_S0709.M
Data File: 6M85777.D Sam Mult : 1 Vial# : 40 Qt On : 07/10/12 08:41
Acq On : 07/ 9/12 19:32 Misc : S,5g!4 Qt Upd On: 07/10/12 08:38

Data Path : G:\GcMsData\2012\gcms_6\Data\07-09-12\
Qt Path : G:\GCMSDATA\2012\gcms_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.544	96	84676	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.103	117	67264	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.330	152	53004	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.140	111	26383	38.28	ug/l	0.00
Spiked Amount 30.000			Recovery = 127.60%			
38) 1,2-Dichloroethane-d4	4.345	67	14253	37.57	ug/l	0.00
Spiked Amount 30.000			Recovery = 125.23%			
65) Toluene-d8	5.368	98	88677	24.44	ug/l	0.01
Spiked Amount 30.000			Recovery = 81.47%			
75) Bromofluorobenzene	6.704	174	34668	19.97	ug/l	0.00
Spiked Amount 30.000			Recovery = 66.57%			
Target Compounds						Qvalue
19) Acetone	2.515	43	7776	26.5337	ug/l	98
83) Isopropylbenzene	6.614	105	17001	1.4876	ug/l	75
90) n-Propylbenzene	6.831	91	72775	5.3162	ug/l	98
92) 1,3,5-Trimethylbenzene	6.921	105	32585	3.8767	ug/l	98
94) t-Butylbenzene	7.102	119	10695	1.2670	ug/l	82
95) 1,2,4-Trimethylbenzene	7.126	105	80945	9.1360	ug/l	97
96) sec-Butylbenzene	7.222	105	196805	14.3128	ug/l	73
97) 4-Isopropyltoluene	7.294	119	49740	4.8219	ug/l	97
98) n-Butylbenzene	7.523	91	405274	33.5411	ug/l	81

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 6M85777.D\data.ms
Quant QT Reviewed
SampleID : AC66869-004(5X)
Data File: 6M85777.D
Acq On : 07/ 9/12 19:32
Operator : DB
Sam Mult : 1 Vial# : 40
Misc : S,5g!4
Qt Meth : 6M_S0709.M
Qt On : 07/10/12 08:41
Qt Upd On: 07/10/12 08:38
Acetone,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Isopropylbenzene
Bromofluorobenzene,S
n-Propylbenzene
1,3,5-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
n-Butylbenzene
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC66869-005
Client Id: RI-B3-A
Data File: 6M85773.D
Analysis Date: 07/09/12 18:28
Date Rec/Extracted: 07/02/12-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5.09g
Final Vol: NA
Dilution: 0.982
Solids: 92

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0021	U	56-23-5	Carbon Tetrachloride	0.0021	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0021	U	108-90-7	Chlorobenzene	0.0021	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0021	U	75-00-3	Chloroethane	0.0021	U
79-00-5	1,1,2-Trichloroethane	0.0021	U	67-66-3	Chloroform	0.0021	U
75-34-3	1,1-Dichloroethane	0.0021	U	74-87-3	Chloromethane	0.0021	U
75-35-4	1,1-Dichloroethene	0.0021	U	156-59-2	cis-1,2-Dichloroethene	0.0021	U
96-18-4	1,2,3-Trichloropropane	0.0021	U	10061-01-5	cis-1,3-Dichloropropene	0.0021	U
95-63-6	1,2,4-Trimethylbenzene	0.0011	U	124-48-1	Dibromochloromethane	0.0021	U
95-50-1	1,2-Dichlorobenzene	0.0021	U	75-71-8	Dichlorodifluoromethane	0.0021	U
107-06-2	1,2-Dichloroethane	0.0021	U	100-41-4	Ethylbenzene	0.0011	U
78-87-5	1,2-Dichloropropane	0.0021	U	98-82-8	Isopropylbenzene	0.0011	U
108-67-8	1,3,5-Trimethylbenzene	0.0011	U	136777612	m&p-Xylenes	0.0011	U
541-73-1	1,3-Dichlorobenzene	0.0021	U	75-09-2	Methylene Chloride	0.0021	U
142-28-9	1,3-Dichloropropane	0.0021	U	1634-04-4	Methyl-t-butyl ether	0.0011	U
106-46-7	1,4-Dichlorobenzene	0.0021	U	104-51-8	n-Butylbenzene	0.0011	U
123-91-1	1,4-Dioxane	0.11	U	103-65-1	n-Propylbenzene	0.0011	U
78-93-3	2-Butanone	0.0021	U	95-47-6	o-Xylene	0.0011	U
110-75-8	2-Chloroethylvinylether	0.0021	U	135-98-8	sec-Butylbenzene	0.0011	U
591-78-6	2-Hexanone	0.0021	U	100-42-5	Styrene	0.0021	U
99-87-6	4-Isopropyltoluene	0.0011	U	75-65-0	t-Butyl Alcohol	0.011	U
108-10-1	4-Methyl-2-Pentanone	0.0021	U	98-06-6	t-Butylbenzene	0.0011	U
67-64-1	Acetone	0.011	U	**127-18-4**	**Tetrachloroethene**	**0.0021**	**0.0056**
107-02-8	Acrolein	0.011	U	108-88-3	Toluene	0.0011	U
107-13-1	Acrylonitrile	0.0053	U	156-60-5	trans-1,2-Dichloroethene	0.0021	U
71-43-2	Benzene	0.0011	U	10061-02-6	trans-1,3-Dichloropropene	0.0021	U
75-27-4	Bromodichloromethane	0.0021	U	79-01-6	Trichloroethene	0.0021	U
75-25-2	Bromoform	0.0021	U	75-69-4	Trichlorofluoromethane	0.0021	U
74-83-9	Bromomethane	0.0021	U	75-01-4	Vinyl Chloride	0.0021	U
75-15-0	Carbon Disulfide	0.0021	U	1330-20-7	Xylenes (Total)	0.0011	U

Worksheet #: 233746

Total Target Concentration 0.0056

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration use

Quantitation Report (QT Reviewed)

2070213 0065

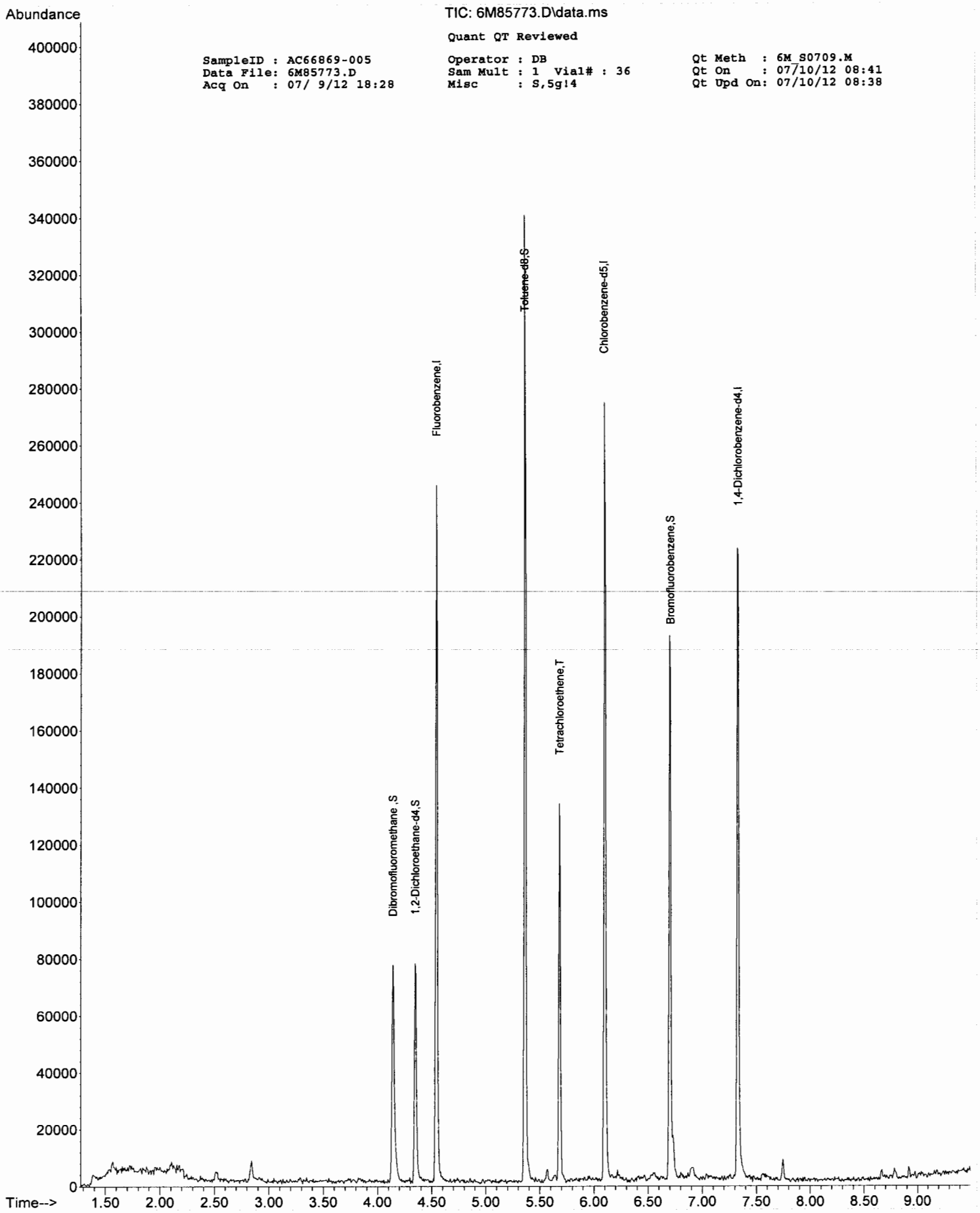
SampleID : AC66869-005 Operator : DB Qt Meth : 6M_S0709.M
Data File: 6M85773.D Sam Mult : 1 Vial# : 36 Qt On : 07/10/12 08:41
Acq On : 07/ 9/12 18:28 Misc : S,5g!4 Qt Upd On: 07/10/12 08:38

Data Path : G:\GcMsData\2012\gcms_6\Data\07-09-12\
Qt Path : G:\GCMSDATA\2012\gcms_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.545	96	113788	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.097	117	89296	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.331	152	45594	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.141	111	36454	39.36	ug/l	0.00
Spiked Amount 30.000			Recovery = 131.20%			
38) 1,2-Dichloroethane-d4	4.346	67	19303	37.86	ug/l	0.00
Spiked Amount 30.000			Recovery = 126.20%			
65) Toluene-d8	5.363	98	124774	25.91	ug/l	0.00
Spiked Amount 30.000			Recovery = 86.37%			
75) Bromofluorobenzene	6.705	174	40830	27.35	ug/l	0.00
Spiked Amount 30.000			Recovery = 91.17%			
Target Compounds						Qvalue
64) Tetrachloroethene	5.682	164	20011	5.2780	ug/l	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

116


Abundance
TIC: 6M85773.D\data.ms
Quant QT Reviewed
SampleID : AC66869-005
Data File: 6M85773.D
Acq On : 07/ 9/12 18:28
Operator : DB
Sam Mult : 1 Vial# : 36
Misc : S,5g!4
Qt Meth : 6M_S0709.M
Qt On : 07/10/12 08:41
Qt Upd On: 07/10/12 08:38
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Tetrachloroethene,T
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC66869-006
Client Id: RI-B3-B
Data File: 6M85774.D
Analysis Date: 07/09/12 18:44
Date Rec/Extracted: 07/02/12-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5.1g
Final Vol: NA
Dilution: 0.980
Solids: 90

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0022	U	56-23-5	Carbon Tetrachloride	0.0022	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0022	U	108-90-7	Chlorobenzene	0.0022	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0022	U	75-00-3	Chloroethane	0.0022	U
79-00-5	1,1,2-Trichloroethane	0.0022	U	67-66-3	Chloroform	0.0022	U
75-34-3	1,1-Dichloroethane	0.0022	U	74-87-3	Chloromethane	0.0022	U
75-35-4	1,1-Dichloroethene	0.0022	U	156-59-2	cis-1,2-Dichloroethene	0.0022	U
96-18-4	1,2,3-Trichloropropane	0.0022	U	10061-01-5	cis-1,3-Dichloropropene	0.0022	U
95-63-6	1,2,4-Trimethylbenzene	0.0011	U	124-48-1	Dibromochloromethane	0.0022	U
95-50-1	1,2-Dichlorobenzene	0.0022	U	75-71-8	Dichlorodifluoromethane	0.0022	U
107-06-2	1,2-Dichloroethane	0.0022	U	100-41-4	Ethylbenzene	0.0011	U
78-87-5	1,2-Dichloropropane	0.0022	U	98-82-8	Isopropylbenzene	0.0011	U
108-67-8	1,3,5-Trimethylbenzene	0.0011	U	136777612	m&p-Xylenes	0.0011	U
541-73-1	1,3-Dichlorobenzene	0.0022	U	75-09-2	Methylene Chloride	0.0022	U
142-28-9	1,3-Dichloropropane	0.0022	U	1634-04-4	Methyl-t-butyl ether	0.0011	U
106-46-7	1,4-Dichlorobenzene	0.0022	U	104-51-8	n-Butylbenzene	0.0011	U
123-91-1	1,4-Dioxane	0.11	U	103-65-1	n-Propylbenzene	0.0011	U
78-93-3	2-Butanone	0.0022	U	95-47-6	o-Xylene	0.0011	U
110-75-8	2-Chloroethylvinylether	0.0022	U	135-98-8	sec-Butylbenzene	0.0011	U
591-78-6	2-Hexanone	0.0022	U	100-42-5	Styrene	0.0022	U
99-87-6	4-Isopropyltoluene	0.0011	U	75-65-0	t-Butyl Alcohol	0.011	U
108-10-1	4-Methyl-2-Pentanone	0.0022	U	98-06-6	t-Butylbenzene	0.0011	U
67-64-1	Acetone	0.011	U	**127-18-4**	**Tetrachloroethene**	**0.0022**	**0.0079**
107-02-8	Acrolein	0.011	U	108-88-3	Toluene	0.0011	U
107-13-1	Acrylonitrile	0.0054	U	156-60-5	trans-1,2-Dichloroethene	0.0022	U
71-43-2	Benzene	0.0011	U	10061-02-6	trans-1,3-Dichloropropene	0.0022	U
75-27-4	Bromodichloromethane	0.0022	U	79-01-6	Trichloroethene	0.0022	U
75-25-2	Bromoform	0.0022	U	75-69-4	Trichlorofluoromethane	0.0022	U
74-83-9	Bromomethane	0.0022	U	75-01-4	Vinyl Chloride	0.0022	U
75-15-0	Carbon Disulfide	0.0022	U	1330-20-7	Xylenes (Total)	0.0011	U

Worksheet #: 233746

Total Target Concentration 0.0079

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

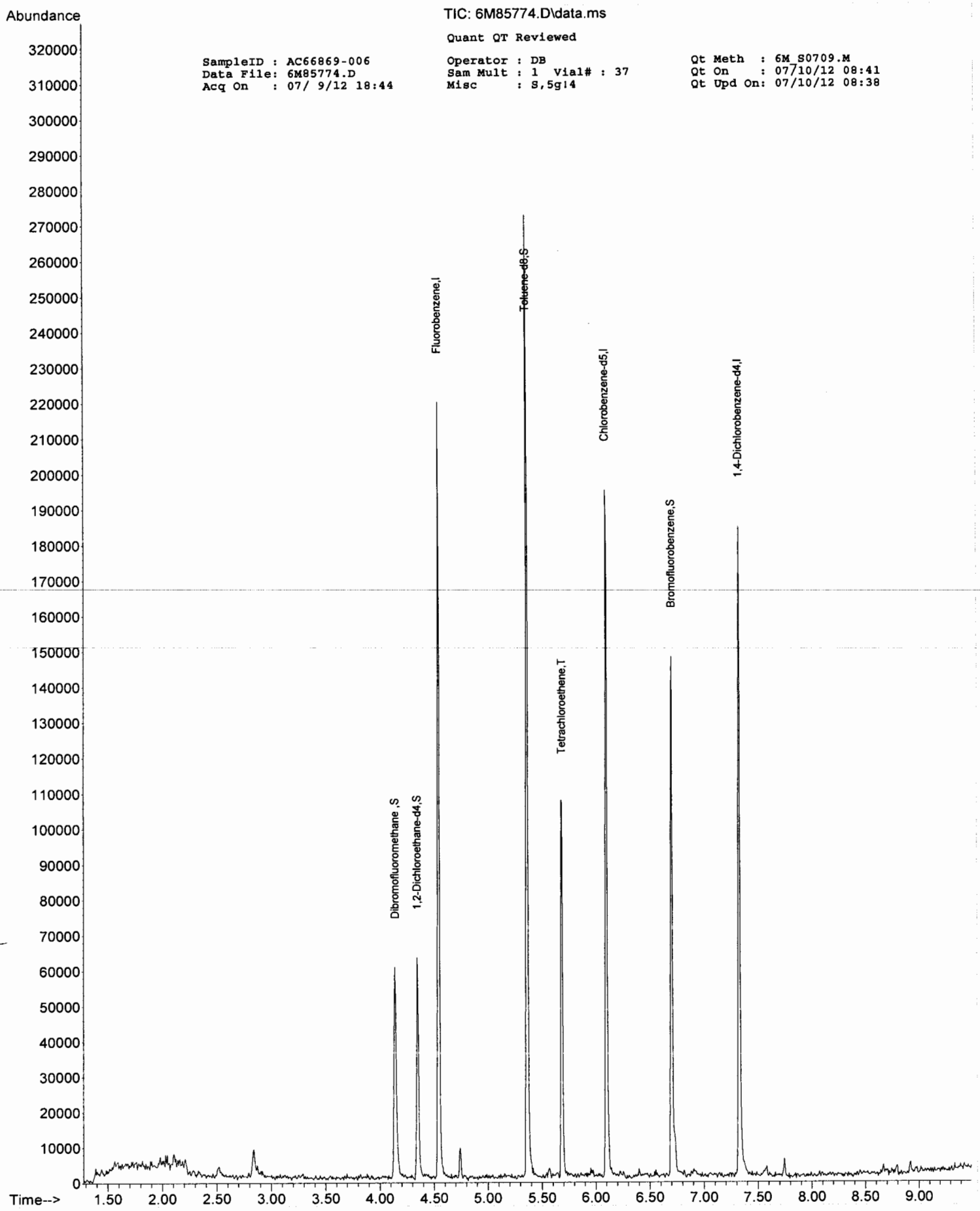
2070213 0068

SampleID : AC66869-006 Operator : DB Qt Meth : 6M_S0709.M
Data File: 6M85774.D Sam Mult : 1 Vial# : 37 Qt On : 07/10/12 08:41
Acq On : 07/ 9/12 18:44 Misc : S,5g!4 Qt Upd On: 07/10/12 08:38

Data Path : G:\GcMsData\2012\gcms_6\Data\07-09-12\
Qt Path : G:\GCMSDATA\2012\gcms_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.543	96	99651	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.096	117	59372	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.330	152	36432	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.140	111	27209	33.55	ug/l	0.00
Spiked Amount 30.000			Recovery = 111.83%			
38) 1,2-Dichloroethane-d4	4.345	67	14196	31.79	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.97%			
65) Toluene-d8	5.362	98	101243	31.61	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.37%			
75) Bromofluorobenzene	6.704	174	32282	27.06	ug/l	0.00
Spiked Amount 30.000			Recovery = 90.20%			
Target Compounds						Qvalue
64) Tetrachloroethene	5.687	164	18206	7.2221	ug/l	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 6M85774.D\data.ms
Quant QT Reviewed
SampleID : AC66869-006
Data File: 6M85774.D
Acq On : 07/ 9/12 18:44
Operator : DB
Sam Mult : 1 Vial# : 37
Misc : S,5g!4
Qt Meth : 6M_S0709.M
Qt On : 07/10/12 08:41
Qt Upd On: 07/10/12 08:38
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Tetrachloroethene,T
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC66869-007(5X)
Client Id: RI-B2-C
Data File: 6M85776.D
Analysis Date: 07/09/12 19:16
Date Rec/Extracted: 07/02/12-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 1.02g
Final Vol: NA
Dilution: 4.90
Solids: 94

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.010	U	56-23-5	Carbon Tetrachloride	0.010	U
79-34-5	1,1,2,2-Tetrachloroethane	0.010	U	108-90-7	Chlorobenzene	0.010	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.010	U	75-00-3	Chloroethane	0.010	U
79-00-5	1,1,2-Trichloroethane	0.010	U	67-66-3	Chloroform	0.010	U
75-34-3	1,1-Dichloroethane	0.010	U	74-87-3	Chloromethane	0.010	U
75-35-4	1,1-Dichloroethene	0.010	U	156-59-2	cis-1,2-Dichloroethene	0.010	U
96-18-4	1,2,3-Trichloropropane	0.010	U	10061-01-5	cis-1,3-Dichloropropene	0.010	U
95-63-6	1,2,4-Trimethylbenzene	0.0052	U	124-48-1	Dibromochloromethane	0.010	U
95-50-1	1,2-Dichlorobenzene	0.010	U	75-71-8	Dichlorodifluoromethane	0.010	U
107-06-2	1,2-Dichloroethane	0.010	U	100-41-4	Ethylbenzene	0.0052	U
78-87-5	1,2-Dichloropropane	0.010	U	98-82-8	Isopropylbenzene	0.0052	U
108-67-8	1,3,5-Trimethylbenzene	0.0052	U	136777612	m&p-Xylenes	0.0052	U
541-73-1	1,3-Dichlorobenzene	0.010	U	75-09-2	Methylene Chloride	0.010	U
142-28-9	1,3-Dichloropropane	0.010	U	1634-04-4	Methyl-t-butyl ether	0.0052	U
106-46-7	1,4-Dichlorobenzene	0.010	U	**104-51-8**	**n-Butylbenzene**	**0.0052**	**0.037**
123-91-1	1,4-Dioxane	0.52	U	**103-65-1**	**n-Propylbenzene**	**0.0052**	**0.0058**
78-93-3	2-Butanone	0.010	U	95-47-6	o-Xylene	0.0052	U
110-75-8	2-Chloroethylvinylether	0.010	U	**135-98-8**	**sec-Butylbenzene**	**0.0052**	**0.016**
591-78-6	2-Hexanone	0.010	U	100-42-5	Styrene	0.010	U
99-87-6	4-Isopropyltoluene	0.0052	U	75-65-0	t-Butyl Alcohol	0.052	U
108-10-1	4-Methyl-2-Pentanone	0.010	U	98-06-6	t-Butylbenzene	0.0052	U
67-64-1	**Acetone**	**0.052**	**0.13**	127-18-4	Tetrachloroethene	0.010	U
107-02-8	Acrolein	0.052	U	108-88-3	Toluene	0.0052	U
107-13-1	Acrylonitrile	0.026	U	156-60-5	trans-1,2-Dichloroethene	0.010	U
71-43-2	Benzene	0.0052	U	10061-02-6	trans-1,3-Dichloropropene	0.010	U
75-27-4	Bromodichloromethane	0.010	U	79-01-6	Trichloroethene	0.010	U
75-25-2	Bromoform	0.010	U	75-69-4	Trichlorofluoromethane	0.010	U
74-83-9	Bromomethane	0.010	U	75-01-4	Vinyl Chloride	0.010	U
75-15-0	Carbon Disulfide	0.010	U	1330-20-7	Xylenes (Total)	0.0052	U

Worksheet #: 233746 *Total Target Concentration* 0.19 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration use

Quantitation Report (QT Reviewed)

SampleID : AC66869-007(5X) Operator : DB Qt Meth : 6M_S0709.M
Data File: 6M85776.D Sam Mult : 1 Vial# : 39 Qt On : 07/10/12 08:41
Acq On : 07/ 9/12 19:16 Misc : S,5g!4 Qt Upd On: 07/10/12 08:38

Data Path : G:\GcMsData\2012\gcms_6\Data\07-09-12\
Qt Path : G:\GCMSDATA\2012\gcms_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.543	96	104977	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.101	117	65151	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.329	152	49294	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.139	111	30285	35.45	ug/l	0.00
Spiked Amount 30.000			Recovery	=	118.17%	
38) 1,2-Dichloroethane-d4	4.350	67	16096	34.22	ug/l	0.01
Spiked Amount 30.000			Recovery	=	114.07%	
65) Toluene-d8	5.361	98	111503	31.73	ug/l	0.00
Spiked Amount 30.000			Recovery	=	105.77%	
75) Bromofluorobenzene	6.703	174	39402	24.41	ug/l	0.00
Spiked Amount 30.000			Recovery	=	81.37%	
Target Compounds						Qvalue
19) Acetone	2.520	43	9341	25.7099	ug/l	93
90) n-Propylbenzene	6.830	91	14088	1.1066	ug/l	99
96) sec-Butylbenzene	7.221	105	38945	3.0455	ug/l	63
98) n-Butylbenzene	7.516	91	78950	7.0258	ug/l	85

(#) = qualifier out of range (m) = manual integration (+) = signals summed

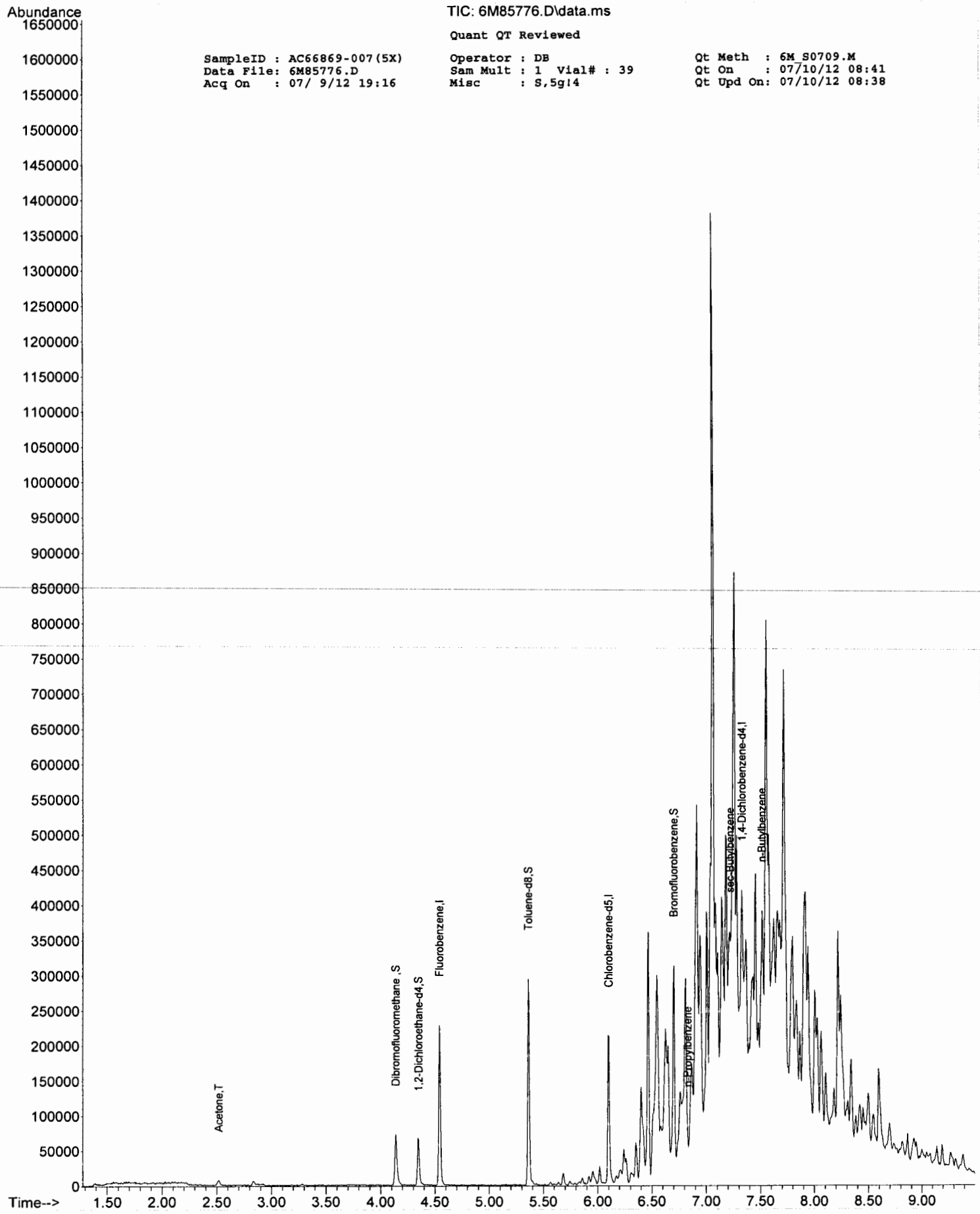
TIC: 6M85776.D\data.ms

Quant QT Reviewed

SampleID : AC66869-007(5X)
Data File: 6M85776.D
Acq On : 07/ 9/12 19:16

Operator : DB
Sam Mult : 1 Vial# : 39
Misc : S,5g|4

Qt Meth : 6M_S0709.M
Qt On : 07/10/12 08:41
Qt Upd On: 07/10/12 08:38



Form1

ORGANICS VOLATILE REPORT

Sample Number: AC66869-008
Client Id: RI-B3-A (DUP)
Data File: 6M85775.D
Analysis Date: 07/09/12 19:00
Date Rec/Extracted: 07/02/12-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5.14g
Final Vol: NA
Dilution: 0.973
Solids: 91

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0021	U	56-23-5	Carbon Tetrachloride	0.0021	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0021	U	108-90-7	Chlorobenzene	0.0021	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0021	U	75-00-3	Chloroethane	0.0021	U
79-00-5	1,1,2-Trichloroethane	0.0021	U	67-66-3	Chloroform	0.0021	U
75-34-3	1,1-Dichloroethane	0.0021	U	74-87-3	Chloromethane	0.0021	U
75-35-4	1,1-Dichloroethene	0.0021	U	156-59-2	cis-1,2-Dichloroethene	0.0021	U
96-18-4	1,2,3-Trichloropropane	0.0021	U	10061-01-5	cis-1,3-Dichloropropene	0.0021	U
95-63-6	1,2,4-Trimethylbenzene	0.0011	U	124-48-1	Dibromochloromethane	0.0021	U
95-50-1	1,2-Dichlorobenzene	0.0021	U	75-71-8	Dichlorodifluoromethane	0.0021	U
107-06-2	1,2-Dichloroethane	0.0021	U	100-41-4	Ethylbenzene	0.0011	U
78-87-5	1,2-Dichloropropane	0.0021	U	98-82-8	Isopropylbenzene	0.0011	U
108-67-8	1,3,5-Trimethylbenzene	0.0011	U	136777612	m&p-Xylenes	0.0011	U
541-73-1	1,3-Dichlorobenzene	0.0021	U	75-09-2	Methylene Chloride	0.0021	U
142-28-9	1,3-Dichloropropane	0.0021	U	1634-04-4	Methyl-t-butyl ether	0.0011	U
106-46-7	1,4-Dichlorobenzene	0.0021	U	104-51-8	n-Butylbenzene	0.0011	U
123-91-1	1,4-Dioxane	0.11	U	103-65-1	n-Propylbenzene	0.0011	U
78-93-3	2-Butanone	0.0021	U	95-47-6	o-Xylene	0.0011	U
110-75-8	2-Chloroethylvinylether	0.0021	U	135-98-8	sec-Butylbenzene	0.0011	U
591-78-6	2-Hexanone	0.0021	U	100-42-5	Styrene	0.0021	U
99-87-6	4-Isopropyltoluene	0.0011	U	75-65-0	t-Butyl Alcohol	0.011	U
108-10-1	4-Methyl-2-Pentanone	0.0021	U	98-06-6	t-Butylbenzene	0.0011	U
67-64-1	Acetone	0.011	U	**127-18-4**	**Tetrachloroethene**	**0.0021**	**0.0052**
107-02-8	Acrolein	0.011	U	108-88-3	Toluene	0.0011	U
107-13-1	Acrylonitrile	0.0053	U	156-60-5	trans-1,2-Dichloroethene	0.0021	U
71-43-2	Benzene	0.0011	U	10061-02-6	trans-1,3-Dichloropropene	0.0021	U
75-27-4	Bromodichloromethane	0.0021	U	79-01-6	Trichloroethene	0.0021	U
75-25-2	Bromoform	0.0021	U	75-69-4	Trichlorofluoromethane	0.0021	U
74-83-9	Bromomethane	0.0021	U	75-01-4	Vinyl Chloride	0.0021	U
75-15-0	Carbon Disulfide	0.0021	U	1330-20-7	Xylenes (Total)	0.0011	U

Worksheet #: 233746

Total Target Concentration 0.0052

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration use

Quantitation Report (QT Reviewed)

2070213 0074

SampleID : AC66869-008 Operator : DB Qt Meth : 6M_S0709.M
Data File: 6M85775.D Sam Mult : 1 Vial# : 38 Qt On : 07/10/12 08:41
Acq On : 07/ 9/12 19:00 Misc : S,5g!4 Qt Upd On: 07/10/12 08:38

Data Path : G:\GcMsData\2012\gcms_6\Data\07-09-12\
Qt Path : G:\GCMSDATA\2012\gcms_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.544	96	93896	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.097	117	73706	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.331	152	38751	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.141	111	31471	41.18	ug/l	0.00
Spiked Amount 30.000			Recovery = 137.27%			
38) 1,2-Dichloroethane-d4	4.346	67	16029	38.10	ug/l	0.00
Spiked Amount 30.000			Recovery = 127.00%			
65) Toluene-d8	5.363	98	109314	27.50	ug/l	0.00
Spiked Amount 30.000			Recovery = 91.67%			
75) Bromofluorobenzene	6.705	174	34298	27.03	ug/l	0.00
Spiked Amount 30.000			Recovery = 90.10%			
Target Compounds						Qvalue
64) Tetrachloroethene	5.682	164	15330	4.8986	ug/l	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

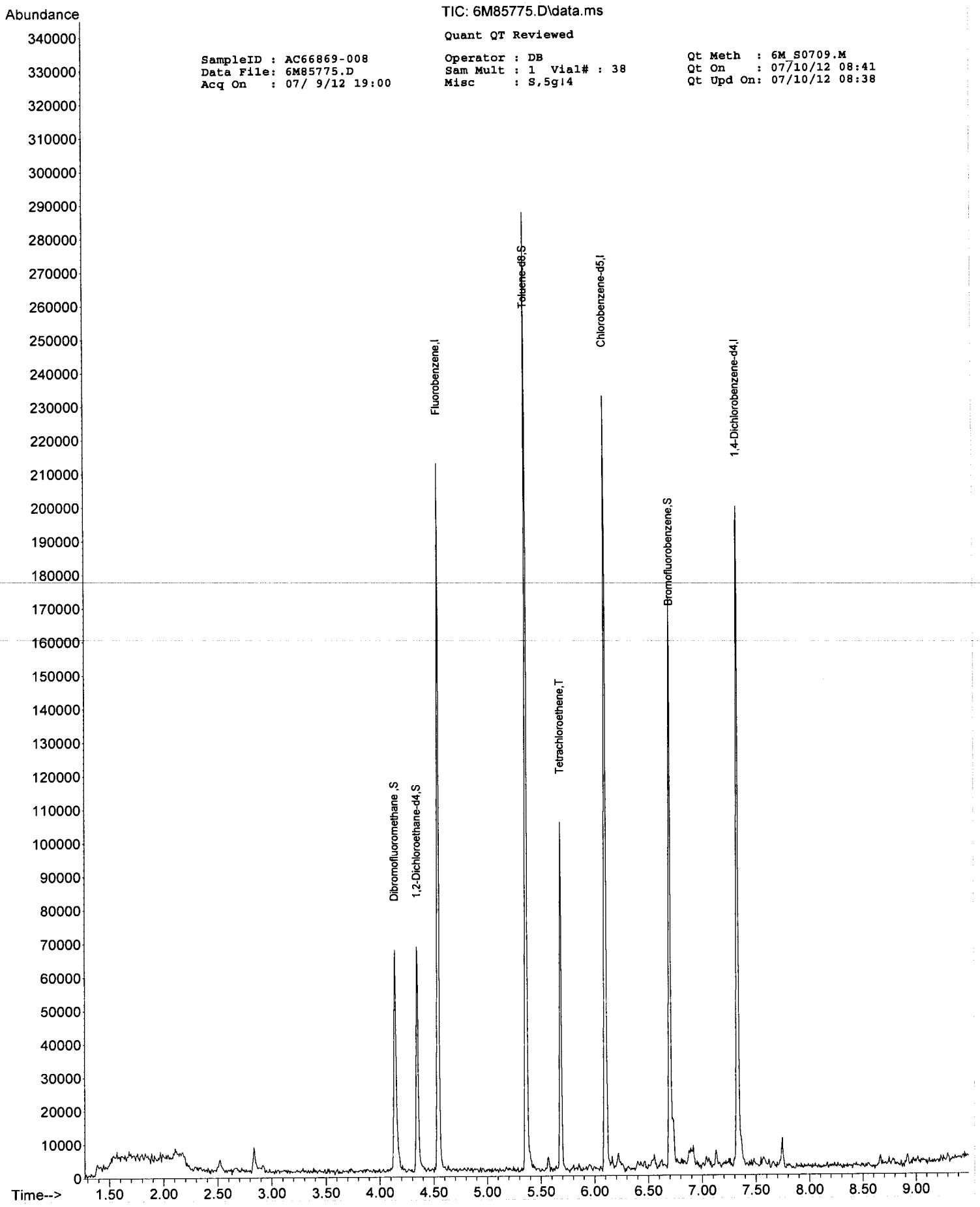
TIC: 6M85775.D\data.ms

Quant QT Reviewed

SampleID : AC66869-008
Data File: 6M85775.D
Acq On : 07/ 9/12 19:00

Operator : DB
Sam Mult : 1 Vial# : 38
Misc : S,5g|4

Qt Meth : 6M_S0709.M
Qt On : 07/10/12 08:41
Qt Upd On: 07/10/12 08:38



Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 6M85753.D
Analysis Date: 07/09/12 13:07
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5g
Final Vol: NA
Dilution: 1.00
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0020	U	56-23-5	Carbon Tetrachloride	0.0020	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0020	U	108-90-7	Chlorobenzene	0.0020	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0020	U	75-00-3	Chloroethane	0.0020	U
79-00-5	1,1,2-Trichloroethane	0.0020	U	67-66-3	Chloroform	0.0020	U
75-34-3	1,1-Dichloroethane	0.0020	U	74-87-3	Chloromethane	0.0020	U
75-35-4	1,1-Dichloroethene	0.0020	U	156-59-2	cis-1,2-Dichloroethene	0.0020	U
96-18-4	1,2,3-Trichloropropane	0.0020	U	10061-01-5	cis-1,3-Dichloropropene	0.0020	U
95-63-6	1,2,4-Trimethylbenzene	0.0010	U	124-48-1	Dibromochloromethane	0.0020	U
95-50-1	1,2-Dichlorobenzene	0.0020	U	75-71-8	Dichlorodifluoromethane	0.0020	U
107-06-2	1,2-Dichloroethane	0.0020	U	100-41-4	Ethylbenzene	0.0010	U
78-87-5	1,2-Dichloropropane	0.0020	U	98-82-8	Isopropylbenzene	0.0010	U
108-67-8	1,3,5-Trimethylbenzene	0.0010	U	136777612	m&p-Xylenes	0.0010	U
541-73-1	1,3-Dichlorobenzene	0.0020	U	75-09-2	Methylene Chloride	0.0020	U
142-28-9	1,3-Dichloropropane	0.0020	U	1634-04-4	Methyl-t-butyl ether	0.0010	U
106-46-7	1,4-Dichlorobenzene	0.0020	U	104-51-8	n-Butylbenzene	0.0010	U
123-91-1	1,4-Dioxane	0.10	U	103-65-1	n-Propylbenzene	0.0010	U
78-93-3	2-Butanone	0.0020	U	95-47-6	o-Xylene	0.0010	U
110-75-8	2-Chloroethylvinylether	0.0020	U	135-98-8	sec-Butylbenzene	0.0010	U
591-78-6	2-Hexanone	0.0020	U	100-42-5	Styrene	0.0020	U
99-87-6	4-Isopropyltoluene	0.0010	U	75-65-0	t-Butyl Alcohol	0.010	U
108-10-1	4-Methyl-2-Pentanone	0.0020	U	98-06-6	t-Butylbenzene	0.0010	U
67-64-1	Acetone	0.010	U	127-18-4	Tetrachloroethene	0.0020	U
107-02-8	Acrolein	0.010	U	108-88-3	Toluene	0.0010	U
107-13-1	Acrylonitrile	0.0050	U	156-60-5	trans-1,2-Dichloroethene	0.0020	U
71-43-2	Benzene	0.0010	U	10061-02-6	trans-1,3-Dichloropropene	0.0020	U
75-27-4	Bromodichloromethane	0.0020	U	79-01-6	Trichloroethene	0.0020	U
75-25-2	Bromoform	0.0020	U	75-69-4	Trichlorofluoromethane	0.0020	U
74-83-9	Bromomethane	0.0020	U	75-01-4	Vinyl Chloride	0.0020	U
75-15-0	Carbon Disulfide	0.0020	U				

Worksheet #: 233746

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

2070213 0077

SampleID : DAILY BLANK
Data File: 6M85753.D
Acq On : 07/ 9/12 13:07

Operator : DB
Sam Mult : 1 Vial# : 16
Misc : S,5g

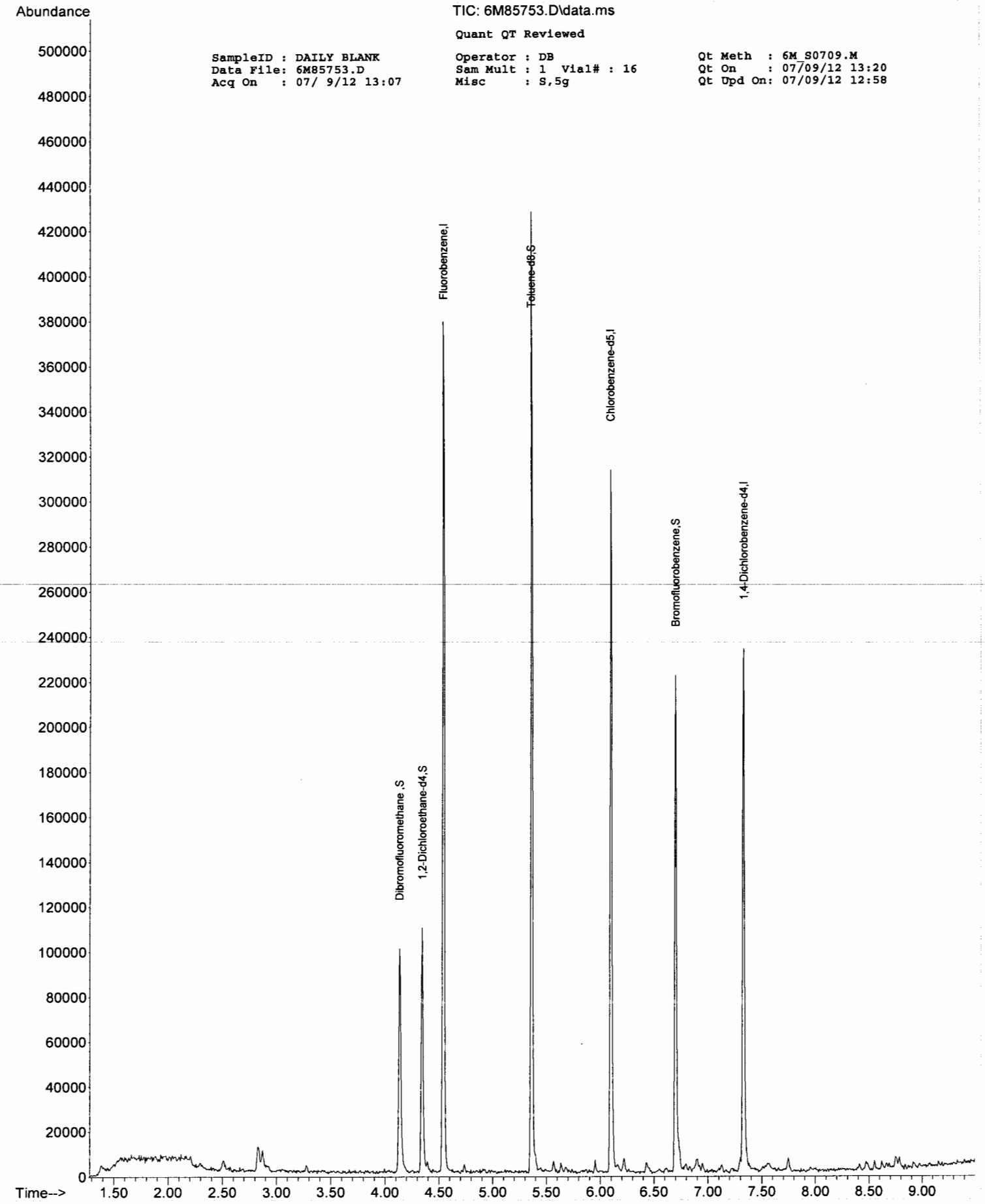
Qt Meth : 6M_S0709.M
Qt On : 07/09/12 13:20
Qt Upd On: 07/09/12 12:58

Data Path : G:\GcMsData\2012\gcms_6\Data\07-09-12\
Qt Path : G:\GCMSDATA\2012\gcms_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.544	96	187651	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.097	117	103146	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.331	152	47325	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.135	111	43609	28.55	ug/l	0.00
Spiked Amount 30.000			Recovery = 95.17%			
38) 1,2-Dichloroethane-d4	4.346	67	24830	29.53	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.43%			
65) Toluene-d8	5.363	98	155453	27.94	ug/l	0.00
Spiked Amount 30.000			Recovery = 93.13%			
75) Bromofluorobenzene	6.699	174	46051	29.71	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.03%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 6M85753.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 6M85753.D
Acq On : 07/ 9/12 13:07
Operator : DB
Sam Mult : 1 Vial# : 16
Misc : S,5g
Qt Meth : 6M_S0709.M
Qt On : 07/09/12 13:20
Qt Upd On: 07/09/12 12:58
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 2M87007.D
Analysis Date: 07/09/12 13:56
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5g
Final Vol: NA
Dilution: 1.00
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0020	U	56-23-5	Carbon Tetrachloride	0.0020	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0020	U	108-90-7	Chlorobenzene	0.0020	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0020	U	75-00-3	Chloroethane	0.0020	U
79-00-5	1,1,2-Trichloroethane	0.0020	U	67-66-3	Chloroform	0.0020	U
75-34-3	1,1-Dichloroethane	0.0020	U	74-87-3	Chloromethane	0.0020	U
75-35-4	1,1-Dichloroethene	0.0020	U	156-59-2	cis-1,2-Dichloroethene	0.0020	U
96-18-4	1,2,3-Trichloropropane	0.0020	U	10061-01-5	cis-1,3-Dichloropropene	0.0020	U
95-63-6	1,2,4-Trimethylbenzene	0.0010	U	124-48-1	Dibromochloromethane	0.0020	U
95-50-1	1,2-Dichlorobenzene	0.0020	U	75-71-8	Dichlorodifluoromethane	0.0020	U
107-06-2	1,2-Dichloroethane	0.0020	U	100-41-4	Ethylbenzene	0.0010	U
78-87-5	1,2-Dichloropropane	0.0020	U	98-82-8	Isopropylbenzene	0.0010	U
108-67-8	1,3,5-Trimethylbenzene	0.0010	U	136777612	m&p-Xylenes	0.0010	U
541-73-1	1,3-Dichlorobenzene	0.0020	U	75-09-2	Methylene Chloride	0.0020	U
142-28-9	1,3-Dichloropropane	0.0020	U	1634-04-4	Methyl-t-butyl ether	0.0010	U
106-46-7	1,4-Dichlorobenzene	0.0020	U	104-51-8	n-Butylbenzene	0.0010	U
123-91-1	1,4-Dioxane	0.10	U	103-65-1	n-Propylbenzene	0.0010	U
78-93-3	2-Butanone	0.0020	U	95-47-6	o-Xylene	0.0010	U
110-75-8	2-Chloroethylvinylether	0.0020	U	135-98-8	sec-Butylbenzene	0.0010	U
591-78-6	2-Hexanone	0.0020	U	100-42-5	Styrene	0.0020	U
99-87-6	4-Isopropyltoluene	0.0010	U	75-65-0	t-Butyl Alcohol	0.010	U
108-10-1	4-Methyl-2-Pentanone	0.0020	U	98-06-6	t-Butylbenzene	0.0010	U
67-64-1	Acetone	0.010	U	127-18-4	Tetrachloroethene	0.0020	U
107-02-8	Acrolein	0.010	U	108-88-3	Toluene	0.0010	U
107-13-1	Acrylonitrile	0.0050	U	156-60-5	trans-1,2-Dichloroethene	0.0020	U
71-43-2	Benzene	0.0010	U	10061-02-6	trans-1,3-Dichloropropene	0.0020	U
75-27-4	Bromodichloromethane	0.0020	U	79-01-6	Trichloroethene	0.0020	U
75-25-2	Bromoform	0.0020	U	75-69-4	Trichlorofluoromethane	0.0020	U
74-83-9	Bromomethane	0.0020	U	75-01-4	Vinyl Chloride	0.0020	U
75-15-0	Carbon Disulfide	0.0020	U				

Worksheet #: 233746 ***Total Target Concentration*** 0 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT/LSC Reviewed)

2070213 0080

SampleID : DAILY BLANK
Data File: 2M87007.D
Acq On : 07/ 9/12 13:56

Operator : WP
Sam Mult : 1 Vial# : 16
Misc : S,5G

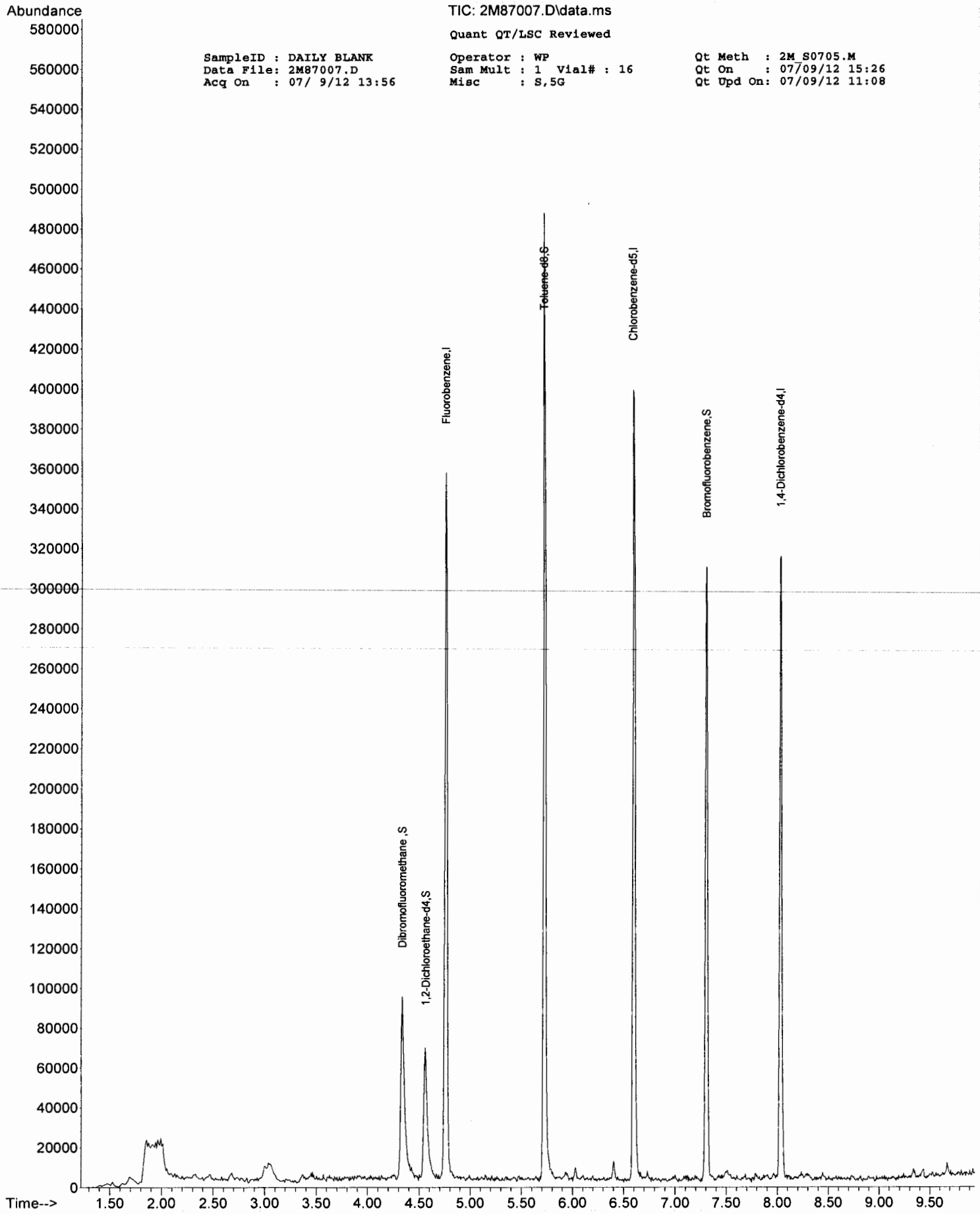
Qt Meth : 2M_S0705.M
Qt On : 07/09/12 15:26
Qt Upd On: 07/09/12 11:08

Data Path : G:\GcMsData\2012\gcms_2\Data\07-09-12\
Qt Path : G:\GCMSDATA\2012\gcms_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
4) Fluorobenzene	4.762	96	226552	30.00 ug/l	0.01
50) Chlorobenzene-d5	6.598	117	152418	30.00 ug/l	0.00
68) 1,4-Dichlorobenzene-d4	8.036	152	66525	30.00 ug/l	0.00
System Monitoring Compounds					
36) Dibromofluoromethane	4.335	111	64695	31.86 ug/l	0.02
Spiked Amount 30.000			Recovery	= 106.20%	
38) 1,2-Dichloroethane-d4	4.564	67	30115	32.74 ug/l	0.02
Spiked Amount 30.000			Recovery	= 109.13%	
64) Toluene-d8	5.725	98	222535	26.60 ug/l	0.00
Spiked Amount 30.000			Recovery	= 88.67%	
74) Bromofluorobenzene	7.308	174	66522	30.12 ug/l	0.00
Spiked Amount 30.000			Recovery	= 100.40%	

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 2M87007.D\data.ms
Quant QT/LSC Reviewed
SampleID : DAILY BLANK
Data File: 2M87007.D
Acq On : 07/ 9/12 13:56
Operator : WP
Sam Mult : 1 Vial# : 16
Misc : S,5G
Qt Meth : 2M_S0705.M
Qt On : 07/09/12 15:26
Qt Upd On: 07/09/12 11:08
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

FORM2

Surrogate Recovery

Method: EPA 8260B

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column0 S5 Recov	Column0 S6 Recov
2M87007.D	DAILY BLANK	Soil	07/09/12 13:56	1		106	109	89	100		
6M85753.D	DAILY BLANK	Soil	07/09/12 13:07	1		95	98	93	99		
6M85941.D	DAILY BLANK	Soil	07/12/12 16:10	1		103	109	86	100		
6M86176.D	DAILY BLANK	Soil	07/18/12 12:39	1		91	98	92	102		
2M87033.D	AC66869-001	Soil	07/09/12 20:57	1		93	98	86	106		
6M85771.D	AC66869-002	Soil	07/09/12 17:56	1		122	131	87	87		
6M85772.D	AC66869-003	Soil	07/09/12 18:12	1		128	115	84	84		
6M85777.D	AC66869-004(	Soil	07/09/12 19:32	1		128	125	81	67		
6M85773.D	AC66869-005	Soil	07/09/12 18:28	1		131	126	86	91		
6M85774.D	AC66869-006	Soil	07/09/12 18:44	1		112	106	105	90		
6M85776.D	AC66869-007(	Soil	07/09/12 19:16	1		118	114	106	81		
6M85775.D	AC66869-008	Soil	07/09/12 19:00	1		137	127	92	90		
2M87008.D	MBS18718	Soil	07/09/12 14:13	1		111	101	92	96		
6M85755.D	MBS18717	Soil	07/09/12 13:39	1		95	95	99	106		
6M85943.D	AC67010-001	Soil	07/12/12 16:42	1		103	112	90	99		
6M85944.D	MBS18764	Soil	07/12/12 17:01	1		104	101	94	98		
6M86177.D	MBS18816	Soil	07/18/12 12:55	1		95	93	95	96		
6M86187.D	AC67010-001(	Soil	07/18/12 15:52	1		105	108	95	107		
6M86188.D	AC67010-001(	Soil	07/18/12 16:08	1		116	111	103	102		

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: EPA 8260B

Soil Limits

Compound	Spike Amt	Limits
S1=Dibromofluoromethane	30	63-140
S2=1,2-Dichloroethane-d4	30	63-143
S3=Toluene-d8	30	68-122
S4=Bromofluorobenzene	30	64-129

Form3
Recovery Data
QC Batch: MBS18717

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M85755.D	MBS18717	7/9/2012 1:39:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Soil QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	31.1949	0	50	62	20	130
1,1-Dichloroethene	1	27.1315	0	50	54	50	130
1,1-Dichloroethane	1	29.5936	0	50	59	50	130
Chloroform	1	30.4263	0	50	61	50	130
1,2-Dichloroethane	1	33.4783	0	50	67	50	130
2-Butanone	1	43.8473	0	50	88	20	130
Carbon Tetrachloride	1	44.2033	0	50	88	50	130
Trichloroethene	1	40.1902	0	50	80	50	130
Benzene	1	42.3197	0	50	85	50	130
Tetrachloroethene	1	31.1181	0	50	62	50	130
Toluene	1	37.222	0	50	74	50	130
Chlorobenzene	1	35.6247	0	50	71	50	130
1,4-Dichlorobenzene	1	31.393	0	50	63	50	130
1,2-Dichlorobenzene	1	29.4778	0	50	59	50	130
n-Propylbenzene	1	40.1168	0	50	80	50	130
sec-Butylbenzene	1	33.814	0	50	68	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS18718

	Data File	Sample ID:	Analysis Date
Spike or Dup:	2M87008.D	MBS18718	7/9/2012 2:13:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Soil QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	49.6098	0	50	99	20	130
1,1-Dichloroethene	1	40.9949	0	50	82	50	130
1,1-Dichloroethane	1	40.2868	0	50	81	50	130
Chloroform	1	39.0692	0	50	78	50	130
1,2-Dichloroethane	1	41.6753	0	50	83	50	130
2-Butanone	1	35.5925	0	50	71	20	130
Carbon Tetrachloride	1	39.5997	0	50	79	50	130
Trichloroethene	1	34.5276	0	50	69	50	130
Benzene	1	38.0707	0	50	76	50	130
Tetrachloroethene	1	32.1585	0	50	64	50	130
Toluene	1	32.7533	0	50	66	50	130
Chlorobenzene	1	30.8835	0	50	62	50	130
1,4-Dichlorobenzene	1	26.7395	0	50	53	50	130
1,2-Dichlorobenzene	1	26.8604	0	50	54	50	130
n-Propylbenzene	1	29.0186	0	50	58	50	130
sec-Butylbenzene	1	28.4862	0	50	57	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS18764

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M85944.D	MBS18764	7/12/2012 5:01:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Soil QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	37.3814	0	50	75	20	130
1,1-Dichloroethene	1	45.1466	0	50	90	50	130
1,1-Dichloroethane	1	50.5674	0	50	101	50	130
Chloroform	1	49.7295	0	50	99	50	130
1,2-Dichloroethane	1	63.1309	0	50	126	50	130
2-Butanone	1	45.7294	0	50	91	20	130
Carbon Tetrachloride	1	40.2852	0	50	81	50	130
Trichloroethene	1	39.7876	0	50	80	50	130
Benzene	1	43.6576	0	50	87	50	130
Tetrachloroethene	1	39.8871	0	50	80	50	130
Toluene	1	35.0968	0	50	70	50	130
Chlorobenzene	1	41.7615	0	50	84	50	130
1,4-Dichlorobenzene	1	40.8833	0	50	82	50	130
1,2-Dichlorobenzene	1	41.8746	0	50	84	50	130
n-Propylbenzene	1	35.8125	0	50	72	50	130
sec-Butylbenzene	1	40.5841	0	50	81	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS18816

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M86177.D	MBS18816	7/18/2012 12:55:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Soil QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	39.1352	0	50	78	20	130
1,1-Dichloroethene	1	37.6299	0	50	75	50	130
1,1-Dichloroethane	1	39.4008	0	50	79	50	130
Chloroform	1	39.3338	0	50	79	50	130
1,2-Dichloroethane	1	50.8941	0	50	102	50	130
2-Butanone	1	42.6564	0	50	85	20	130
Carbon Tetrachloride	1	41.2575	0	50	83	50	130
Trichloroethene	1	39.5501	0	50	79	50	130
Benzene	1	40.241	0	50	80	50	130
Tetrachloroethene	1	38.4314	0	50	77	50	130
Toluene	1	32.6157	0	50	65	50	130
Chlorobenzene	1	37.6614	0	50	75	50	130
1,4-Dichlorobenzene	1	38.2175	0	50	76	50	130
1,2-Dichlorobenzene	1	36.295	0	50	73	50	130
n-Propylbenzene	1	37.398	0	50	75	50	130
sec-Butylbenzene	1	42.2589	0	50	85	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS18816

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M86187.D	AC67010-001(MS)	7/18/2012 3:52:00 PM
Non Spike(If applicable):	6M85943.D	AC67010-001	7/12/2012 4:42:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Soil QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	24.4679	0	50	49	20	130
1,1-Dichloroethene	1	18.9042	0	50	38*	50	130
1,1-Dichloroethane	1	20.3447	0	50	41*	50	130
Chloroform	1	17.9355	0	50	36*	50	130
1,2-Dichloroethane	1	27.1202	0	50	54	50	130
2-Butanone	1	44.8265	0	50	90	20	130
Carbon Tetrachloride	1	16.0994	0	50	32*	50	130
Trichloroethene	1	14.3641	0	50	29*	50	130
Benzene	1	17.3709	0	50	35*	50	130
Tetrachloroethene	1	44.5861	0	50	89	50	130
Toluene	1	11.5753	0	50	23*	50	130
Chlorobenzene	1	9.4579	0	50	19*	50	130
1,4-Dichlorobenzene	1	3.9531	0	50	7.9*	50	130
1,2-Dichlorobenzene	1	3.3553	0	50	6.7*	50	130
n-Propylbenzene	1	6.711	0	50	13*	50	130
sec-Butylbenzene	1	5.338	0	50	11*	50	130

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M86188.D	AC67010-001(MSD)	7/18/2012 4:08:00 PM
Non Spike(If applicable):	6M85943.D	AC67010-001	7/12/2012 4:42:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Soil QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	29.0065	0	50	58	20	130
1,1-Dichloroethene	1	21.9019	0	50	44*	50	130
1,1-Dichloroethane	1	22.5032	0	50	45*	50	130
Chloroform	1	20.2035	0	50	40*	50	130
1,2-Dichloroethane	1	30.1832	0	50	60	50	130
2-Butanone	1	54.5527	0	50	109	20	130
Carbon Tetrachloride	1	16.3166	0	50	33*	50	130
Trichloroethene	1	14.154	0	50	28*	50	130
Benzene	1	17.2423	0	50	34*	50	130
Tetrachloroethene	1	58.9312	0	50	118	50	130
Toluene	1	13.0415	0	50	26*	50	130
Chlorobenzene	1	11.3506	0	50	23*	50	130
1,4-Dichlorobenzene	1	5.1006	0	50	10*	50	130
1,2-Dichlorobenzene	1	3.8752	0	50	7.8*	50	130
n-Propylbenzene	1	7.7023	0	50	15*	50	130
sec-Butylbenzene	1	6.2995	0	50	13*	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
RPD DATA
QC Batch: MBS18816

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M86188.D	AC67010-001(MSD)	7/18/2012 4:08:00 PM
Duplicate(If applicable):	6M86187.D	AC67010-001(MS)	7/18/2012 3:52:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Soil QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Vinyl Chloride	1	29.0065	24.4679	17	40
1,1-Dichloroethene	1	21.9019	18.9042	15	40
1,1-Dichloroethane	1	22.5032	20.3447	10	40
Chloroform	1	20.2035	17.9355	12	40
1,2-Dichloroethane	1	30.1832	27.1202	11	40
2-Butanone	1	54.5527	44.8265	20	40
Carbon Tetrachloride	1	16.3166	16.0994	1.3	40
Trichloroethene	1	14.154	14.3641	1.5	40
Benzene	1	17.2423	17.3709	0.74	40
Tetrachloroethene	1	58.9312	44.5861	28	40
Toluene	1	13.0415	11.5753	12	40
Chlorobenzene	1	11.3506	9.4579	18	40
1,4-Dichlorobenzene	1	5.1006	3.9531	25	40
1,2-Dichlorobenzene	1	3.8752	3.3553	14	40
n-Propylbenzene	1	7.7023	6.711	14	40
sec-Butylbenzene	1	6.2995	5.338	17	40

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 6M85753.D
Matrix: Soil

Blank Analysis Date: 07/09/12 13:07
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC66869-002	6M85771.D	07/09/12 17:56
AC66869-003	6M85772.D	07/09/12 18:12
AC66869-004(5X)	6M85777.D	07/09/12 19:32
AC66869-005	6M85773.D	07/09/12 18:28
AC66869-006	6M85774.D	07/09/12 18:44
AC66869-007(5X)	6M85776.D	07/09/12 19:16
AC66869-008	6M85775.D	07/09/12 19:00
MBS18717	6M85755.D	07/09/12 13:39

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 2M87007.D
Matrix: Soil

Blank Analysis Date: 07/09/12 13:56
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC66869-001	2M87033.D	07/09/12 20:57
MBS18718	2M87008.D	07/09/12 14:13

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 6M85941.D
Matrix: Soil

Blank Analysis Date: 07/12/12 16:10
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
MBS18764	6M85944.D	07/12/12 17:01
AC67010-001	6M85943.D	07/12/12 16:42

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 6M86176.D
Matrix: Soil

Blank Analysis Date: 07/18/12 12:39
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC67010-001(MSD	6M86188.D	07/18/12 16:08
AC67010-001(MS)	6M86187.D	07/18/12 15:52
MBS18816	6M86177.D	07/18/12 12:55

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 2

Data File: 2M86803.D
Analysis Date: 07/05/12 11:15
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.747 to 4.826 min

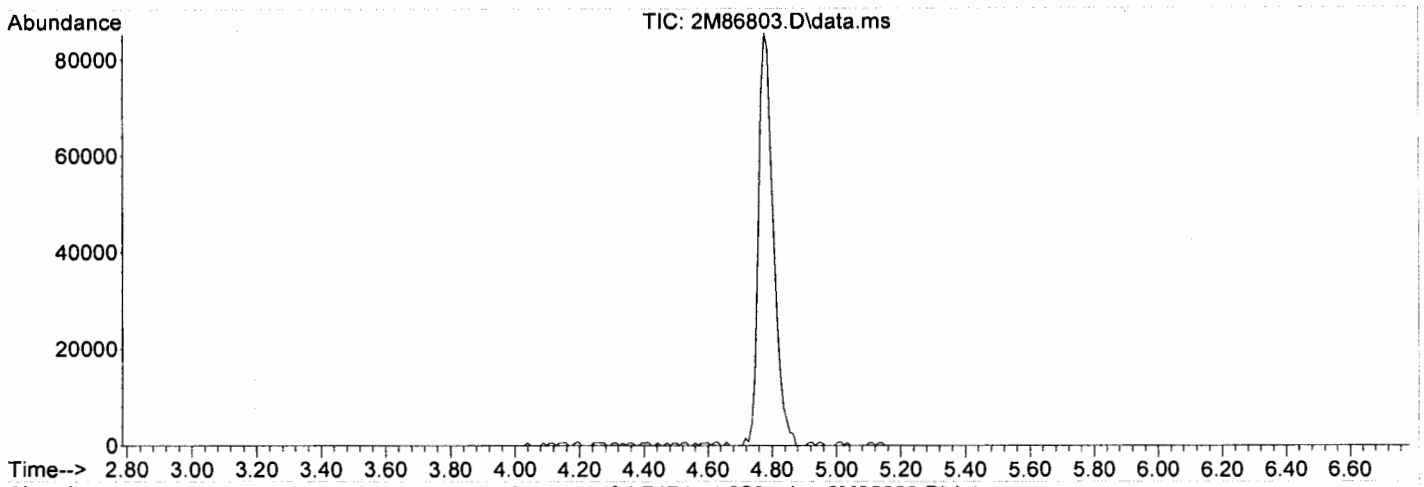
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	26.1	2592	PASS
75	95	30	60	57.7	5730	PASS
95	95	100	100	100.0	9938	PASS
96	95	5	9	6.6	656	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	84.7	8415	PASS
175	174	5	9	6.2	520	PASS
176	174	95	101	95.7	8054	PASS
177	176	5	9	5.2	418	PASS

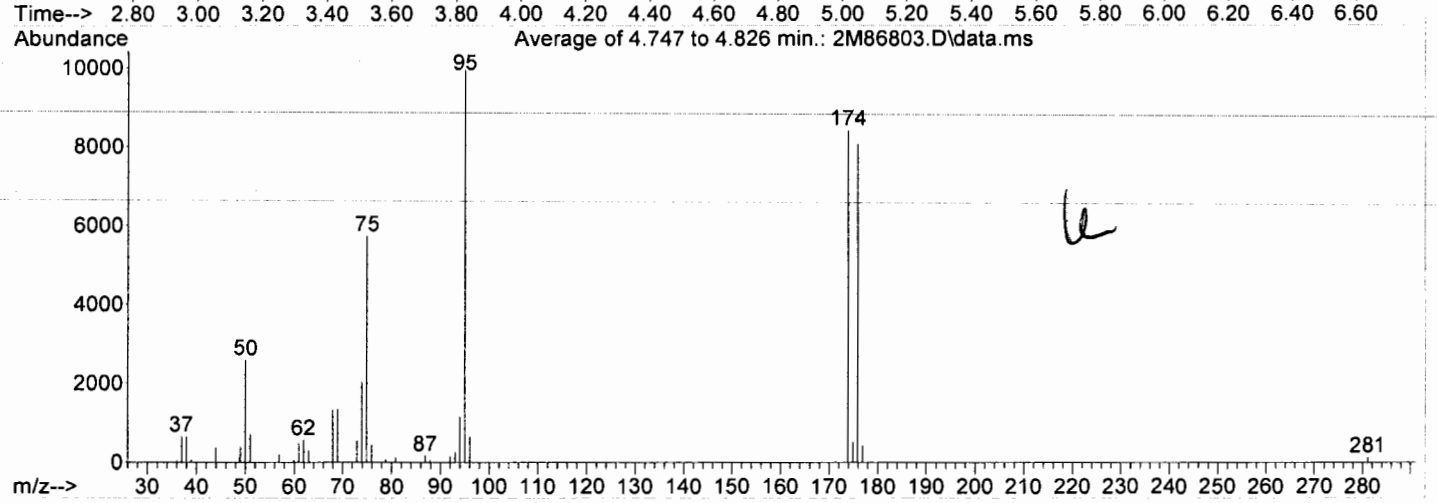
Data File	Sample Number	Analysis Date:
2M86804.D	BLK	07/05/12 11:31
2M86805.D	CAL @ 0.5 PPB	07/05/12 11:47
2M86806.D	CAL @ 1 PPB	07/05/12 12:04
2M86807.D	CAL @ 2 PPB	07/05/12 12:20
2M86808.D	CAL @ 5 PPB	07/05/12 12:36
2M86809.D	CAL @ 20 PPB	07/05/12 12:53
2M86810.D	CAL @ 50 PPB	07/05/12 13:09
2M86811.D	CAL @ 100 PPB	07/05/12 13:25
2M86812.D	CAL @ 250 PPB	07/05/12 13:41
2M86813.D	CAL @ 500 PPB	07/05/12 13:57
2M86814.D	BLK	07/05/12 14:14
2M86815.D	ICV	07/05/12 14:30
2M86816.D	BLK	07/05/12 14:46
2M86817.D	BLK	07/05/12 15:02
2M86818.D	BLK	07/05/12 15:19
2M86819.D	DAILY BLANK	07/05/12 15:35
2M86820.D	MBS18684	07/05/12 15:51
2M86821.D	BLK	07/05/12 16:07
2M86822.D	BLK	07/05/12 16:23
2M86823.D	AC66760-007	07/05/12 16:40
2M86824.D	AC66817-005	07/05/12 16:56
2M86825.D	AC66817-007	07/05/12 17:12
2M86826.D	AC66817-009	07/05/12 17:28
2M86827.D	AC66817-010	07/05/12 17:44
2M86828.D	AC66839-003	07/05/12 18:00
2M86829.D	AC66839-004	07/05/12 18:16
2M86830.D	AC66839-005	07/05/12 18:33
2M86831.D	AC66839-006	07/05/12 18:49
2M86832.D	AC66842-006	07/05/12 19:05
2M86833.D	AC66842-007	07/05/12 19:21
2M86834.D	AC66741-001	07/05/12 19:37
2M86835.D	AC66741-002	07/05/12 19:53
2M86836.D	AC66741-004	07/05/12 20:09
2M86837.D	AC66731-012	07/05/12 20:25
2M86838.D	AC66731-016	07/05/12 20:42
2M86839.D	AC66854-001	07/05/12 20:58
2M86840.D	AC66854-002	07/05/12 21:14
2M86841.D	AC66854-003	07/05/12 21:30
2M86842.D	AC66829-001	07/05/12 21:46
2M86843.D	BLK	07/05/12 22:02
2M86844.D	AC66817-005(MS)	07/05/12 22:18
2M86845.D	AC66817-005(MSD	07/05/12 22:34
2M86846.D	BLK	07/05/12 22:50
2M86847.D	BLK	07/05/12 23:06
2M86848.D	BLK	07/05/12 23:22

Data Path : G:\GcMsData\2012\gcms_2\Data\07-05-12\
Data File : 2M86803.D
Acq On : 5 Jul 2012 11:15
Operator : WP
Sample : BFB TUNE
Misc : S,5g
ALS Vial : 15 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2012\gcms_2\MethodQt\2M_S0705.M
Title : @GCMS_2,ug,624,8260
Last Update : Thu Jul 05 14:12:53 2012





Spectrum Information: Average of 4.747 to 4.826 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	26.1	2592	PASS
75	95	30	60	57.7	5730	PASS
95	95	100	100	100.0	9938	PASS
96	95	5	9	6.6	656	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	84.7	8415	PASS
175	174	5	9	6.2	520	PASS
176	174	95	101	95.7	8054	PASS
177	176	5	9	5.2	418	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 6

Data File: 6M85738.D
Analysis Date: 07/09/12 09:11
Method: EPA 8260B

Tune Scan/Time Range: Average of 3.983 to 4.003 min

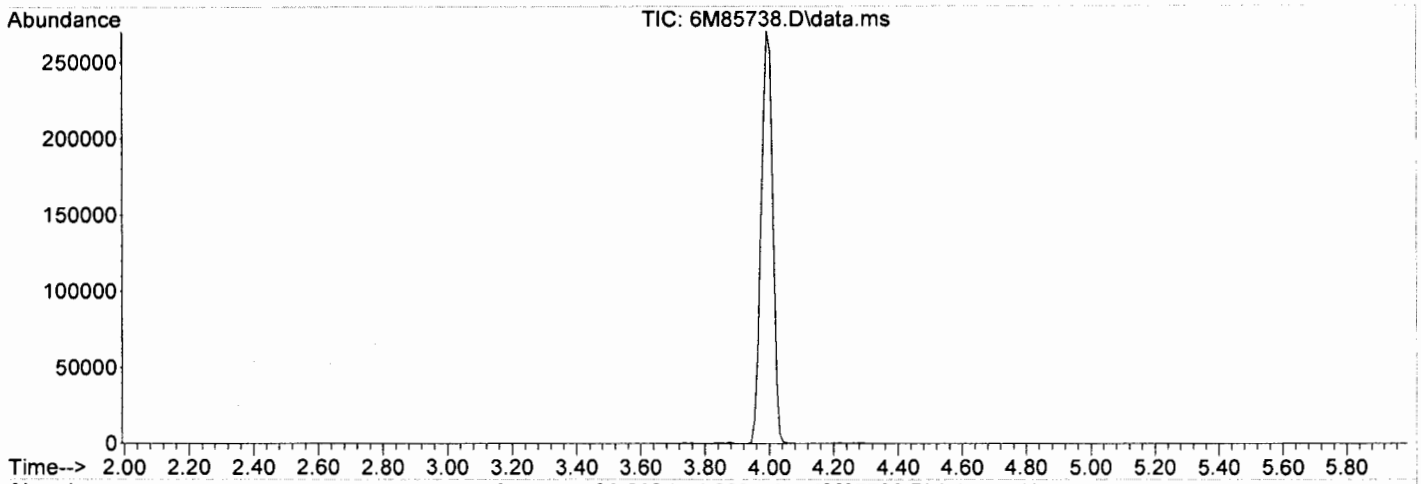
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	22.2	11507	PASS
75	95	30	60	49.1	25403	PASS
95	95	100	100	100.0	51773	PASS
96	95	5	9	6.9	3569	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	87.2	45149	PASS
175	174	5	9	7.6	3452	PASS
176	174	95	101	100.5	45355	PASS
177	176	5	9	6.6	2978	PASS

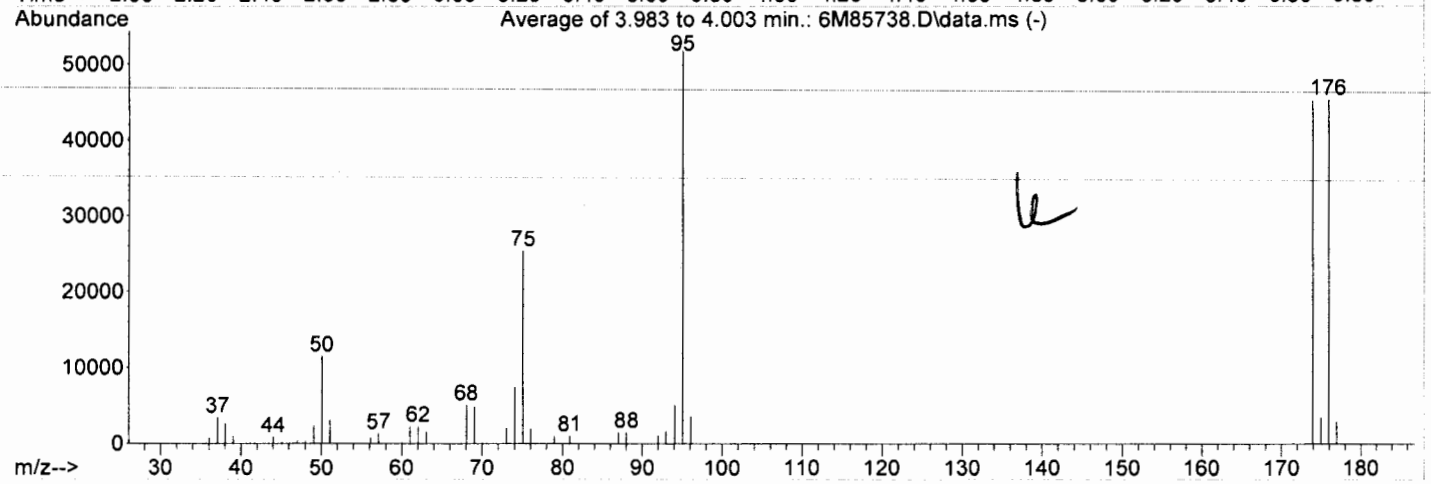
Data File	Sample Number	Analysis Date:
6M85739.D	BLK	07/09/12 09:22
6M85740.D	BLK	07/09/12 09:38
6M85742.D	CAL @ 0.5 PPB	07/09/12 10:10
6M85743.D	CAL @ 2 PPB	07/09/12 10:26
6M85744.D	CAL @ 1 PPB	07/09/12 10:42
6M85745.D	CAL @ 5 PPB	07/09/12 10:58
6M85746.D	CAL @ 500 PPB	07/09/12 11:14
6M85747.D	CAL @ 250 PPB	07/09/12 11:30
6M85748.D	CAL @ 100 PPB	07/09/12 11:46
6M85749.D	CAL @ 50 PPB	07/09/12 12:02
6M85750.D	CAL @ 20 PPB	07/09/12 12:19
6M85751.D	ICV	07/09/12 12:35
6M85752.D	BLK	07/09/12 12:51
6M85753.D	DAILY BLANK	07/09/12 13:07
6M85754.D	BLK	07/09/12 13:23
6M85755.D	MBS18717	07/09/12 13:39
6M85756.D	BLK	07/09/12 13:55
6M85757.D	AC66923-011	07/09/12 14:11
6M85758.D	AC66923-016	07/09/12 14:27
6M85759.D	AC66923-019	07/09/12 14:43
6M85760.D	AC66923-021	07/09/12 14:59
6M85761.D	AC66923-023	07/09/12 15:15
6M85762.D	AC66923-026	07/09/12 15:31
6M85763.D	AC66923-027	07/09/12 15:47
6M85764.D	AC66923-032	07/09/12 16:04
6M85765.D	BLK	07/09/12 16:20
6M85766.D	AC66922-028	07/09/12 16:36
6M85767.D	AC66922-029	07/09/12 16:52
6M85768.D	AC66922-030	07/09/12 17:08
6M85769.D	AC66922-031	07/09/12 17:24
6M85770.D	BLK	07/09/12 17:40
6M85771.D	AC66869-002	07/09/12 17:56
6M85772.D	AC66869-003	07/09/12 18:12
6M85773.D	AC66869-005	07/09/12 18:28
6M85774.D	AC66869-006	07/09/12 18:44
6M85775.D	AC66869-008	07/09/12 19:00
6M85776.D	AC66869-007(5X)	07/09/12 19:16
6M85777.D	AC66869-004(5X)	07/09/12 19:32
6M85778.D	STD	07/09/12 19:48
6M85779.D	STD	07/09/12 20:04
6M85780.D	BLK	07/09/12 20:20
6M85781.D	BLK	07/09/12 20:36
6M85782.D	BLK	07/09/12 20:52
6M85783.D	BLK	07/09/12 21:08
6M85784.D	BLK	07/09/12 21:24
6M85785.D	BLK	07/09/12 21:40
6M85786.D	BLK	07/10/12 06:52

Data Path : G:\GcMsData\2012\gcms_6\Data\07-09-12\
Data File : 6M85738.D
Acq On : 9 Jul 2012 9:11
Operator : DB
Sample : BFB TUNE
Misc : S,5g
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2012\gcms_6\MethodQt\6M_S0705.M
Title : @GCMS_6,ug,624,8260
Last Update : Thu Jul 05 10:06:43 2012





Spectrum Information: Average of 3.983 to 4.003 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.2	11507	PASS
75	95	30	60	49.1	25403	PASS
95	95	100	100	100.0	51773	PASS
96	95	5	9	6.9	3569	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	87.2	45149	PASS
175	174	5	9	7.6	3452	PASS
176	174	95	101	100.5	45355	PASS
177	176	5	9	6.6	2978	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 2

Data File: 2M87000.D
Analysis Date: 07/09/12 12:02
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.754 to 4.783 min

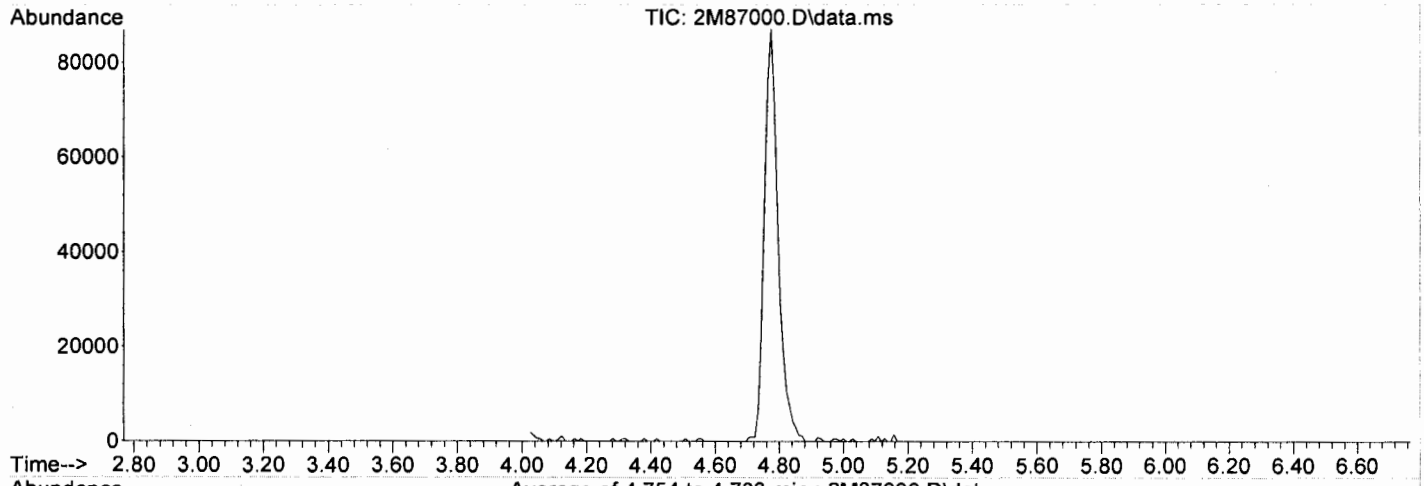
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	27.1	3920	PASS
75	95	30	60	56.8	8232	PASS
95	95	100	100	100.0	14491	PASS
96	95	5	9	6.2	894	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	78.8	11426	PASS
175	174	5	9	7.8	888	PASS
176	174	95	101	96.1	10981	PASS
177	176	5	9	6.1	666	PASS

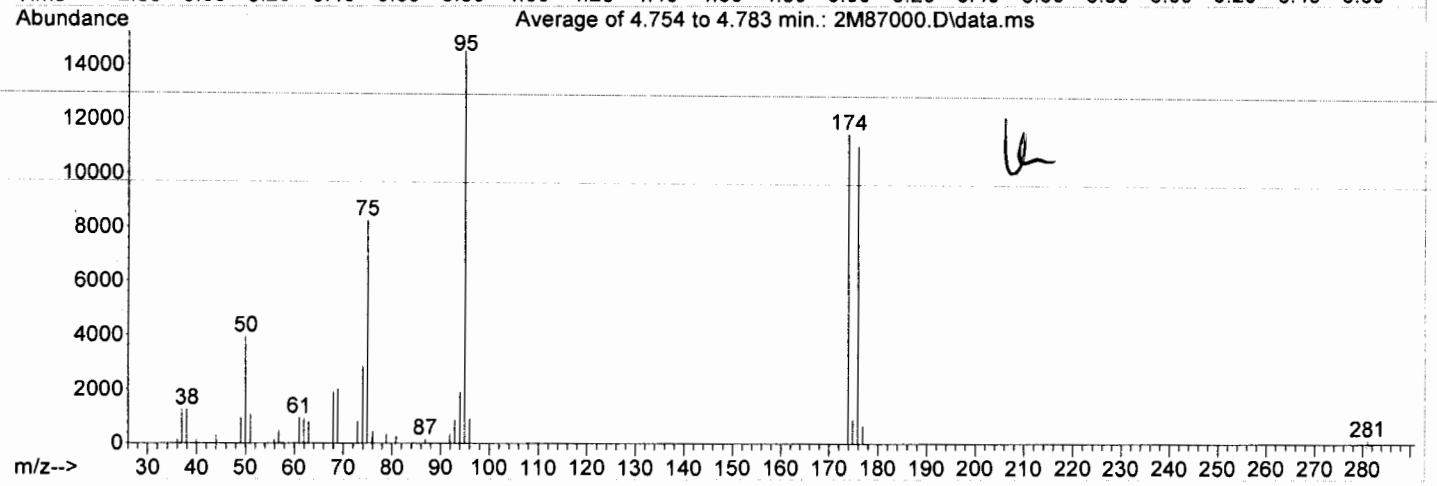
Data File	Sample Number	Analysis Date:
2M87001.D	50 PPB	07/09/12 12:18
2M87002.D	BLK	07/09/12 12:34
2M87003.D	CAL @ 50 PPB	07/09/12 12:51
2M87004.D	50 PPB	07/09/12 13:07
2M87005.D	BLK	07/09/12 13:24
2M87006.D	BLK	07/09/12 13:40
2M87007.D	DAILY BLANK	07/09/12 13:56
2M87008.D	MBS18718	07/09/12 14:13
2M87009.D	BLK	07/09/12 14:29
2M87010.D	BLK	07/09/12 14:45
2M87011.D	BLK	07/09/12 15:01
2M87012.D	AC66859-005	07/09/12 15:18
2M87013.D	AC66921-003	07/09/12 15:34
2M87014.D	AC66921-004	07/09/12 15:50
2M87015.D	AC66742-022	07/09/12 16:06
2M87016.D	BLK	07/09/12 16:23
2M87017.D	AC66921-017	07/09/12 16:39
2M87018.D	AC66921-035	07/09/12 16:55
2M87019.D	BLK	07/09/12 17:11
2M87020.D	AC66763-001	07/09/12 17:27
2M87021.D	AC66921-020	07/09/12 17:44
2M87022.D	AC66921-029	07/09/12 18:00
2M87023.D	AC66921-033	07/09/12 18:16
2M87024.D	AC66917-007	07/09/12 18:32
2M87025.D	AC66917-008	07/09/12 18:48
2M87026.D	AC66917-009	07/09/12 19:04
2M87027.D	AC66917-010	07/09/12 19:21
2M87028.D	AC66917-011	07/09/12 19:37
2M87029.D	AC66942-001	07/09/12 19:53
2M87030.D	AC66742-020	07/09/12 20:09
2M87031.D	AC66742-013	07/09/12 20:25
2M87032.D	AC66911-008	07/09/12 20:41
2M87033.D	AC66869-001	07/09/12 20:57
2M87034.D	BLK	07/09/12 21:13
2M87035.D	BLK	07/09/12 21:30
2M87036.D	STD	07/09/12 21:46
2M87037.D	BLK	07/09/12 22:02
2M87038.D	BLK	07/10/12 06:51

Data Path : G:\GcMsData\2012\gcms_2\Data\07-09-12\
Data File : 2M87000.D
Acq On : 9 Jul 2012 12:02
Operator : WP
Sample : BFB TUNE
Misc : S,5G
ALS Vial : 9 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2012\gcms_2\MethodQt\2M_S0705.M
Title : @GCMS_2,ug,624,8260
Last Update : Thu Jul 05 14:12:53 2012





Spectrum Information: Average of 4.754 to 4.783 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	27.1	3920	PASS
75	95	30	60	56.8	8232	PASS
95	95	100	100	100.0	14491	PASS
96	95	5	9	6.2	894	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	78.8	11426	PASS
175	174	5	9	7.8	888	PASS
176	174	95	101	96.1	10981	PASS
177	176	5	9	6.1	666	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 6

Data File: 6M85914.D
Analysis Date: 07/12/12 08:55
Method: EPA 8260B

Tune Scan/Time Range: Average of 3.962 to 4.011 min

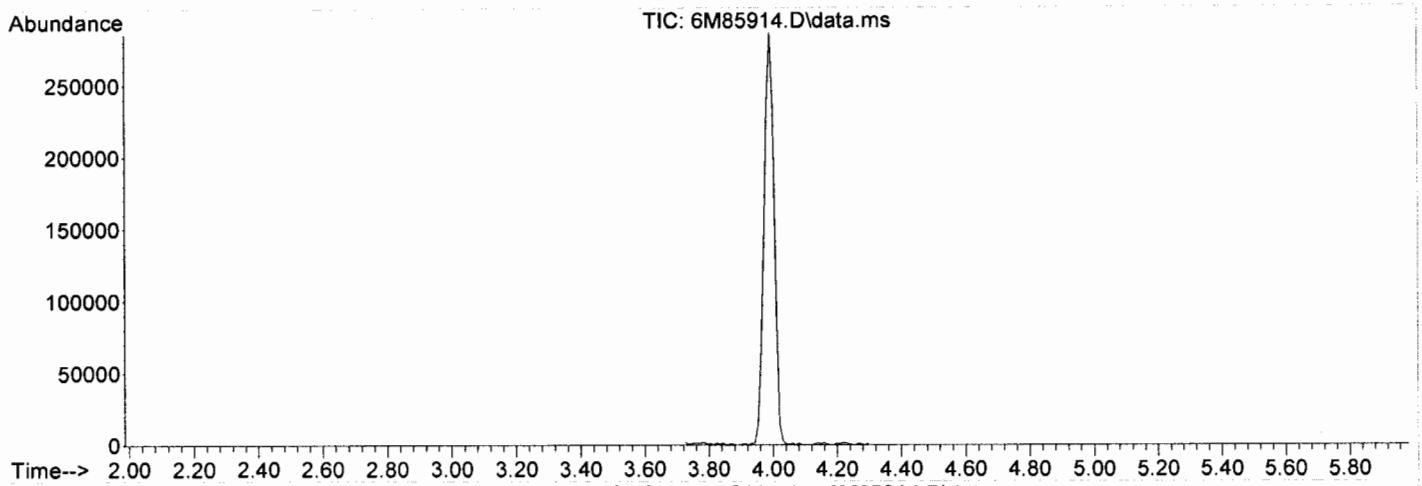
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	19.6	7735	PASS
75	95	30	60	48.4	19133	PASS
95	95	100	100	100.0	39511	PASS
96	95	5	9	6.6	2617	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	74.9	29575	PASS
175	174	5	9	8.0	2375	PASS
176	174	95	101	97.0	28692	PASS
177	176	5	9	6.0	1731	PASS

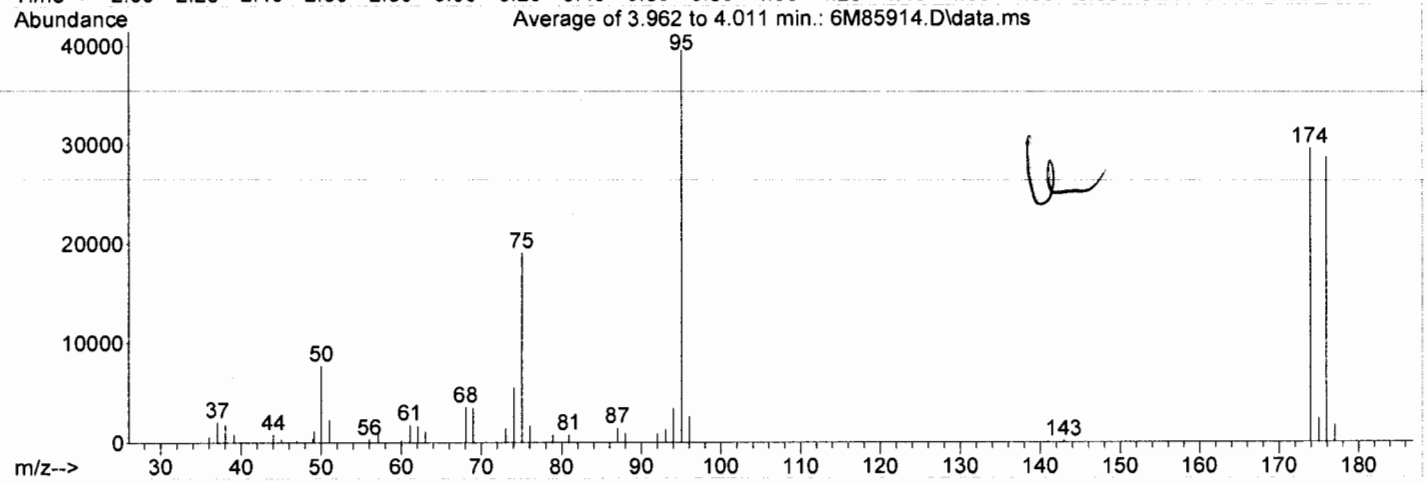
Data File	Sample Number	Analysis Date:
6M85915.D	BLK	07/12/12 09:12
6M85916.D	50 PPB	07/12/12 09:28
6M85917.D	BLK	07/12/12 09:44
6M85918.D	50 PPB	07/12/12 10:00
6M85919.D	BLK	07/12/12 10:16
6M85920.D	BLK	07/12/12 10:33
6M85921.D	BLK	07/12/12 10:49
6M85922.D	CAL @ 0.5 PPB	07/12/12 11:05
6M85923.D	CAL @ 2 PPB	07/12/12 11:21
6M85924.D	CAL @ 1 PPB	07/12/12 11:37
6M85925.D	CAL @ 5 PPB	07/12/12 11:53
6M85926.D	CAL @ 500 PPB	07/12/12 12:17
6M85927.D	CAL @ 250 PPB	07/12/12 12:34
6M85928.D	CAL @ 100 PPB	07/12/12 12:50
6M85929.D	CAL @ 50 PPB	07/12/12 13:06
6M85930.D	CAL @ 20 PPB	07/12/12 13:22
6M85931.D	50 PPB	07/12/12 13:38
6M85932.D	BLK	07/12/12 13:54
6M85934.D	50 PPB	07/12/12 14:14
6M85935.D	STD	07/12/12 14:31
6M85936.D	STD	07/12/12 14:48
6M85937.D	BLK	07/12/12 15:04
6M85938.D	ICV	07/12/12 15:21
6M85939.D	STD	07/12/12 15:38
6M85940.D	BLK	07/12/12 15:54
6M85941.D	DAILY BLANK	07/12/12 16:10
6M85942.D	AC66944-007	07/12/12 16:26
6M85943.D	AC67010-001	07/12/12 16:42
6M85944.D	MBS18764	07/12/12 17:01
6M85945.D	AC66856-004	07/12/12 17:17
6M85946.D	AC66945-001	07/12/12 17:33
6M85947.D	AC66945-002	07/12/12 17:49
6M85948.D	AC66945-004	07/12/12 18:05
6M85949.D	AC66945-005	07/12/12 18:21
6M85950.D	AC66856-008	07/12/12 18:37
6M85951.D	AC66856-009	07/12/12 18:53
6M85952.D	AC66856-010	07/12/12 19:09
6M85953.D	AC66856-011(MS:	07/12/12 19:25
6M85954.D	AC66856-012(MSD	07/12/12 19:41
6M85955.D	AC66962-003	07/12/12 19:57
6M85956.D	AC66962-004	07/12/12 20:13
6M85957.D	AC66966-004	07/12/12 20:29
6M85958.D	AC66953-001	07/12/12 20:45
6M85959.D	STD	07/12/12 21:00
6M85960.D	BLK	07/12/12 21:16
6M85961.D	BLK	07/12/12 21:33
6M85962.D	BLK	07/12/12 21:49
6M85963.D	BLK	07/12/12 22:05

Data Path : G:\GcMsData\2012\gcms_6\Data\07-12-12\
Data File : 6M85914.D
Acq On : 12 Jul 2012 8:55
Operator : DB
Sample : BFB TUNE
Misc : S,5g
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2012\gcms_6\MethodQt\6M_S0709.M
Title : @GCMS_6,ug,624,8260
Last Update : Mon Jul 09 12:46:03 2012





Spectrum Information: Average of 3.962 to 4.011 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.6	7735	PASS
75	95	30	60	48.4	19133	PASS
95	95	100	100	100.0	39511	PASS
96	95	5	9	6.6	2617	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	74.9	29575	PASS
175	174	5	9	8.0	2375	PASS
176	174	95	101	97.0	28692	PASS
177	176	5	9	6.0	1731	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 6

Data File: 6M86173.D
Analysis Date: 07/18/12 11:51
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.027 to 4.066 min

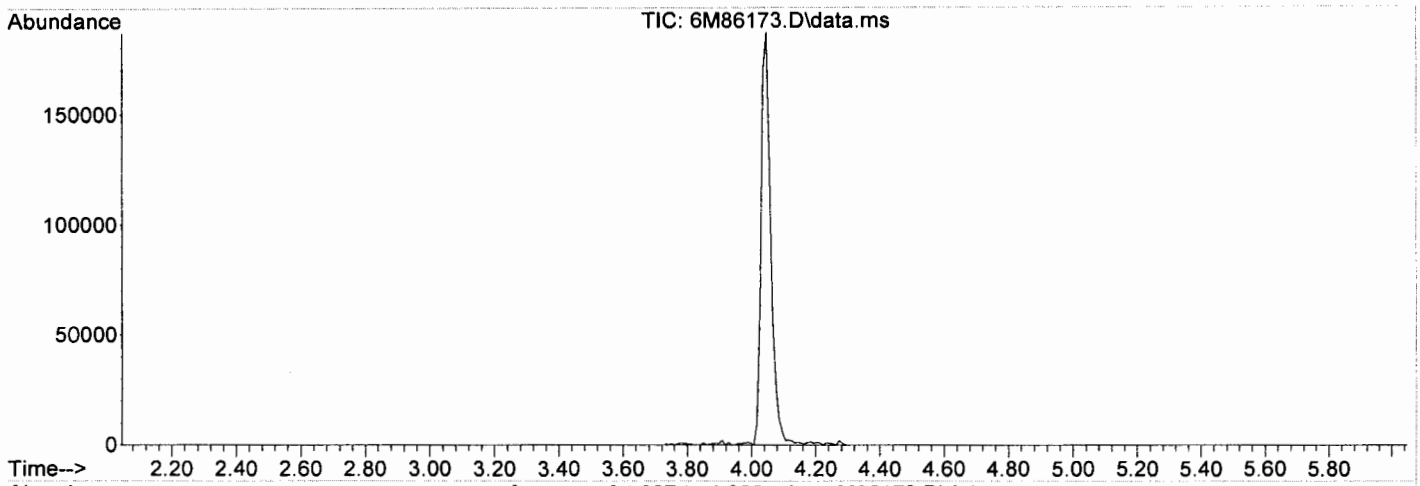
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	19.5	5317	PASS
75	95	30	60	45.8	12494	PASS
95	95	100	100	100.0	27280	PASS
96	95	5	9	7.0	1916	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	75.6	20634	PASS
175	174	5	9	5.8	1194	PASS
176	174	95	101	98.9	20403	PASS
177	176	5	9	6.4	1303	PASS

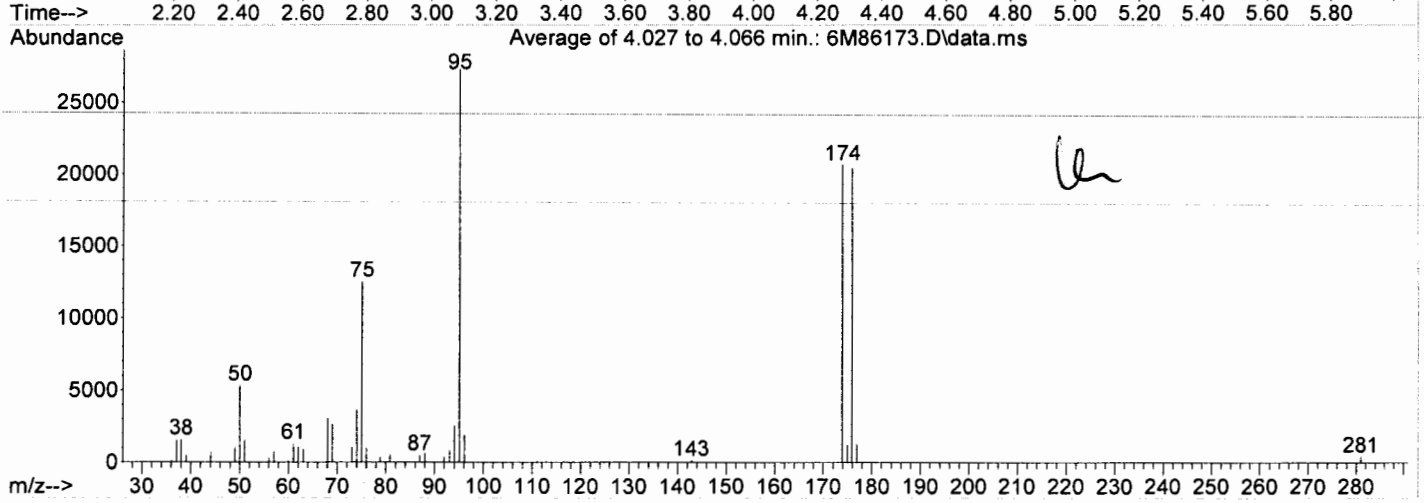
Data File	Sample Number	Analysis Date:
6M86174.D	CAL @ 50 PPB	07/18/12 12:07
6M86175.D	BLK	07/18/12 12:23
6M86176.D	DAILY BLANK	07/18/12 12:39
6M86177.D	MBS18816	07/18/12 12:55
6M86178.D	BLK	07/18/12 13:11
6M86179.D	AC67077-001	07/18/12 13:28
6M86180.D	AC67077-002	07/18/12 13:44
6M86181.D	AC67077-003	07/18/12 14:00
6M86182.D	AC67077-004	07/18/12 14:32
6M86183.D	AC67077-005	07/18/12 14:48
6M86184.D	AC67047-010	07/18/12 15:04
6M86185.D	AC67086-003	07/18/12 15:20
6M86186.D	AC67076-003	07/18/12 15:36
6M86187.D	AC67010-001(MS)	07/18/12 15:52
6M86188.D	AC67010-001(MSD	07/18/12 16:08
6M86189.D	BLK	07/18/12 16:25
6M86190.D	AC67070-001	07/18/12 16:41
6M86191.D	AC67070-002	07/18/12 16:57
6M86192.D	BLK	07/18/12 17:13
6M86193.D	MBS18819	07/18/12 17:29
6M86194.D	AC67070-003	07/18/12 17:55
6M86195.D	AC67076-001	07/18/12 18:11
6M86196.D	AC67076-002	07/18/12 18:27
6M86197.D	AC67076-004	07/18/12 18:43
6M86198.D	AC67076-005	07/18/12 18:59
6M86199.D	AC67076-006	07/18/12 19:15
6M86200.D	AC67076-008	07/18/12 19:31
6M86201.D	AC67076-009	07/18/12 19:47
6M86202.D	AC67076-010	07/18/12 20:03
6M86203.D	AC67059-001	07/19/12 08:18

Data Path : G:\GcMsData\2012\gcms_6\Data\07-18-12\
Data File : 6M86173.D
Acq On : 18 Jul 2012 11:51
Operator : WP
Sample : BFB TUNE
Misc : S,5G
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2012\gcms_6\MethodQt\6M_S0712.M
Title : @GCMS_6,ug,624,8260
Last Update : Thu Jul 12 13:34:13 2012





Spectrum Information: Average of 4.027 to 4.066 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.5	5317	PASS
75	95	30	60	45.8	12494	PASS
95	95	100	100	100.0	27280	PASS
96	95	5	9	7.0	1916	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	75.6	20634	PASS
175	174	5	9	5.8	1194	PASS
176	174	95	101	98.9	20403	PASS
177	176	5	9	6.4	1303	PASS

Method: EPA 8260B

Initial Calibration

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	2M86809.	CAL @ 20 PPB	07/05/12 12:53	2	2M86808.	CAL @ 5 PPB	07/05/12 12:36
3	2M86807.	CAL @ 2 PPB	07/05/12 12:20	4	2M86810.	CAL @ 50 PPB	07/05/12 13:09
5	2M86811.	CAL @ 100 PPB	07/05/12 13:25	6	2M86812.	CAL @ 250 PPB	07/05/12 13:41
7	2M86813.	CAL @ 500 PPB	07/05/12 13:57	8	2M86806.	CAL @ 1 PPB	07/05/12 12:04
9	2M86805.	CAL @ 0.5 PPB	07/05/12 11:47				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Chlorodifluoromethane	1	0	Avg	1.2039	1.3939	1.6911	1.3479	1.2868	1.2149	-----	-----	-----	1.36	1.48	0.999	1.00	13		20.00	5.00	2.00	50.00	100.0	250.0			
Dichlorodifluoromethan	1	0	Avg	0.9657	1.0874	1.2257	1.1057	1.0597	0.9947	-----	-----	-----	1.07	1.48	0.999	1.00	8.6		20.00	5.00	2.00	50.00	100.0	250.0			
Chloromethane	1	0	Avg	0.6969	0.7832	0.9420	0.8011	0.7667	0.7256	-----	-----	-----	0.786	1.61	0.999	1.00	11	**(0.100)	20.00	5.00	2.00	50.00	100.0	250.0			
Bromomethane	1	0	Avg	0.3559	0.4265	0.5059	0.4127	0.4259	0.3966	-----	-----	-----	0.421	1.95	0.999	1.00	12		20.00	5.00	2.00	50.00	100.0	250.0			
Vinyl Chloride	1	0	Avg	0.6358	0.7674	0.8192	0.8417	0.7356	0.7608	-----	-----	-----	0.760	1.69	0.999	0.999	9.5	*(30)	20.00	5.00	2.00	50.00	100.0	250.0			
Chloroethane	1	0	LinF	0.3887	0.4595	0.7014	0.4325	0.4437	0.4219	-----	-----	-----	0.475	2.03	0.999	1.00	24		20.00	5.00	2.00	50.00	100.0	250.0			
Trichlorofluoromethane	1	0	LinF	1.1424	1.3750	2.0386	1.3174	1.2924	1.1778	-----	-----	-----	1.39	2.22	0.998	1.00	24		20.00	5.00	2.00	50.00	100.0	250.0			
Ethyl ether	1	0	Avg	0.2176	0.2206	0.2437	0.2416	0.2415	0.2308	-----	-----	-----	0.233	2.43	1.00	1.00	4.9		20.00	5.00	2.00	50.00	100.0	250.0			
Furan	1	0	Avg	1.0957	1.1865	1.4672	1.2759	1.2650	1.1902	-----	-----	-----	1.25	2.46	0.999	1.00	10		20.00	5.00	2.00	50.00	100.0	250.0			
1.1.2-Trichloro-1.2.2-tri	1	0	Avg	0.5508	0.5776	0.7123	0.6088	0.5845	0.5045	-----	-----	-----	0.590	2.60	0.995	1.00	12		20.00	5.00	2.00	50.00	100.0	250.0			
Methylene Chloride	1	0	Avg	0.3904	0.5022	0.5592	0.4424	0.4317	0.4041	-----	-----	-----	0.455	2.99	0.999	1.00	14		20.00	5.00	2.00	50.00	100.0	250.0			
Acrolein	1	0	Avg	0.0150	0.0177	0.0185	0.0167	0.0177	0.0169	-----	-----	-----	0.0171	2.53	0.999	1.00	7.0		100.0	25.00	10.00	250.0	500.0	1250.			
Acrylonitrile	1	0	Avg	0.0507	0.0559	0.0385	0.0587	0.0613	0.0555	-----	-----	-----	0.0535	3.18	0.998	1.00	15		20.00	5.00	2.00	50.00	100.0	250.0			
Iodomethane	1	0	Avg	0.7280	0.7238	0.7865	0.8800	0.8971	0.8551	-----	-----	-----	0.812	2.74	0.999	1.00	9.4		20.00	5.00	2.00	50.00	100.0	250.0			
Acetone	1	0	Lin	0.0486	0.0925	0.1506	0.0540	0.0507	0.0453	-----	-----	-----	0.0737	2.65	0.998	0.999	56		100.0	25.00	10.00	250.0	500.0	1250.			
Carbon Disulfide	1	0	Avg	1.4179	1.4448	1.6602	1.6924	1.7118	1.5935	-----	-----	-----	1.59	2.80	0.999	1.00	8.0		20.00	5.00	2.00	50.00	100.0	250.0			
t-Butyl Alcohol	1	0	Avg	0.0109	0.0114	0.0082	0.0114	0.0105	0.0104	-----	-----	-----	0.0105	3.05	1.00	1.00	11		100.0	25.00	10.00	250.0	500.0	1250.			
n-Hexane	1	0	Avg	0.7068	0.6712	0.7406	0.7751	0.7767	0.6810	-----	-----	-----	0.725	3.41	0.996	1.00	6.3		20.00	5.00	2.00	50.00	100.0	250.0			
Di-isopropyl-ether	1	0	Avg	1.1023	1.0790	1.2029	1.1736	1.2127	1.1621	-----	-----	-----	1.16	3.58	1.00	1.00	4.7		20.00	5.00	2.00	50.00	100.0	250.0			
1.1-Dichloroethene	1	0	Avg	0.9853	1.0754	1.3230	1.1569	1.1244	1.0486	-----	-----	-----	1.12	2.61	0.999	1.00	10	*(30)	20.00	5.00	2.00	50.00	100.0	250.0			
Methyl Acetate	1	0	Avg	0.1496	0.1861	0.2092	0.1783	0.1651	0.1542	-----	-----	-----	0.174	2.90	0.998	1.00	13		20.00	5.00	2.00	50.00	100.0	250.0			
Methyl-t-butyl ether	1	0	Avg	0.6022	0.6251	0.6350	0.6695	0.6544	0.6085	-----	0.8743	-----	0.667	3.19	0.999	1.00	14		20.00	5.00	2.00	50.00	100.0	250.0		1.00	
1.1-Dichloroethane	1	0	Avg	0.8418	0.7711	0.9033	0.9103	0.9217	0.8889	-----	-----	-----	0.873	3.55	1.00	1.00	6.5	**(0.100)	20.00	5.00	2.00	50.00	100.0	250.0			
trans-1.2-Dichloroether	1	0	Avg	0.5556	0.5935	0.7300	0.5665	0.5752	0.5198	-----	-----	-----	0.590	3.20	0.998	1.00	12		20.00	5.00	2.00	50.00	100.0	250.0			
cis-1.2-Dichloroethene	1	0	Avg	0.8030	0.7970	0.8815	0.9482	0.8585	0.8198	-----	-----	-----	0.851	3.99	0.999	1.00	6.8		20.00	5.00	2.00	50.00	100.0	250.0			
Bromochloromethane	1	0	Avg	0.2341	0.2068	0.2619	0.2749	0.2604	0.2466	-----	-----	-----	0.248	4.16	0.999	1.00	9.8		20.00	5.00	2.00	50.00	100.0	250.0			
2.2-Dichloropropane	1	0	Avg	0.7331	0.6678	0.7046	0.8584	0.7905	0.7706	-----	-----	-----	0.754	4.00	0.999	1.00	9.0		20.00	5.00	2.00	50.00	100.0	250.0			
Ethyl acetate	1	0	Avg	0.2141	0.2511	0.2941	0.2399	0.2240	0.1946	-----	-----	-----	0.236	4.03	0.995	1.00	15		20.00	5.00	2.00	50.00	100.0	250.0			
1.4-Dioxane	1	0	Avg	0.0012	0.0009	0.0010	0.0012	0.0012	0.0013	-----	-----	-----	0.00118	5.20	1.00	1.00	11		1000.	250.0	100.0	2500.	5000.	1250			
1.1-Dichloropropene	1	0	Avg	0.8757	0.8582	0.9212	0.8497	0.8771	0.7955	-----	-----	-----	0.863	4.44	0.998	1.00	4.8		20.00	5.00	2.00	50.00	100.0	250.0			
Chloroform	1	0	Avg	0.8872	0.8309	0.9894	0.9908	0.8909	0.8527	-----	-----	-----	0.907	4.21	0.999	1.00	7.5	*(30)	20.00	5.00	2.00	50.00	100.0	250.0			
Dibromofluoromethane	1	0	Avg	0.2796	0.2589	0.2620	0.2818	0.2765	0.2655	0.2546	0.2697	0.2711	0.269	4.32	-1	-1	3.5		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Cyclohexane	1	0	Avg	0.8296	0.7876	0.8387	0.8601	0.8784	0.8036	-----	-----	-----	0.833	4.38	0.998	1.00	4.1		20.00	5.00	2.00	50.00	100.0	250.0			
1.2-Dichloroethane-d4	1	0	Avg	0.1275	0.1230	0.1239	0.1140	0.1237	0.1173	0.1191	0.1273	0.1201	0.122	4.54	-1	-1	3.7		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
1.2-Dichloroethane	1	0	Avg	0.5599	0.5392	0.6092	0.5263	0.5402	0.4998	-----	-----	-----	0.546	4.59	0.999	1.00	6.8		20.00	5.00	2.00	50.00	100.0	250.0			
2-Butanone	1	0	LinF	0.0471	0.0584	0.0899	0.0607	0.0524	0.0680	-----	-----	-----	0.0628	4.00	0.991	0.999	24		20.00	5.00	2.00	50.00	100.0	250.0			
1.1.1-Trichloroethane	1	0	Avg	0.9802	0.9342	0.9822	0.9482	1.0187	0.9592	-----	-----	-----	0.971	4.34	0.999	1.00	3.1		20.00	5.00	2.00	50.00	100.0	250.0			
Carbon Tetrachloride	1	0	Avg	0.8313	0.8002	0.8417	0.8379	0.8722	0.8006	-----	-----	-----	0.831	4.45	0.999	1.00	3.3		20.00	5.00	2.00	50.00	100.0	250.0			
Vinyl Acetate	1	0	Avg	0.7940	0.7462	0.8533	0.8034	0.8097	0.7727	-----	-----	-----	0.797	3.58	1.00	1.00	4.5		20.00	5.00	2.00	50.00	100.0	250.0			
Bromodichloromethane	1	0	Avg	0.5088	0.4284	0.4917	0.5224	0.5546	0.5363	-----	-----	-----	0.507	5.28	1.00	1.00	8.7		20.00	5.00	2.00	50.00	100.0	250.0			
Methylcyclohexane	1	0	Avg	0.9015	0.8274	0.8453	0.9272	0.9224	0.8544	-----	-----	-----	0.880	5.10	0.999	1.00	4.9		20.00	5.00	2.00	50.00	100.0	250.0			

Flags
a - failed the spcc criteria — ** - ccc compound*
b - failed the ccc criteria — *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 10.9
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

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Method: EPA 8260B

Initial Calibration

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	2M86809.	CAL @ 20 PPB	07/05/12 12:53	2	2M86808.	CAL @ 5 PPB	07/05/12 12:36
3	2M86807.	CAL @ 2 PPB	07/05/12 12:20	4	2M86810.	CAL @ 50 PPB	07/05/12 13:09
5	2M86811.	CAL @ 100 PPB	07/05/12 13:25	6	2M86812.	CAL @ 250 PPB	07/05/12 13:41
7	2M86813.	CAL @ 500 PPB	07/05/12 13:57	8	2M86806.	CAL @ 1 PPB	07/05/12 12:04
9	2M86805.	CAL @ 0.5 PPB	07/05/12 11:47				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
bromomethane	1	0	Avg	0.2066	0.1818	0.2399	0.2069	0.2001	0.1917	-----	-----	-----	0.205	5.20	1.00	1.00	9.7		20.00	5.00	2.00	50.00	100.0	250.0			
1.2-Dichloropropane	1	0	Avg	0.3582	0.3653	0.3882	0.3683	0.3721	0.3607	-----	-----	-----	0.369	5.12	1.00	1.00	2.9	*(30)	20.00	5.00	2.00	50.00	100.0	250.0			
Trichloroethene	1	0	Avg	0.5746	0.5530	0.6530	0.5688	0.5831	0.5391	-----	-----	-----	0.579	4.98	0.999	1.00	6.9		20.00	5.00	2.00	50.00	100.0	250.0			
Benzene	1	0	LinF	1.6201	1.6673	2.0469	1.6273	1.6985	1.6121	-----	2.6252	-----	1.84	4.58	1.00	1.00	20		20.00	5.00	2.00	50.00	100.0	250.0		1.00	
Iso-propylacetate	1	0	Avg	0.7202	0.6169	0.7573	0.6438	0.6318	0.6148	-----	-----	-----	0.664	4.59	1.00	1.00	9.0		20.00	5.00	2.00	50.00	100.0	250.0			
Methyl methacrylate	1	0	Avg	1.8109	1.6697	1.9432	1.5247	1.6438	1.5629	-----	-----	-----	1.69	5.16	0.999	1.00	9.3		20.00	5.00	2.00	50.00	100.0	250.0			
Dibromochloromethane	1	0	Avg	0.4215	0.3465	0.3765	0.4626	0.4559	0.4670	-----	-----	-----	0.422	6.24	1.00	1.00	12		20.00	5.00	2.00	50.00	100.0	250.0			
2-Chloroethylvinylether	1	0	Avg	0.2087	0.1642	0.1756	0.1852	0.1884	0.1858	-----	-----	-----	0.185	5.45	1.00	1.00	8.0		20.00	5.00	2.00	50.00	100.0	250.0			
cis-1.3-Dichloropropene	1	0	Avg	0.8791	0.6003	0.7391	0.8053	0.8158	0.8346	-----	-----	-----	0.779	5.55	1.00	1.00	13		20.00	5.00	2.00	50.00	100.0	250.0			
trans-1.3-Dichloroprope	1	0	LinF	0.6660	0.4381	0.4387	0.6411	0.6456	0.6675	-----	-----	-----	0.583	5.88	1.00	1.00	19		20.00	5.00	2.00	50.00	100.0	250.0			
Ethyl methacrylate	1	0	Avg	0.3362	0.2393	0.3436	0.3141	0.2909	0.2836	-----	-----	-----	0.301	5.91	0.999	1.00	13		20.00	5.00	2.00	50.00	100.0	250.0			
1.1.2-Trichloroethane	1	0	Avg	0.3538	0.3100	0.3520	0.3397	0.3081	0.3076	-----	-----	-----	0.329	6.00	1.00	1.00	6.8		20.00	5.00	2.00	50.00	100.0	250.0			
1.2-Dibromoethane	1	0	Avg	0.3152	0.3229	0.3644	0.3501	0.3275	0.3203	-----	-----	-----	0.333	6.33	1.00	1.00	5.8		20.00	5.00	2.00	50.00	100.0	250.0			
1.3-Dichloropropane	1	0	Avg	0.6531	0.5955	0.6973	0.6366	0.5914	0.5622	-----	-----	-----	0.623	6.10	0.999	1.00	7.9		20.00	5.00	2.00	50.00	100.0	250.0			
4-Methyl-2-Pentanone	1	0	Avg	0.2819	0.2357	0.2361	0.2378	0.2393	0.2429	-----	-----	-----	0.246	5.63	1.00	1.00	7.3		20.00	5.00	2.00	50.00	100.0	250.0			
2-Hexanone	1	0	Avg	0.1794	0.1559	0.1592	0.1784	0.1647	0.1625	-----	-----	-----	0.167	6.12	1.00	1.00	5.9		20.00	5.00	2.00	50.00	100.0	250.0			
Tetrachloroethene	1	0	Avg	0.9025	0.8355	0.9716	0.8729	0.7935	0.7477	-----	-----	-----	0.854	6.09	0.999	1.00	9.3		20.00	5.00	2.00	50.00	100.0	250.0			
Toluene-d8	1	0	Avg	1.9374	1.6307	1.5838	1.7330	1.5999	1.5905	1.5402	1.6277	1.5739	1.65	5.72	-1	-1	7.4		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Toluene	1	0	LinF	2.1640	1.8441	2.3549	1.8869	1.7548	1.6986	-----	3.3971	-----	2.16	5.76	0.999	1.00	28	*(30)	20.00	5.00	2.00	50.00	100.0	250.0		1.00	
1.1.1.2-Tetrachloroetha	1	0	Avg	0.5957	0.5215	0.5973	0.5989	0.5905	0.5676	-----	-----	-----	0.579	6.65	1.00	1.00	5.2		20.00	5.00	2.00	50.00	100.0	250.0			
Chlorobenzene	1	0	LinF	1.7853	1.8752	2.5003	1.7395	1.7110	1.6326	-----	-----	-----	1.87	6.62	1.00	1.00	17	**(0.300)	20.00	5.00	2.00	50.00	100.0	250.0			
n-Butyl acrylate	1	0	Avg	1.0228	0.9645	1.0374	1.1669	1.2059	1.1867	-----	-----	-----	1.10	6.90	1.00	1.00	9.2		20.00	5.00	2.00	50.00	100.0	250.0			
n-Amyl acetate	1	0	Avg	1.2918	1.1509	1.1939	1.3308	1.3453	1.3114	-----	-----	-----	1.27	7.03	1.00	1.00	6.3		20.00	5.00	2.00	50.00	100.0	250.0			
Bromoform	1	0	Avg	0.4015	0.3887	0.4041	0.4510	0.4847	0.5026	-----	-----	-----	0.439	7.12	1.00	1.00	11	**(0.100)	20.00	5.00	2.00	50.00	100.0	250.0			
Ethylbenzene	1	0	LinF	1.7372	1.6999	1.8654	1.7025	1.5946	1.5695	-----	3.1926	-----	1.91	6.66	1.00	1.00	30	*(30)	20.00	5.00	2.00	50.00	100.0	250.0		1.00	
1.1.2.2-Tetrachloroetha	1	0	Avg	0.5918	0.5889	0.5289	0.5644	0.5833	0.5406	-----	-----	-----	0.566	7.36	0.999	1.00	4.7	**(0.300)	20.00	5.00	2.00	50.00	100.0	250.0			
Bromofluorobenzene	1	0	Avg	0.9923	1.0256	0.9535	0.9709	0.9642	0.9820	0.9609	1.1456	0.9683	0.996	7.30	-1	-1	6.0		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Styrene	1	0	Avg	3.5886	3.3390	3.6197	3.8259	3.8053	3.6005	-----	-----	-----	3.63	6.98	0.999	1.00	4.9		20.00	5.00	2.00	50.00	100.0	250.0			
m&p-Xylenes	1	0	LinF	2.7658	2.9589	3.0565	2.7919	2.7245	2.5512	-----	5.1466	4.5890	3.32	6.73	0.999	1.00	29		40.00	10.00	4.00	100.0	200.0	500.0		2.00	1.00
o-Xylene	1	0	LinF	2.5154	2.4233	2.9270	2.5351	2.5267	2.3228	-----	4.2580	-----	2.79	6.98	0.999	1.00	24		20.00	5.00	2.00	50.00	100.0	250.0		1.00	
trans-1.4-Dichloro-2-bu	1	0	Avg	0.8040	0.8110	0.7740	0.7927	0.7939	0.7376	-----	-----	-----	0.786	7.38	0.999	1.00	3.4		20.00	5.00	2.00	50.00	100.0	250.0			
1.3-Dichlorobenzene	1	0	Avg	2.6428	2.4935	2.7599	2.5090	2.5517	2.4180	-----	-----	-----	2.56	7.99	1.00	1.00	4.7		20.00	5.00	2.00	50.00	100.0	250.0			
1.4-Dichlorobenzene	1	0	Avg	2.3754	2.3177	2.6401	2.3666	2.3475	2.1919	-----	-----	-----	2.37	8.05	0.999	1.00	6.2		20.00	5.00	2.00	50.00	100.0	250.0			
1.2-Dichlorobenzene	1	0	Avg	1.8840	1.8396	1.9541	1.9326	1.8782	1.7455	-----	-----	-----	1.87	8.30	0.999	1.00	4.0		20.00	5.00	2.00	50.00	100.0	250.0			
Isopropylbenzene	1	0	LinF	7.8973	7.5307	8.2033	7.9595	7.8967	7.4900	-----	12.404	-----	8.48	7.19	0.999	1.00	21		20.00	5.00	2.00	50.00	100.0	250.0		1.00	
Cyclohexanone	1	0	LinF	0.0164	0.0116	0.0202	0.0130	0.0123	0.0131	-----	-----	-----	0.0145	7.28	0.999	0.999	23		100.0	25.00	10.00	250.0	500.0	1250.			
Camphene	1	0	Avg	3.1798	2.9714	3.1203	3.2059	3.2488	3.0527	-----	-----	-----	3.13	7.38	0.999	1.00	3.3		20.00	5.00	2.00	50.00	100.0	250.0			
1.2.3-Trichloropropane	1	0	Avg	0.8867	0.9549	0.9490	0.9232	0.9401	0.8884	-----	-----	-----	0.924	7.41	0.999	1.00	3.2		20.00	5.00	2.00	50.00	100.0	250.0			
2-Chlorotoluene	1	0	Avg	3.9012	3.7485	4.0867	3.8373	3.7999	3.4854	-----	-----	-----	3.81	7.52	0.999	1.00	5.2		20.00	5.00	2.00	50.00	100.0	250.0			
p-Ethyltoluene	1	0	Avg	8.8008	8.1852	9.6143	8.6662	8.8085	7.9023	-----	-----	-----	8.66	7.51	0.998	1.00	6.8		20.00	5.00	2.00	50.00	100.0	250.0			
4-Chlorotoluene	1	0	Avg	3.7685	3.4645	3.7743	3.3440	3.5915	3.3903	-----	-----	-----	3.56	7.59	0.999	1.00	5.3		20.00	5.00	2.00	50.00	100.0	250.0			

Flags
a - failed the spcc criteria — ** - ccc compound*
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c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 10.9
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

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Method: EPA 8260B

Initial Calibration

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	2M86809.	CAL @ 20 PPB	07/05/12 12:53	2	2M86808.	CAL @ 5 PPB	07/05/12 12:36
3	2M86807.	CAL @ 2 PPB	07/05/12 12:20	4	2M86810.	CAL @ 50 PPB	07/05/12 13:09
5	2M86811.	CAL @ 100 PPB	07/05/12 13:25	6	2M86812.	CAL @ 250 PPB	07/05/12 13:41
7	2M86813.	CAL @ 500 PPB	07/05/12 13:57	8	2M86806.	CAL @ 1 PPB	07/05/12 12:04
9	2M86805.	CAL @ 0.5 PPB	07/05/12 11:47				

ompound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
4-Propylbenzene	1	0	LinF	9.2849	8.5236	9.5201	9.1034	9.0977	8.6476	-----	14.138	-----	9.76	7.45	1.00	1.00	20	20.00	5.00	2.00	50.00	100.0	250.0		1.00	
Bromobenzene	1	0	Avg	3.0332	2.9495	3.2762	2.8047	2.8946	2.6973	-----	-----	-----	2.94	7.42	0.999	1.00	6.8	20.00	5.00	2.00	50.00	100.0	250.0			
1.3.5-Trimethylbenzene	1	0	LinF	6.0543	5.8277	6.1781	5.3703	5.6958	5.5140	-----	9.5366	-----	6.31	7.54	1.00	1.00	23	20.00	5.00	2.00	50.00	100.0	250.0		1.00	
Butyl methacrylate	1	0	Avg	2.3412	1.9961	2.3541	2.2271	2.3913	2.2035	-----	-----	-----	2.25	7.55	0.999	1.00	6.5	20.00	5.00	2.00	50.00	100.0	250.0			
t-Butylbenzene	1	0	Avg	5.9325	5.4217	5.8101	6.0231	5.9961	5.6934	-----	7.3993	-----	6.04	7.76	0.999	1.00	11	20.00	5.00	2.00	50.00	100.0	250.0		1.00	
1.2.4-Trimethylbenzene	1	0	LinF	5.6158	5.3453	6.2790	5.6168	5.6085	5.3104	-----	8.4693	-----	6.04	7.78	0.999	1.00	19	20.00	5.00	2.00	50.00	100.0	250.0		1.00	
sec-Butylbenzene	1	0	Avg	7.7725	6.8625	7.0663	7.8318	7.8239	7.5455	-----	10.110	-----	7.86	7.89	1.00	1.00	14	20.00	5.00	2.00	50.00	100.0	250.0		1.00	
4-Isopropyltoluene	1	0	Avg	6.2024	5.4230	5.9990	6.2405	6.3290	6.0515	-----	6.6993	-----	6.13	7.97	1.00	1.00	6.3	20.00	5.00	2.00	50.00	100.0	250.0		1.00	
n-Butylbenzene	1	0	Avg	7.1391	6.1489	6.3325	7.5724	7.2208	6.7809	-----	7.9793	-----	7.02	8.24	0.999	1.00	9.3	20.00	5.00	2.00	50.00	100.0	250.0		1.00	
p-Diethylbenzene	1	0	Avg	3.3576	2.8774	3.0286	3.5525	3.4294	3.2981	-----	-----	-----	3.26	8.22	1.00	1.00	7.8	20.00	5.00	2.00	50.00	100.0	250.0			
1.2.4.5-Tetramethylber	1	0	Avg	2.7345	2.3746	2.6945	3.1641	3.1968	2.9374	-----	-----	-----	2.85	8.72	0.998	1.00	11	20.00	5.00	2.00	50.00	100.0	250.0			
1.2-Dibromo-3-Chloro	1	0	LinF	0.0519	0.0430	0.0509	0.0682	0.0688	0.0685	-----	-----	-----	0.0586	8.80	1.00	1.00	19	20.00	5.00	2.00	50.00	100.0	250.0			
Camphor	1	0	Avg	0.0159	0.0143	0.0186	0.0181	0.0193	0.0209	-----	-----	-----	0.0179	9.28	0.999	1.00	13	200.0	50.00	20.00	500.0	1000.	2500.			
Hexachlorobutadiene	1	0	Avg	0.8114	0.6928	0.7611	0.9035	0.9177	0.8397	-----	-----	-----	0.821	9.43	0.998	1.00	10	20.00	5.00	2.00	50.00	100.0	250.0			
1.2.4-Trichlorobenzene	1	0	Avg	0.5369	0.5163	0.6429	0.5961	0.5830	0.5160	-----	-----	-----	0.565	9.34	0.997	1.00	9.0	20.00	5.00	2.00	50.00	100.0	250.0			
1.2.3-Trichlorobenzene	1	0	Lin	0.2518	0.2838	0.3108	0.2827	0.2925	0.2484	-----	-----	-----	0.278	9.67	0.995	0.999	8.7	20.00	5.00	2.00	50.00	100.0	250.0			
Naphthalene	1	0	Lin	0.3345	0.4034	0.5688	0.3926	0.4284	0.3681	-----	0.8513	-----	0.478	9.52	0.996	0.999	38	20.00	5.00	2.00	50.00	100.0	250.0		1.00	

Flags
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Note: Avg Rsd: 10.9
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Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

20070213 0105

Method: EPA 8260B

Initial Calibration

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	6M85750.	CAL @ 20 PPB	07/09/12 12:19	2	6M85745.	CAL @ 5 PPB	07/09/12 10:58
3	6M85743.	CAL @ 2 PPB	07/09/12 10:26	4	6M85749.	CAL @ 50 PPB	07/09/12 12:02
5	6M85748.	CAL @ 100 PPB	07/09/12 11:46	6	6M85747.	CAL @ 250 PPB	07/09/12 11:30
7	6M85746.	CAL @ 500 PPB	07/09/12 11:14	8	6M85744.	CAL @ 1 PPB	07/09/12 10:42
9	6M85742.	CAL @ 0.5 PPB	07/09/12 10:10				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Chlorodifluoromethane	1	0	Avg	-----	-----	-----	-----	-----	-----	-----	-----	-----	0	1.37	-1	-1	-1										
Dichlorodifluoromethan	1	0	Avg	0.9819	1.0528	1.3900	1.1032	1.0754	1.0659	1.3104	-----	-----	1.14	1.36	0.992	0.999	13		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Chloromethane	1	0	Avg	0.7611	0.5370	0.5983	0.6052	0.6494	0.6999	0.8223	-----	-----	0.668	1.50	0.994	1.00	15	**(0.100)	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Bromomethane	1	0	Avg	0.4644	0.3896	0.4448	0.3854	0.3873	0.4256	0.4831	-----	-----	0.426	1.82	0.996	1.00	9.4		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Vinyl Chloride	1	0	Avg	0.8010	0.6715	0.8151	0.7013	0.7486	0.7547	0.8291	-----	-----	0.760	1.58	0.998	1.00	7.8	*(30)	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Chloroethane	1	0	Avg	0.4173	0.3878	0.4735	0.3831	0.4177	0.4064	0.4533	-----	-----	0.420	1.90	0.997	1.00	7.9		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Trichlorofluoromethane	1	0	LinF	0.7350	0.7150	1.2449	0.7196	0.7317	0.6768	0.7978	-----	-----	0.803	2.10	0.994	0.999	25		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Ethyl ether	1	0	Avg	0.4933	0.3829	0.4426	0.4694	0.4147	0.4327	0.4527	-----	-----	0.441	2.30	0.999	1.00	8.2		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Furan	1	0	Avg	1.9680	1.7114	2.0209	1.9036	1.6628	1.8311	1.9794	-----	-----	1.87	2.33	0.998	1.00	7.4		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1.1.2-Trichloro-1.2.2-tri	1	0	LinF	0.7751	0.9236	1.4265	0.9533	0.8786	-----	-----	-----	-----	0.991	2.48	0.997	0.997	25		20.00	5.00	2.00	50.00	100.0				
Methylene Chloride	1	0	Avg	0.7498	0.6609	0.9019	0.6710	0.6350	0.6727	0.7462	-----	-----	0.720	2.83	0.997	1.00	13		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Acrolein	1	0	Avg	0.0360	0.0275	0.0350	0.0337	0.0317	0.0375	0.0411	-----	-----	0.0347	2.39	0.997	1.00	12		100.0	25.00	10.00	250.0	500.0	1250.	2500.		
Acrylonitrile	1	0	LinF	0.0823	0.0544	0.0723	0.0750	0.0727	0.0861	0.0962	-----	-----	0.0770	3.00	0.996	1.00	17		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Iodomethane	1	0	Avg	1.2619	1.1245	1.2777	1.2265	0.9479	1.2884	1.5110	-----	-----	1.23	2.59	0.991	0.999	14		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Acetone	1	0	LinF	0.1158	0.1200	0.1907	0.0981	0.0902	0.0976	0.1059	-----	-----	0.117	2.50	0.998	1.00	29		100.0	25.00	10.00	250.0	500.0	1250.	2500.		
Carbon Disulfide	1	0	Avg	1.6582	1.3853	1.9101	1.8101	1.8860	1.8593	2.1510	-----	-----	1.81	2.66	0.996	1.00	13		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
t-Butyl Alcohol	1	0	Avg	0.0225	0.0156	0.0181	0.0210	0.0210	0.0216	0.0230	-----	-----	0.0205	2.90	0.999	1.00	13		100.0	25.00	10.00	250.0	500.0	1250.	2500.		
n-Hexane	1	0	LinF	0.9394	0.8380	1.6009	1.2031	0.9882	0.8793	0.9327	-----	-----	1.05	3.27	0.998	0.998	25		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Di-isopropyl-ether	1	0	Avg	2.3659	2.0275	2.2601	2.4940	2.3097	2.1190	2.1675	-----	-----	2.25	3.43	0.999	0.999	7.0		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1.1-Dichloroethene	1	0	Avg	1.2998	1.1863	1.6510	1.3092	1.2606	1.1819	1.3009	-----	-----	1.31	2.49	0.998	0.999	12	*(30)	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Methyl Acetate	1	0	Avg	0.3561	0.2888	0.3551	0.3319	0.3078	0.3361	0.3673	-----	-----	0.335	2.76	0.998	1.00	8.4		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Methyl-t-butyl ether	1	0	Avg	1.4907	1.1947	1.2100	1.4224	1.4501	1.3030	1.1784	1.1526	-----	1.30	3.05	0.996	1.00	10		20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
1.1-Dichloroethane	1	0	Avg	1.2845	1.1100	1.3513	1.2600	1.2431	1.2139	1.3679	-----	-----	1.26	3.38	0.997	1.00	6.9	**(0.100)	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
trans-1.2-Dichloroether	1	0	Avg	0.6748	0.6433	0.8431	0.6880	0.6331	0.5859	0.6460	-----	-----	0.674	3.05	0.998	0.999	12		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
cis-1.2-Dichloroethene	1	0	Avg	1.3510	1.1584	1.4583	1.3361	1.2797	1.1800	1.2309	-----	-----	1.28	3.82	0.999	1.00	8.2		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Bromochloromethane	1	0	Avg	0.4732	0.3882	0.4620	0.4407	0.4395	0.4492	0.4969	-----	-----	0.450	3.98	0.998	1.00	7.5		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
2.2-Dichloropropane	1	0	Avg	1.0193	1.0239	1.3091	1.3171	1.1830	0.9032	-----	-----	-----	1.13	3.83	0.980	0.999	15		20.00	5.00	2.00	50.00	100.0	250.0			
Ethyl acetate	1	0	Avg	0.5796	0.4360	0.5239	0.5451	0.5251	0.5490	0.5663	-----	-----	0.532	3.87	1.00	1.00	8.8		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1.4-Dioxane	1	0	Avg	0.0023	0.0016	0.0024	0.0022	0.0020	0.0022	0.0026	-----	-----	0.00223	4.92	0.993	1.00	15		1000.	250.0	100.0	2500.	5000.	1250	2500		
1.1-Dichloropropene	1	0	LinF	1.2112	1.1946	1.7829	1.3322	1.1896	-----	-----	-----	-----	1.34	4.27	0.996	0.999	19		20.00	5.00	2.00	50.00	100.0				
Chloroform	1	0	LinF	1.3201	1.1777	1.3522	1.2491	1.1278	1.2000	1.3512	-----	-----	1.25	4.03	0.996	1.00	7.1	*(30)	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Dibromofluoromethane	1	0	Avg	0.2631	0.2437	0.2291	0.2314	0.2199	0.2655	0.2739	0.2407	0.2299	0.244	4.13	-1	-1	7.8		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Cyclohexane	1	0	LinF	1.4070	1.3254	2.0910	1.6316	1.3911	-----	-----	-----	-----	1.57	4.21	0.992	0.997	20		20.00	5.00	2.00	50.00	100.0				
1.2-Dichloroethane-d4	1	0	Avg	0.1433	0.1436	0.1336	0.1288	0.1180	0.1324	0.1454	-----	0.1299	0.134	4.34	-1	-1	6.9		30.00	30.00	30.00	30.00	30.00	30.00	30.00		30.00
1.2-Dichloroethane	1	0	Avg	0.9833	0.9188	1.0517	0.9277	0.8679	0.7833	0.7729	-----	-----	0.901	4.39	0.999	1.00	11		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
2-Butanone	1	0	LinF	0.1717	0.1719	0.2319	0.1750	0.1381	0.1334	0.1260	-----	-----	0.164	3.82	0.998	0.999	22		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1.1.1-Trichloroethane	1	0	LinF	1.2835	1.3322	1.6787	1.4995	1.3774	1.0683	0.9851	-----	-----	1.32	4.17	0.993	0.997	18		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Carbon Tetrachloride	1	0	LinF	1.0411	1.1546	1.5181	1.2528	0.9653	0.8427	0.7480	-----	-----	1.07	4.27	0.993	0.998	24		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Vinyl Acetate	1	0	LinF	0.4314	0.2545	0.3354	0.4423	0.5353	0.5324	0.5968	-----	-----	0.447	3.43	0.997	1.00	27		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Bromodichloromethane	1	0	Avg	0.8065	0.7118	0.7976	0.9259	0.8423	0.7672	0.7539	-----	-----	0.801	4.98	0.999	0.999	8.6		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Methylcyclohexane	1	0	LinF	1.0293	0.8732	1.4623	1.1337	0.9007	0.8062	0.8252	-----	-----	1.00	4.85	0.998	0.998	23		20.00	5.00	2.00	50.00	100.0	250.0	500.0		

Flags
a - failed the spcc criteria — ** - ccc compound*
b - failed the ccc criteria — *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 16.0
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

2070213 0106

Method: EPA 8260B

Initial Calibration

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	6M85750.	CAL @ 20 PPB	07/09/12 12:19	2	6M85745.	CAL @ 5 PPB	07/09/12 10:58
3	6M85743.	CAL @ 2 PPB	07/09/12 10:26	4	6M85749.	CAL @ 50 PPB	07/09/12 12:02
5	6M85748.	CAL @ 100 PPB	07/09/12 11:46	6	6M85747.	CAL @ 250 PPB	07/09/12 11:30
7	6M85746.	CAL @ 500 PPB	07/09/12 11:14	8	6M85744.	CAL @ 1 PPB	07/09/12 10:42
9	6M85742.	CAL @ 0.5 PPB	07/09/12 10:10				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Dibromomethane	1	0	Avg	0.4285	0.3329	0.4304	0.4028	0.3784	0.3683	0.4020	-----	-----	0.392	4.91	0.998	1.00	8.9		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1.2-Dichloropropane	1	0	Avg	0.6458	0.6001	0.7749	0.6630	0.6280	0.4787	-----	-----	-----	0.632	4.84	0.983	1.00	15	*(30)	20.00	5.00	2.00	50.00	100.0	250.0			
Trichloroethene	1	0	LinF	0.8515	0.8488	1.1249	0.9521	0.6398	0.6750	0.6390	-----	-----	0.819	4.74	0.998	0.998	22		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Benzene	1	0	LinF	2.5245	2.5240	3.3172	2.7970	2.0388	2.0535	1.9366	3.1365	-----	2.54	4.39	0.998	0.999	20		20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
tert-Amyl methyl ether	1	0	Avg	1.2292	0.9702	1.0682	1.3362	1.2794	1.1228	1.1217	-----	-----	1.16	4.45	0.999	0.999	11		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Iso-propylacetate	1	0	Qua	1.4215	1.3398	1.6536	1.8879	2.0831	1.5277	1.3776	-----	-----	1.61	4.41	0.989	0.996	17		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Methyl methacrylate	1	0	Avg	0.4341	0.4139	0.5184	0.5721	0.6337	0.5058	0.5032	-----	-----	0.512	4.89	0.997	0.998	15		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Dibromochloromethane	1	0	Avg	0.6358	0.6882	0.7151	0.9889	0.8229	0.7375	0.7403	-----	-----	0.761	5.79	0.998	0.998	15		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
2-Chloroethylvinylether	1	0	LinF	0.3245	0.2945	0.3674	0.4567	0.4903	0.3581	0.3469	-----	-----	0.377	5.13	0.993	0.995	19		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
cis-1,3-Dichloropropene	1	0	LinF	1.1864	1.1168	1.3631	1.8103	2.0632	-----	-----	-----	-----	1.51	5.21	0.993	0.998	27		20.00	5.00	2.00	50.00	100.0				
trans-1,3-Dichloroprope	1	0	LinF	0.8360	0.7192	0.9696	1.3390	1.5375	-----	-----	-----	-----	1.08	5.48	0.992	0.998	32		20.00	5.00	2.00	50.00	100.0				
Ethyl methacrylate	1	0	LinF	0.5291	0.4191	0.4019	0.6374	0.7002	0.5608	0.5915	-----	-----	0.549	5.52	0.997	0.997	20		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,1,2-Trichloroethane	1	0	Avg	0.5640	0.6162	0.7746	0.7453	0.7746	-----	-----	-----	-----	0.695	5.58	0.997	0.998	14		20.00	5.00	2.00	50.00	100.0				
1,2-Dibromoethane	1	0	Avg	0.5146	0.5893	0.6471	0.7272	0.6191	0.5006	0.5443	-----	-----	0.592	5.86	0.996	0.996	14		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,3-Dichloropropane	1	0	Avg	1.0406	1.1896	1.4586	1.3958	1.4529	-----	-----	-----	-----	1.31	5.67	0.997	0.998	14		20.00	5.00	2.00	50.00	100.0				
4-Methyl-2-Pentanone	1	0	Avg	0.4749	0.4438	0.5513	0.6030	0.6553	0.5046	0.5190	-----	-----	0.536	5.28	0.997	0.997	14		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
2-Hexanone	1	0	LinF	0.2905	0.2275	0.3117	0.3719	0.4068	0.3257	0.3399	-----	-----	0.325	5.70	0.997	0.997	18		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Tetrachloroethene	1	0	Avg	1.0701	1.1205	1.5318	1.2872	1.3590	-----	-----	-----	-----	1.27	5.68	0.998	0.999	15		20.00	5.00	2.00	50.00	100.0				
Toluene-d8	1	0	Avg	1.5346	1.5549	1.6200	1.5509	1.9165	1.6242	1.6320	1.5447	1.5852	1.62	5.36	-1	-1	7.3		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Toluene	1	0	LinF	2.4270	2.3486	3.4609	2.7288	2.9772	2.1167	2.0137	3.4607	-----	2.69	5.39	0.991	0.995	21	*(30)	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
1,1,1,2-Tetrachloroetha	1	0	LinF	0.7096	0.8175	0.9774	1.0314	0.9492	0.6640	0.7090	-----	-----	0.837	6.14	0.992	0.992	18		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Chlorobenzene	1	0	LinF	2.5848	2.4702	3.8616	2.6926	3.1371	2.1824	2.1469	-----	-----	2.73	6.11	0.992	0.994	22	**(0.300)	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
n-Butyl acrylate	1	0	LinF	1.6057	1.1098	1.3566	2.0307	1.7337	1.7453	1.9415	-----	-----	1.65	6.36	0.997	0.999	20		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
n-Amyl acetate	1	0	LinF	2.0531	1.4652	1.8643	2.4687	2.2259	1.9869	2.2029	-----	-----	2.04	6.48	0.997	0.999	16		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Bromoform	1	0	LinF	0.5650	0.5793	0.8395	0.8636	0.6576	0.6748	-----	-----	-----	0.697	6.53	0.996	0.996	18	**(0.100)	20.00	5.00	2.00	50.00	100.0	250.0			
Ethylbenzene	1	0	Lin	2.6885	2.3104	3.6514	2.7768	1.7595	1.7933	1.5522	2.9163	-----	2.43	6.16	0.991	0.997	29	*(30)	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
1,1,2,2-Tetrachloroetha	1	0	LinF	0.8632	0.8634	1.2548	1.0701	0.8628	0.8176	0.9805	-----	-----	0.959	6.75	0.993	0.998	16	**(0.300)	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Bromofluorobenzene	1	0	Avg	0.9824	0.9530	0.9893	0.9645	0.9181	0.9414	1.0180	1.0138	1.0611	0.982	6.70	-1	-1	4.5		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Styrene	1	0	Qua	4.5704	4.0011	4.8582	4.9571	3.4731	3.1744	2.6519	-----	-----	3.96	6.43	0.987	0.998	22		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
m&p-Xylenes	1	0	Qua	3.1050	2.9563	4.0080	3.3410	2.0657	2.0132	1.6660	3.9816	4.5956	3.08	6.22	0.985	0.996	33		40.00	10.00	4.00	100.0	200.0	500.0	1000.	2.00	1.00
o-Xylene	1	0	LinF	2.8909	2.6800	3.5234	3.1039	2.0807	1.9934	1.7231	3.6025	-----	2.70	6.42	0.991	0.997	26		20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
trans-1,4-Dichloro-2-bu	1	0	LinF	0.7425	0.6536	0.9254	0.8501	0.6806	0.6145	0.6009	-----	-----	0.724	6.77	0.998	0.999	17		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,3-Dichlorobenzene	1	0	Qua	3.5203	3.0120	3.7254	3.6684	2.8954	2.4477	2.0079	-----	-----	3.04	7.29	0.984	0.998	21		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,4-Dichlorobenzene	1	0	Avg	3.5261	3.0627	3.7698	3.7908	2.9221	3.0191	2.8660	-----	-----	3.28	7.34	0.999	0.999	12		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2-Dichlorobenzene	1	0	Avg	3.0196	2.5398	3.3370	3.2104	2.4806	2.7504	2.5592	-----	-----	2.84	7.55	0.998	0.999	12		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Isopropylbenzene	1	0	LinF	9.0792	7.7667	10.271	9.9390	6.8913	6.7673	6.3375	9.5202	-----	8.32	6.61	0.997	0.998	19		20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
Cyclohexanone	1	0	Avg	0.0335	0.0388	0.0436	0.0363	0.0295	0.0323	0.0370	-----	-----	0.0359	6.67	0.995	1.00	13		100.0	25.00	10.00	250.0	500.0	1250.	2500.		
Camphene	1	0	LinF	3.1368	2.6374	3.4004	3.5580	2.8839	2.3221	2.1174	-----	-----	2.87	6.77	0.992	0.997	19		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2,3-Trichloropropane	1	0	LinF	1.1619	1.0666	1.4596	1.2862	1.1151	0.8850	0.8953	-----	-----	1.12	6.78	0.997	0.997	18		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
2-Chlorotoluene	1	0	Qua	6.9842	5.9912	7.6133	6.8772	4.7647	3.8203	-----	-----	-----	6.01	6.88	0.972	0.992	24		20.00	5.00	2.00	50.00	100.0	250.0			
p-Ethyltoluene	1	0	Qua	9.3436	8.4525	10.175	9.8051	7.0347	6.1160	-----	-----	-----	8.49	6.88	0.985	0.994	19		20.00	5.00	2.00	50.00	100.0	250.0			

Flags

a - failed the spcc criteria — ** - ccc compound*
b - failed the ccc criteria — *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 16.0

Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

2070213 0107

Method: EPA 8260B

Initial Calibration

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	6M85750.	CAL @ 20 PPB	07/09/12 12:19	2	6M85745.	CAL @ 5 PPB	07/09/12 10:58
3	6M85743.	CAL @ 2 PPB	07/09/12 10:26	4	6M85749.	CAL @ 50 PPB	07/09/12 12:02
5	6M85748.	CAL @ 100 PPB	07/09/12 11:46	6	6M85747.	CAL @ 250 PPB	07/09/12 11:30
7	6M85746.	CAL @ 500 PPB	07/09/12 11:14	8	6M85744.	CAL @ 1 PPB	07/09/12 10:42
9	6M85742.	CAL @ 0.5 PPB	07/09/12 10:10				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
2Chlorotoluene	1	0	LinF	6.2101	5.4622	6.6516	6.9309	4.5487	4.5665	3.9487	-----	-----	5.47	6.94	0.992	0.997	21	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
n-Propylbenzene	1	0	LinF	10.246	8.6451	11.455	11.169	8.5850	8.0686	7.5961	10.848	-----	9.58	6.82	0.997	0.999	16	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
Bromobenzene	1	0	LinF	4.2655	3.8524	5.3175	4.7150	4.0891	3.2789	3.1867	-----	-----	4.10	6.79	0.996	0.997	19	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1.3.5-Trimethylbenzene	1	0	LinF	7.1295	5.7061	7.3298	7.5442	5.1146	5.1791	4.6059	7.7114	-----	6.29	6.91	0.994	0.998	20	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
Butyl methacrylate	1	0	LinF	3.0534	2.1909	2.7485	3.5556	3.0859	2.6418	2.4852	-----	-----	2.82	6.93	0.997	0.999	16	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
t-Butylbenzene	1	0	LinF	6.7689	5.3553	6.7981	7.3533	5.2313	5.1556	4.6360	6.3017	-----	5.95	7.10	0.995	0.998	16	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
1.2.4-Trimethylbenzene	1	0	LinF	6.7251	5.7125	6.9311	7.2550	5.0912	5.3417	4.9046	7.1809	-----	6.14	7.12	0.997	0.998	16	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
sec-Butylbenzene	1	0	Avg	8.9637	6.8016	8.0838	9.6642	7.0663	7.1222	6.5010	8.0575	-----	7.78	7.22	0.997	0.999	14	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
4-Isopropyltoluene	1	0	Qua	6.7516	4.9914	6.1849	7.2142	5.1513	4.7786	3.8025	5.8064	-----	5.59	7.29	0.981	0.998	20	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
n-Butylbenzene	1	0	LinF	8.2996	5.7104	6.6079	8.9653	6.8346	6.7456	-----	6.7243	-----	7.13	7.51	0.995	0.997	16	20.00	5.00	2.00	50.00	100.0	250.0		1.00	
p-Diethylbenzene	1	0	Qua	3.7809	2.5550	3.1107	4.0509	3.1226	3.1730	2.6283	-----	-----	3.20	7.50	0.990	0.999	17	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1.2.4.5-Tetramethylber	1	0	LinF	5.6932	3.5504	3.7841	6.1192	4.8098	5.0411	4.4895	-----	-----	4.78	7.94	0.996	0.999	20	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1.2-Dibromo-3-Chlorop	1	0	LinF	0.1073	0.0519	0.0942	0.1293	0.0981	0.1566	0.1560	-----	-----	0.113	7.97	0.995	0.996	33	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Camphor	1	0	LinF	0.0461	0.0252	0.0244	0.0562	0.0490	0.0545	0.0532	-----	-----	0.0441	8.40	0.999	1.00	31	200.0	50.00	20.00	500.0	1000.	2500.	5000.		
Hexachlorobutadiene	1	0	LinF	2.0976	1.3062	1.3344	2.2092	1.8487	1.9833	1.7791	-----	-----	1.79	8.55	0.997	0.999	20	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1.2.4-Trichlorobenzene	1	0	LinF	2.3528	1.4861	1.7759	2.5579	1.8885	2.1373	2.0737	-----	-----	2.04	8.46	0.999	0.999	18	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1.2.3-Trichlorobenzene	1	0	LinF	2.0196	1.3681	1.5948	2.2160	1.5790	1.8092	1.8016	-----	-----	1.77	8.74	0.999	0.999	16	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Naphthalene	1	0	LinF	2.8536	1.6452	1.8081	3.2118	2.6856	2.5800	2.5956	2.0659	-----	2.43	8.61	0.999	0.999	22	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	

Avg Rsd: 16.0

Flags
a - failed the spcc criteria — ** - ccc compound*
b - failed the ccc criteria — *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note:
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

20070213 0108

Method: EPA 8260B

Initial Calibration

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	6M85930.	CAL @ 20 PPB	07/12/12 13:22	2	6M85925.	CAL @ 5 PPB	07/12/12 11:53
3	6M85923.	CAL @ 2 PPB	07/12/12 11:21	4	6M85929.	CAL @ 50 PPB	07/12/12 13:06
5	6M85928.	CAL @ 100 PPB	07/12/12 12:50	6	6M85927.	CAL @ 250 PPB	07/12/12 12:34
7	6M85926.	CAL @ 500 PPB	07/12/12 12:17	8	6M85924.	CAL @ 1 PPB	07/12/12 11:37
9	6M85922.	CAL @ 0.5 PPB	07/12/12 11:05				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Chlorodifluoromethane	1	0	Avg	0.7892	0.6718	0.8391	0.5819	0.7226	0.6298	0.6543	-----	-----	0.698	1.37	0.999	0.999	13		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Dichlorodifluoromethan	1	0	LinF	0.9056	0.9193	1.0039	0.6990	0.8891	0.7400	-----	-----	-----	0.860	1.36	0.993	0.996	14		20.00	5.00	2.00	50.00	100.0	250.0			
Chloromethane	1	0	LinF	0.6524	0.5504	0.6529	0.5345	0.5800	0.5333	0.5056	-----	-----	0.573	1.50	0.999	1.00	10	**(0.100)	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Bromomethane	1	0	Avg	0.4487	0.3753	0.3651	0.3773	0.3868	0.3387	0.3102	-----	-----	0.372	1.82	0.997	1.00	12		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Vinyl Chloride	1	0	Avg	0.8768	0.7712	0.9241	0.7256	0.7886	0.6933	0.6808	-----	-----	0.780	1.58	0.999	0.999	12	*(30)	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Chloroethane	1	0	Avg	0.4829	0.4190	0.5232	0.4094	0.4257	0.3741	0.3774	-----	-----	0.430	1.90	0.999	0.999	13		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Trichlorofluoromethane	1	0	LinF	0.8226	0.8400	1.2343	0.7120	0.7850	0.6541	0.7093	-----	-----	0.823	2.10	0.998	0.998	24		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Ethyl ether	1	0	Avg	0.4511	0.4016	0.3210	0.3668	0.4016	0.3571	0.3452	-----	-----	0.378	2.30	0.999	1.00	12		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Furan	1	0	Avg	1.5205	1.2232	1.3473	1.3389	1.4510	1.2685	1.2200	-----	-----	1.34	2.33	0.999	0.999	8.5		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1.1.2-Trichloro-1.2.2-tri	1	0	LinF	0.8202	0.8078	1.0636	0.6972	0.7170	0.5887	0.5800	-----	-----	0.754	2.48	0.998	0.999	22		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Methylene Chloride	1	0	LinF	0.6293	0.6450	0.8157	0.5181	0.5441	0.4859	0.4829	-----	-----	0.589	2.83	0.999	1.00	20		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Acrolein	1	0	Avg	0.0348	0.0326	0.0317	0.0306	0.0316	0.0297	0.0290	-----	-----	0.0315	2.39	1.00	1.00	6.1		100.0	25.00	10.00	250.0	500.0	1250.	2500.		
Acrylonitrile	1	0	Avg	0.0818	0.0577	0.0555	0.0656	0.0710	0.0680	0.0602	-----	-----	0.0657	3.00	0.996	1.00	14		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Iodomethane	1	0	Avg	0.8568	0.7877	0.7334	0.7945	0.8731	0.7864	0.7327	-----	-----	0.795	2.59	0.998	1.00	6.8		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Acetone	1	0	Lin	0.0997	0.1245	0.2162	0.0752	0.0710	0.0662	0.0602	-----	-----	0.102	2.50	0.998	1.00	54		100.0	25.00	10.00	250.0	500.0	1250.	2500.		
Carbon Disulfide	1	0	Avg	1.5430	1.4713	1.5853	1.4397	1.6767	1.4695	1.6625	-----	-----	1.55	2.66	0.997	0.999	6.2		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
t-Butyl Alcohol	1	0	LinF	0.0196	0.0141	0.0111	0.0159	0.0166	0.0166	0.0142	-----	-----	0.0155	2.90	0.994	1.00	17		100.0	25.00	10.00	250.0	500.0	1250.	2500.		
n-Hexane	1	0	Avg	1.0081	1.0854	1.1242	1.0337	1.1890	0.9607	0.9180	-----	-----	1.05	3.27	0.997	0.998	9.0		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Di-isopropyl-ether	1	0	Avg	2.1150	1.7753	1.6315	1.9966	2.1793	2.0037	1.8810	-----	-----	1.94	3.43	0.998	1.00	9.9		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1.1-Dichloroethene	1	0	Avg	1.0256	1.0704	1.1294	0.9361	1.0351	0.8713	0.8857	-----	-----	0.993	2.49	0.999	0.999	9.8	*(30)	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Methyl Acetate	1	0	Avg	0.3274	0.2897	0.2422	0.2605	0.2724	0.2537	0.2420	-----	-----	0.270	2.76	0.999	1.00	11		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Methyl-t-butyl ether	1	0	Avg	1.2820	0.9127	0.8320	1.0651	1.1106	1.0165	0.9367	0.9281	-----	1.01	3.05	0.998	1.00	14		20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
1.1-Dichloroethane	1	0	Avg	1.0138	0.9439	0.8057	0.9160	1.0454	0.8970	0.9090	-----	-----	0.933	3.38	0.999	0.999	8.5	**(0.100)	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
trans-1.2-Dichloroether	1	0	Avg	0.5403	0.5273	0.5819	0.5065	0.5592	0.4624	0.4804	-----	-----	0.523	3.05	0.998	0.998	8.1		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
cis-1.2-Dichloroethene	1	0	Avg	1.0389	0.9351	1.0455	0.9411	1.0957	0.9486	0.9101	-----	-----	0.988	3.82	0.998	0.999	7.2		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Bromochloromethane	1	0	Avg	0.3897	0.3298	0.3065	0.3384	0.3773	0.3300	0.3464	-----	-----	0.345	3.98	0.999	0.999	8.4		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
2.2-Dichloropropane	1	0	Avg	0.9618	0.7088	0.8105	0.8804	0.9451	0.8506	0.7900	-----	-----	0.850	3.83	0.998	1.00	10		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Ethyl acetate	1	0	Avg	0.4942	0.3329	0.4375	0.4100	0.4204	0.4057	0.3735	-----	-----	0.411	3.87	0.998	1.00	12		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1.4-Dioxane	1	0	Avg	0.0017	0.0011	0.0011	0.0014	0.0015	0.0016	0.0014	-----	-----	0.00145	4.92	0.996	0.999	15		1000.	250.0	100.0	2500.	5000.	1250	2500		
1.1-Dichloropropene	1	0	Avg	1.1238	1.0180	1.0971	1.0154	1.0379	0.8466	0.7461	-----	-----	0.984	4.27	0.992	0.999	14		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Chloroform	1	0	Avg	0.9783	0.8819	0.9445	0.8652	0.9361	0.8051	0.7685	-----	-----	0.883	4.03	0.998	0.999	8.7	*(30)	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Dibromofluoromethane	1	0	Avg	0.2373	0.2092	0.1941	0.2112	0.1978	0.1951	0.1929	0.1999	0.2487	0.210	4.13	-1	-1	9.6		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Cyclohexane	1	0	Avg	1.5271	1.3066	1.4009	1.3845	1.3845	1.1809	1.0337	-----	-----	1.32	4.21	0.993	1.00	12		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1.2-Dichloroethane-d4	1	0	Avg	0.1361	0.1202	0.1209	0.1185	0.1109	0.1048	0.1019	0.1124	0.1405	0.118	4.34	-1	-1	11		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
1.2-Dichloroethane	1	0	LinF	0.7621	0.7315	0.7900	0.6708	0.6684	0.5576	0.4929	-----	-----	0.668	4.39	0.993	0.999	16		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
2-Butanone	1	0	LinF	0.1790	0.1689	0.1602	0.1355	0.1321	0.1189	-----	-----	-----	0.149	3.82	0.997	0.999	16		20.00	5.00	2.00	50.00	100.0	250.0			
1.1.1-Trichloroethane	1	0	Avg	1.1080	0.9596	1.0965	1.0165	1.0504	0.9342	0.8561	-----	-----	1.00	4.17	0.997	1.00	9.1		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Carbon Tetrachloride	1	0	Avg	0.9864	0.8695	0.9310	0.8732	0.8878	0.7444	0.6032	-----	-----	0.842	4.27	0.984	1.00	15		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Vinyl Acetate	1	0	Avg	0.3836	0.3504	0.3956	0.4364	0.5190	0.4463	0.4010	-----	-----	0.419	3.43	0.995	0.999	13		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Bromodichloromethane	1	0	Avg	0.7185	0.5922	0.5760	0.6332	0.6796	0.6313	0.5813	-----	-----	0.630	4.98	0.998	1.00	8.5		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Methylcyclohexane	1	0	Avg	0.9197	1.0775	1.1236	0.9261	1.1230	0.8464	0.7801	-----	-----	0.971	4.85	0.992	0.997	14		20.00	5.00	2.00	50.00	100.0	250.0	500.0		

Flags
a - failed the spcc criteria — ** - ccc compound*
b - failed the ccc criteria — *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 13.5
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

20070213 0109

Method: EPA 8260B

Initial Calibration

Instrument: GCMS_6

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	6M85930.	CAL @ 20 PPB	07/12/12 13:22	2	6M85925.	CAL @ 5 PPB	07/12/12 11:53
3	6M85923.	CAL @ 2 PPB	07/12/12 11:21	4	6M85929.	CAL @ 50 PPB	07/12/12 13:06
5	6M85928.	CAL @ 100 PPB	07/12/12 12:50	6	6M85927.	CAL @ 250 PPB	07/12/12 12:34
7	6M85926.	CAL @ 500 PPB	07/12/12 12:17	8	6M85924.	CAL @ 1 PPB	07/12/12 11:37
9	6M85922.	CAL @ 0.5 PPB	07/12/12 11:05				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
bromomethane	1	0	Avg	0.2830	0.2612	0.2440	0.2303	0.2455	0.2127	0.2086	-----	-----	0.241	4.91	0.999	0.999	11		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1.2-Dichloropropane	1	0	Avg	0.6525	0.5427	0.5488	0.5702	0.5691	0.4917	0.4080	-----	-----	0.540	4.84	0.988	1.00	14	*(30)	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Trichloroethene	1	0	Avg	0.7090	0.7172	0.7382	0.6248	0.6515	0.5433	-----	-----	-----	0.664	4.74	0.994	0.999	11		20.00	5.00	2.00	50.00	100.0	250.0			
Benzene	1	0	Avg	2.5377	2.5001	2.5268	2.3900	2.5245	2.1482	1.7114	2.8792	-----	2.40	4.39	0.982	1.00	14		20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
tert-Amyl methyl ether	1	0	Avg	1.1146	0.7982	0.8212	1.0113	1.1148	1.0198	0.9409	-----	-----	0.974	4.45	0.998	1.00	13		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Iso-propylacetate	1	0	Avg	1.7242	1.3425	1.3925	1.6265	1.6582	1.6981	2.0346	-----	-----	1.64	4.41	0.993	1.00	14		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Methyl methacrylate	1	0	LinF	0.5361	0.4085	0.4004	0.4694	0.5343	0.5647	0.6858	-----	-----	0.514	4.89	0.992	1.00	19		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Dibromochloromethane	1	0	Avg	0.7395	0.5500	0.5974	0.7455	0.7758	0.7708	0.7747	-----	-----	0.708	5.79	1.00	1.00	13		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
2-Chloroethylvinylether	1	0	Lin	0.4137	0.3316	0.3505	0.4428	0.4589	0.4648	0.5581	-----	-----	0.432	5.13	0.993	1.00	18		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
cis-1,3-Dichloropropene	1	0	Lin	1.5776	1.0967	1.3085	1.5184	1.5821	1.6122	2.0124	-----	-----	1.53	5.21	0.991	1.00	19		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
trans-1,3-Dichloropropene	1	0	LinF	1.0322	0.6904	0.8559	1.0740	1.1517	1.1890	-----	-----	-----	0.999	5.48	1.00	1.00	19		20.00	5.00	2.00	50.00	100.0	250.0			
Ethyl methacrylate	1	0	Avg	0.5401	0.4167	0.4565	0.5017	0.5773	0.5495	0.6562	-----	-----	0.528	5.52	0.994	0.999	15		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,1,2-Trichloroethane	1	0	Avg	0.6906	0.6437	0.6849	0.6257	0.6226	0.5930	0.7227	-----	-----	0.655	5.58	0.992	0.999	7.0		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2-Dibromoethane	1	0	Avg	0.5790	0.5495	0.5339	0.5876	0.5891	0.5638	0.5841	-----	-----	0.570	5.86	1.00	1.00	3.7		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,3-Dichloropropane	1	0	Avg	1.3021	1.0577	1.2891	1.2260	1.1901	1.0919	1.2368	-----	-----	1.20	5.67	0.997	0.999	7.8		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
4-Methyl-2-Pentanone	1	0	Avg	0.5798	0.4766	0.4305	0.5613	0.5781	0.5807	0.6754	-----	-----	0.555	5.28	0.995	1.00	14		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
2-Hexanone	1	0	LinF	0.3322	0.2073	0.1642	0.3084	0.3401	0.3269	0.3578	-----	-----	0.291	5.70	0.998	1.00	26		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Tetrachloroethene	1	0	LinF	0.9561	1.2051	1.3514	0.9232	1.0387	0.8641	1.0134	-----	-----	1.05	5.68	0.994	0.998	16		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Toluene-d8	1	0	Avg	1.6784	1.8930	1.6919	1.7520	1.7797	1.8679	-----	1.7036	-----	1.77	5.36	-1	-1	4.8		30.00	30.00	30.00	30.00	30.00	30.00		30.00	
Toluene	1	0	Avg	2.5104	2.9855	2.9817	2.3809	2.7058	2.3126	2.8645	3.5146	-----	2.78	5.39	0.992	0.998	14	*(30)	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
1,1,1,2-Tetrachloroetha	1	0	Avg	0.7763	0.7219	0.7591	0.7970	0.8496	0.7165	0.7359	-----	-----	0.765	6.14	0.999	0.999	6.2		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Chlorobenzene	1	0	LinF	2.2933	2.5093	3.6564	2.1899	2.3751	1.9971	2.3157	-----	-----	2.48	6.11	0.995	0.998	22	**(0.300)	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
n-Butyl acrylate	1	0	Qua	1.9743	1.4367	1.1026	2.1043	2.7001	1.8701	1.6505	-----	-----	1.83	6.36	0.983	0.994	28		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
n-Amyl acetate	1	0	Qua	2.4019	1.8814	1.6129	2.3725	3.0457	1.9881	2.0266	-----	-----	2.19	6.48	0.989	0.990	21		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Bromoform	1	0	Qua	0.6678	0.7717	0.5843	0.7616	0.9983	0.7455	0.6378	-----	-----	0.738	6.53	0.984	0.996	18	**(0.100)	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Ethylbenzene	1	0	Avg	2.8443	2.7366	2.9840	2.9385	3.4998	-----	-----	3.9527	-----	3.16	6.16	0.993	1.00	15	*(30)	20.00	5.00	2.00	50.00	100.0			1.00	
1,1,2,2-Tetrachloroetha	1	0	Avg	1.1443	1.1746	1.1549	1.1340	1.4018	0.8795	0.9515	-----	-----	1.12	6.75	0.988	0.988	15	**(0.300)	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Bromofluorobenzene	1	0	Avg	0.9993	1.0616	0.9499	1.0413	1.1894	0.8718	0.8968	1.0983	0.9740	1.01	6.70	-1	-1	9.9		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Styrene	1	0	Avg	5.0373	4.9829	4.0813	4.8244	5.8173	-----	-----	-----	-----	4.95	6.43	0.993	0.999	13		20.00	5.00	2.00	50.00	100.0				
m&p-Xylenes	1	0	LinF	3.5386	3.3367	3.3269	3.2273	3.9400	-----	-----	4.8274	4.2762	3.78	6.22	0.992	0.999	16		40.00	10.00	4.00	100.0	200.0			2.00	1.00
o-Xylene	1	0	LinF	3.2978	3.4632	2.8329	3.0418	3.6873	-----	-----	4.6455	-----	3.49	6.42	0.992	0.999	18		20.00	5.00	2.00	50.00	100.0			1.00	
trans-1,4-Dichloro-2-bu	1	0	Avg	0.8837	0.8914	0.9466	0.8546	1.1146	-----	-----	-----	-----	0.938	6.77	0.986	0.999	11		20.00	5.00	2.00	50.00	100.0				
1,3-Dichlorobenzene	1	0	Avg	3.2529	3.0941	3.4124	2.9312	3.2513	2.4500	-----	-----	-----	3.07	7.29	0.983	0.998	11		20.00	5.00	2.00	50.00	100.0	250.0			
1,4-Dichlorobenzene	1	0	Avg	3.3067	3.1338	3.1262	2.9740	3.2525	2.7341	2.4369	-----	-----	2.99	7.34	0.994	0.999	10		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2-Dichlorobenzene	1	0	Avg	2.7203	2.4571	2.7878	2.4227	2.6534	2.4618	2.1031	-----	-----	2.52	7.55	0.993	1.00	9.2		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Isopropylbenzene	1	0	Avg	9.6270	8.7272	8.1724	9.0768	11.139	-----	-----	11.776	-----	9.75	6.61	0.992	0.999	15		20.00	5.00	2.00	50.00	100.0			1.00	
Cyclohexanone	1	0	LinF	0.0485	0.0538	0.0225	0.0380	0.0460	0.0359	0.0332	-----	-----	0.0397	6.67	0.994	0.998	27		100.0	25.00	10.00	250.0	500.0	1250.	2500.		
Camphene	1	0	LinF	3.5734	3.1097	2.9574	3.4077	4.2226	-----	-----	4.5112	-----	3.63	6.77	0.991	0.999	17		20.00	5.00	2.00	50.00	100.0			1.00	
1,2,3-Trichloropropane	1	0	Avg	1.3912	1.3856	1.3706	1.3966	1.6854	-----	-----	-----	-----	1.45	6.78	0.992	1.00	9.3		20.00	5.00	2.00	50.00	100.0				
2-Chlorotoluene	1	0	Avg	7.5822	6.8721	7.1819	7.0148	7.6809	-----	-----	-----	-----	7.27	6.88	0.998	0.999	4.9		20.00	5.00	2.00	50.00	100.0				
p-Ethyltoluene	1	0	Avg	10.272	8.8010	8.4967	9.1098	10.670	-----	-----	-----	-----	9.47	6.88	0.994	0.999	10		20.00	5.00	2.00	50.00	100.0				

Flags

a - failed the spcc criteria — ** - ccc compound*

b - failed the ccc criteria — *** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 13.5

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

2070213 0110

Method: EPA 8260B

Initial Calibration

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	6M85930.	CAL @ 20 PPB	07/12/12 13:22	2	6M85925.	CAL @ 5 PPB	07/12/12 11:53
3	6M85923.	CAL @ 2 PPB	07/12/12 11:21	4	6M85929.	CAL @ 50 PPB	07/12/12 13:06
5	6M85928.	CAL @ 100 PPB	07/12/12 12:50	6	6M85927.	CAL @ 250 PPB	07/12/12 12:34
7	6M85926.	CAL @ 500 PPB	07/12/12 12:17	8	6M85924.	CAL @ 1 PPB	07/12/12 11:37
9	6M85922.	CAL @ 0.5 PPB	07/12/12 11:05				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
2Chlorotoluene	1	0	Avg	6.7695	6.3950	6.0704	6.3937	7.1612	5.0560	4.6150	-----	-----	6.07	6.94	0.988	0.995	15	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
n-Propylbenzene	1	0	Avg	11.261	9.7423	10.262	10.686	12.425	-----	-----	12.132	-----	11.1	6.82	0.995	0.999	9.5	20.00	5.00	2.00	50.00	100.0			1.00	
Bromobenzene	1	0	Avg	4.8986	4.9362	5.0967	4.6926	5.6913	-----	-----	-----	-----	5.06	6.79	0.992	0.999	7.5	20.00	5.00	2.00	50.00	100.0				
1.3.5-Trimethylbenzene	1	0	Avg	7.3550	6.2407	6.4257	6.6811	7.4817	-----	-----	8.4894	-----	7.11	6.91	0.997	0.999	12	20.00	5.00	2.00	50.00	100.0			1.00	
Butyl methacrylate	1	0	Avg	3.1226	2.4149	3.1670	3.2715	3.7626	2.7736	2.7774	-----	-----	3.04	6.93	0.995	0.996	14	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
t-Butylbenzene	1	0	Avg	6.8563	5.8321	5.5552	6.3533	7.1904	-----	-----	6.8811	-----	6.44	7.10	0.997	0.999	10	20.00	5.00	2.00	50.00	100.0			1.00	
1.2.4-Trimethylbenzene	1	0	Avg	6.9967	6.2891	5.9760	6.2991	7.0969	5.4814	4.7294	7.3155	-----	6.27	7.12	0.988	0.998	14	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
sec-Butylbenzene	1	0	Avg	9.4055	7.6290	6.9759	8.6528	9.9626	-----	-----	8.4435	-----	8.51	7.22	0.996	0.999	13	20.00	5.00	2.00	50.00	100.0			1.00	
4-Isopropyltoluene	1	0	Avg	6.6227	5.1903	5.0519	6.1839	6.7781	5.2579	4.2299	5.9716	-----	5.66	7.29	0.979	0.999	15	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
n-Butylbenzene	1	0	Avg	8.3765	6.2812	6.2932	7.8535	8.5091	7.5114	5.8918	6.0396	-----	7.09	7.51	0.981	1.00	15	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
p-Diethylbenzene	1	0	LinF	3.7080	2.5680	2.3709	3.4760	3.8075	3.4123	-----	-----	-----	3.22	7.50	0.998	0.999	19	20.00	5.00	2.00	50.00	100.0	250.0			
1.2.4.5-Tetramethylber	1	0	LinF	5.3271	3.3658	3.1989	5.0496	5.5041	5.1715	4.3951	-----	-----	4.57	7.94	0.992	1.00	21	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1.2-Dibromo-3-Chloro	1	0	LinF	0.1023	0.0627	0.1129	0.0981	0.1066	0.1291	-----	-----	-----	0.102	7.97	0.995	1.00	22	20.00	5.00	2.00	50.00	100.0	250.0			
Camphor	1	0	LinF	0.0371	0.0331	0.0308	0.0371	0.0468	0.0507	0.0508	0.0252	-----	0.0390	8.40	0.999	0.999	24	200.0	50.00	20.00	500.0	1000.	2500.	5000.	10.00	
Hexachlorobutadiene	1	0	LinF	1.5338	1.1247	1.2005	1.5969	1.7780	1.7635	1.5328	-----	-----	1.50	8.55	0.994	1.00	17	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1.2.4-Trichlorobenzene	1	0	LinF	1.9310	1.2717	1.2581	1.6926	1.9884	1.7686	-----	-----	-----	1.65	8.46	0.997	0.999	19	20.00	5.00	2.00	50.00	100.0	250.0			
1.2.3-Trichlorobenzene	1	0	Avg	1.4897	1.2954	1.0592	1.4304	1.6678	1.5026	1.2530	-----	-----	1.39	8.74	0.989	1.00	14	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Naphthalene	1	0	LinF	2.1728	1.6577	1.4393	2.0978	2.4726	2.2133	2.1864	1.9075	-----	2.02	8.61	0.999	0.999	17	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	

Flags
a - failed the spcc criteria ** - ccc compound*
b - failed the ccc criteria *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 13.5
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

20070213 0111

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB **Data File:** 2M87003.D **Instrument:** GCMS 2

Cont Calibration Date/Time 7/9/2012 12:51:00 P Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.76	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		0.00	0.00				1.356			
Dichlorodifluoromethane	1	0		1.49	44.50	50			1.073	0.955	11.00	
Chloromethane	1	0	CP	1.63	58.49	50	0.1		0.786	0.919	16.98	
Bromomethane	1	0		1.96	58.84	50			0.421	0.495	17.68	
Vinyl Chloride	1	0	CC	1.71	57.97	50	20		0.760	0.881	15.93	
Chloroethane	1	0		2.04	59.31	50			0.475	0.504	18.62	
Trichlorofluoromethane	1	0		2.25	60.39	50			1.391	1.446	20.78	
Ethyl ether	1	0		2.47	60.61	50			0.233	0.282	21.22	
Furan	1	0		2.49	59.87	50			1.247	1.493	19.74	
1,1,2-Trichloro-1,2,2-trifluoroetha	1	0		2.64	48.47	50			0.590	0.572	3.07	
Methylene Chloride	1	0		3.00	56.48	50			0.455	0.514	12.96	
Acrolein	1	0		2.55	333.46	250			0.017	0.023	33.38	
Acrylonitrile	1	0		3.19	65.95	50			0.053	0.071	31.91	
Iodomethane	1	0		2.76	62.13	50			0.812	1.009	24.27	
Acetone	1	0		2.67	386.81	250			0.074	0.075	54.72	
Carbon Disulfide	1	0		2.82	52.20	50			1.587	1.657	4.40	
t-Butyl Alcohol	1	0		3.08	382.72	250			0.011	0.016	53.09	
n-Hexane	1	0		3.45	48.26	50			0.725	0.700	3.48	
Di-isopropyl-ether	1	0		3.61	58.45	50			1.155	1.351	16.90	
1,1-Dichloroethene	1	0	CC	2.64	53.90	50	20		1.119	1.206	7.81	
Methyl Acetate	1	0		2.92	56.06	50			0.174	0.195	12.13	
Methyl-t-butyl ether	1	0		3.23	57.86	50			0.667	0.772	15.72	
1,1-Dichloroethane	1	0	CP	3.57	57.61	50	0.1		0.873	1.006	15.23	
trans-1,2-Dichloroethene	1	0		3.23	52.54	50			0.590	0.620	5.08	
cis-1,2-Dichloroethene	1	0		4.02	56.66	50			0.851	0.965	13.31	
Bromochloromethane	1	0		4.18	58.48	50			0.248	0.289	16.96	
2,2-Dichloropropane	1	0		4.02	58.99	50			0.754	0.890	17.98	
Ethyl acetate	1	0		4.04	55.64				0.236			
1,4-Dioxane	1	0		5.21	4478.09	2500			0.001	0.002	79.12	
1,1-Dichloropropene	1	0		4.46	51.68	50			0.863	0.892	3.37	
Chloroform	1	0	CC	4.23	57.01	50	20		0.907	1.034	14.02	
Dibromofluoromethane	1	0	S	4.34	32.72	75			0.269	0.293	9.07	
Cyclohexane	1	0		4.41	47.65	50			0.833	0.794	4.70	
1,2-Dichloroethane-d4	1	0	S	4.56	30.37	75			0.122	0.123	1.24	
1,2-Dichloroethane	1	0		4.61	61.30	50			0.546	0.669	22.59	
2-Butanone	1	0		4.02	57.45	50			0.063	0.075	14.90	
1,1,1-Trichloroethane	1	0		4.37	56.79	50			0.971	1.102	13.57	
Carbon Tetrachloride	1	0		4.48	56.12	50			0.831	0.932	12.25	
Vinyl Acetate	1	0		3.61	58.94	50			0.797	0.939	17.88	
Bromodichloromethane	1	0		5.29	59.08	50			0.507	0.599	18.16	
Methylcyclohexane	1	0		5.12	48.38	50			0.880	0.851	3.23	
Dibromomethane	1	0		5.22	54.16	50			0.205	0.222	8.33	
1,2-Dichloropropane	1	0	CC	5.14	52.23	50	20		0.369	0.385	4.47	
Trichloroethene	1	0		4.99	50.57	50			0.579	0.585	1.13	
Benzene	1	0		4.60	54.90	50			1.843	1.783	9.79	
Chlorobenzene-d5	1	0	I	6.60	30.00	30				0.000	0.00	
Iso-propylacetate	1	0		4.60	52.37				0.664			
Methyl methacrylate	1	0		5.12	40.70				1.693			
Dibromochloromethane	1	0		6.25	50.05	50			0.422	0.422	0.09	
2-Chloroethylvinylether	1	0		5.46	48.14	50			0.185	0.178	3.71	
cis-1,3-Dichloropropene	1	0		5.56	48.29	50			0.779	0.752	3.42	
trans-1,3-Dichloropropene	1	0		5.88	43.60	50			0.583	0.579	12.80	
Ethyl methacrylate	1	0		5.91	46.68				0.301			
1,1,2-Trichloroethane	1	0		6.00	45.32	50			0.329	0.298	9.36	
1,2-Dibromoethane	1	0		6.34	44.44	50			0.333	0.296	11.13	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB **Data File:** 2M87003.D **Instrument:** GCMS 2

Cont Calibration Date/Time 7/9/2012 12:51:00 P Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,3-Dichloropropane	1	0		6.11	44.37	50			0.623	0.553	11.25	
4-Methyl-2-Pentanone	1	0		5.64	51.32	50			0.246	0.252	2.64	
2-Hexanone	1	0		6.13	48.06	50			0.167	0.160	3.89	
Tetrachloroethene	1	0		6.10	46.82	50			0.854	0.800	6.36	
Toluene-d8	1	0	S	5.73	27.39	75			1.646	1.503	8.71	
Toluene	1	0	CC	5.77	45.68	50	20		2.157	1.567	8.64	
1,1,1,2-Tetrachloroethane	1	0		6.66	45.34	50			0.579	0.525	9.31	
Chlorobenzene	1	0	CP	6.62	44.00	50	0.3		1.874	1.450	11.99	
1,4-Dichlorobenzene-d4	1	0	I	8.03	30.00	30				0.000	0.00	
n-Butyl acrylate	1	0		6.90	46.30				1.097			
n-Amyl acetate	1	0		7.03	47.46				1.271			
Bromoform	1	0	CP	7.13	48.02	50	0.1		0.439	0.421	3.95	
Ethylbenzene	1	0	CC	6.67	45.43	50	20		1.909	1.434	9.13	
1,1,2,2-Tetrachloroethane	1	0	CP	7.37	44.24	50	0.3		0.566	0.501	11.51	
Bromofluorobenzene	1	0	S	7.30	30.32	75			0.996	1.007	1.07	
Styrene	1	0		6.99	43.35	50			3.630	3.147	13.30	
m&p-Xylenes	1	0		6.73	85.84	100			3.323	2.218	14.16	
o-Xylene	1	0		6.98	42.60	50			2.787	2.009	14.80	
trans-1,4-Dichloro-2-butene	1	0		7.39	45.12	50			0.786	0.709	9.76	
1,3-Dichlorobenzene	1	0		8.00	38.74	50			2.563	1.986	22.51	
1,4-Dichlorobenzene	1	0		8.05	39.25	50			2.373	1.863	21.50	
1,2-Dichlorobenzene	1	0		8.30	38.12	50			1.872	1.428	23.76	
Isopropylbenzene	1	0		7.20	42.76	50			8.483	6.467	14.48	
Cyclohexanone	1	0		7.29	279.03				0.014			
Camphene	1	0		7.38	43.26	50			3.130	2.708	13.47	
1,2,3-Trichloropropane	1	0		7.41	44.63	50			0.924	0.825	10.73	
2-Chlorotoluene	1	0		7.53	41.66	50			3.810	3.175	16.68	
p-Ethyltoluene	1	0		7.51	41.77				8.663			
4-Chlorotoluene	1	0		7.59	38.49	50			3.556	2.737	23.01	
n-Propylbenzene	1	0		7.45	42.02	50			9.759	7.334	15.95	
Bromobenzene	1	0		7.42	40.29	50			2.943	2.371	19.41	
1,3,5-Trimethylbenzene	1	0		7.54	39.69	50			6.311	4.395	20.61	
Butyl methacrylate	1	0		7.55	43.51				2.252			
t-Butylbenzene	1	0		7.76	38.88	50			6.040	4.696	22.24	
1,2,4-Trimethylbenzene	1	0		7.79	41.48	50			6.035	4.449	17.03	
sec-Butylbenzene	1	0		7.90	39.59	50			7.859	6.223	20.82	
4-Isopropyltoluene	1	0		7.98	40.76	50			6.135	5.001	18.48	
n-Butylbenzene	1	0		8.24	41.58	50			7.025	5.842	16.84	
p-Diethylbenzene	1	0		8.22	41.63				3.257			
1,2,4,5-Tetramethylbenzene	1	0		8.73	38.39				2.850			
1,2-Dibromo-3-Chloropropane	1	0		8.80	39.25	50			0.059	0.054	21.50	
Camphor	1	0		9.28	429.24	500			0.018	0.015	14.15	
Hexachlorobutadiene	1	0		9.43	39.53	50			0.821	0.649	20.95	
1,2,4-Trichlorobenzene	1	0		9.34	32.07	50			0.565	0.363	35.86	
1,2,3-Trichlorobenzene	1	0		9.68	24.14	50			0.278	0.140	51.72	
Naphthalene	1	0		9.52	27.21	50			0.478	0.220	45.59	
1,2-Dioxane	1	100		0.00	0.00	5000				0.000	100.00	
tert-Amyl methyl ether	1	100		0.00	0.00	50				0.000	100.00	
Freon 113	1	100		0.00	0.00	50				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB **Data File:** 6M86174.D **Instrument:** GCMS 6

Cont Calibration Date/Time 7/18/2012 12:07:00 P Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.54	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.37	56.12				0.698			
Dichlorodifluoromethane	1	0		1.36	28.29	50			0.860	0.430	43.43	
Chloromethane	1	0	CP	1.49	54.61	50	0.1		0.573	0.561	9.23	
Bromomethane	1	0		1.82	56.52	50			0.372	0.420	13.04	
Vinyl Chloride	1	0	CC	1.58	48.04	50	20		0.780	0.749	3.93	
Chloroethane	1	0		1.90	53.81	50			0.430	0.463	7.63	
Trichlorofluoromethane	1	0		2.10	57.57	50			0.823	0.807	15.15	
Ethyl ether	1	0		2.31	55.49	50			0.378	0.419	10.97	
Furan	1	0		2.34	60.70	50			1.339	1.625	21.40	
1,1,2-Trichloro-1,2,2-trifluoroetha	1	0		2.49	62.86	50			0.754	0.738	25.72	
Methylene Chloride	1	0		2.83	65.60	50			0.589	0.637	31.20	
Acrolein	1	0		2.40	291.49	250			0.031	0.037	16.60	
Acrylonitrile	1	0		3.01	69.43	50			0.066	0.091	38.86	
Iodomethane	1	0		2.60	59.54	50			0.795	0.947	19.08	
Acetone	1	0		2.50	332.98	250			0.102	0.094	33.19	
Carbon Disulfide	1	0		2.66	49.47	50			1.550	1.533	1.06	
t-Butyl Alcohol	1	0		2.91	387.45	250			0.015	0.023	54.98	
n-Hexane	1	0		3.27	50.44	50			1.046	1.055	0.89	
Di-isopropyl-ether	1	0		3.44	57.72	50			1.940	2.240	15.43	
1,1-Dichloroethene	1	0	CC	2.49	51.40	50	20		0.993	1.021	2.80	
Methyl Acetate	1	0		2.76	59.51	50			0.270	0.321	19.02	
Methyl-t-butyl ether	1	0		3.06	63.19	50			1.011	1.277	26.38	
1,1-Dichloroethane	1	0	CP	3.38	57.37	50	0.1		0.933	1.071	14.74	
trans-1,2-Dichloroethene	1	0		3.06	57.00	50			0.523	0.596	14.00	
cis-1,2-Dichloroethene	1	0		3.82	59.42	50			0.988	1.174	18.84	
Bromochloromethane	1	0		3.98	57.21	50			0.345	0.395	14.43	
2,2-Dichloropropane	1	0		3.83	62.65	50			0.850	1.065	25.30	
Ethyl acetate	1	0		3.87	63.03				0.411			
1,4-Dioxane	1	0		4.92	3305.37	2500			0.001	0.002	32.21	
1,1-Dichloropropene	1	0		4.27	58.80	50			0.984	1.157	17.60	
Chloroform	1	0	CC	4.04	55.72	50	20		0.883	0.984	11.45	
Dibromofluoromethane	1	0	S	4.14	29.80	75			0.210	0.208	0.68	
Cyclohexane	1	0		4.22	54.29	50			1.317	1.430	8.57	
1,2-Dichloroethane-d4	1	0	S	4.35	28.57	75			0.119	0.113	4.77	
1,2-Dichloroethane	1	0		4.39	73.06	50			0.668	0.749	46.12	
2-Butanone	1	0		3.82	68.11	50			0.149	0.166	36.22	
1,1,1-Trichloroethane	1	0		4.17	58.39	50			1.003	1.171	16.78	
Carbon Tetrachloride	1	0		4.28	59.56	50			0.842	1.003	19.11	
Vinyl Acetate	1	0		3.41	57.14	50			0.419	0.479	14.28	
Bromodichloromethane	1	0		4.99	62.28	50			0.630	0.785	24.55	
Methylcyclohexane	1	0		4.86	53.33	50			0.971	1.036	6.67	
Dibromomethane	1	0		4.92	61.71	50			0.241	0.297	23.42	
1,2-Dichloropropane	1	0	CC	4.85	60.03	50	20		0.540	0.649	20.06	
Trichloroethene	1	0		4.74	54.41	50			0.664	0.723	8.82	
Benzene	1	0		4.39	56.75	50			2.402	2.727	13.50	
tert-Amyl methyl ether	1	0		4.45	63.19	50			0.974	1.232	26.39	
Chlorobenzene-d5	1	0	I	6.10	30.00	30				0.000	0.00	
Iso-propylacetate	1	0		4.41	50.86				1.640			
Methyl methacrylate	1	0		4.89	39.06				0.514			
Dibromochloromethane	1	0		5.80	53.20	50			0.708	0.753	6.40	
2-Chloroethylvinylether	1	0		5.13	49.02	50			0.432	0.435	1.97	
cis-1,3-Dichloropropene	1	0		5.22	50.81	50			1.530	1.577	1.63	
trans-1,3-Dichloropropene	1	0		5.49	49.23	50			0.999	1.161	1.55	
Ethyl methacrylate	1	0		5.53	53.62				0.528			
1,1,2-Trichloroethane	1	0		5.59	50.57	50			0.655	0.662	1.14	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/Q - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB **Data File:** 6M86174.D **Instrument:** GCMS 6

Cont Calibration Date/Time 7/18/2012 12:07:00 P Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,2-Dibromoethane	1	0		5.87	50.26	50			0.570	0.573	0.51	
1,3-Dichloropropane	1	0		5.68	51.79	50			1.199	1.242	3.59	
4-Methyl-2-Pentanone	1	0		5.28	53.33	50			0.555	0.592	6.66	
2-Hexanone	1	0		5.70	51.94	50			0.291	0.365	3.87	
Tetrachloroethene	1	0		5.68	48.10	50			1.050	0.947	3.80	
Toluene-d8	1	0	S	5.36	28.32	75			1.767	1.667	5.61	
Toluene	1	0	CC	5.40	43.99	50	20		2.782	2.447	12.03	
1,1,1,2-Tetrachloroethane	1	0		6.15	49.47	50			0.765	0.757	1.07	
Chlorobenzene	1	0	CP	6.11	49.87	50	0.3		2.477	2.250	0.26	
1,4-Dichlorobenzene-d4	1	0	I	7.33	30.00	30				0.000	0.00	
n-Butyl acrylate	1	0		6.37	51.24				1.834			
n-Amyl acetate	1	0		6.48	57.93				2.190			
Bromoform	1	0	CP	6.54	48.16	50	0.1		0.738	0.848	3.68	
Ethylbenzene	1	0	CC	6.16	44.73	50	20		3.159	2.826	10.55	
1,1,2,2-Tetrachloroethane	1	0	CP	6.75	51.20	50	0.3		1.120	1.147	2.40	
Bromofluorobenzene	1	0	S	6.70	28.80	75			1.009	0.969	4.00	
Styrene	1	0		6.43	48.72	50			4.949	4.822	2.55	
m&p-Xylenes	1	0		6.22	84.22	100			3.782	3.191	15.78	
o-Xylene	1	0		6.43	40.90	50			3.495	2.904	18.19	
trans-1,4-Dichloro-2-butene	1	0		6.78	52.42	50			0.938	0.984	4.84	
1,3-Dichlorobenzene	1	0		7.29	48.24	50			3.065	2.957	3.52	
1,4-Dichlorobenzene	1	0		7.34	46.81	50			2.995	2.804	6.38	
1,2-Dichlorobenzene	1	0		7.55	46.26	50			2.515	2.327	7.49	
Isopropylbenzene	1	0		6.61	45.99	50			9.753	8.970	8.03	
Cyclohexanone	1	0		6.67	307.29				0.040			
Camphene	1	0		6.78	45.52	50			3.630	3.680	8.96	
1,2,3-Trichloropropane	1	0		6.79	52.44	50			1.446	1.516	4.87	
2-Chlorotoluene	1	0		6.89	46.55	50			7.266	6.765	6.90	
p-Ethyltoluene	1	0		6.89	46.56				9.470			
4-Chlorotoluene	1	0		6.95	51.28	50			6.066	6.221	2.56	
n-Propylbenzene	1	0		6.83	46.69	50			11.085	10.352	6.62	
Bromobenzene	1	0		6.79	49.02	50			5.063	4.964	1.95	
1,3,5-Trimethylbenzene	1	0		6.92	44.37	50			7.112	6.312	11.26	
Butyl methacrylate	1	0		6.93	54.83				3.041			
t-Butylbenzene	1	0		7.10	48.23	50			6.445	6.217	3.53	
1,2,4-Trimethylbenzene	1	0		7.13	46.84	50			6.273	5.877	6.31	
sec-Butylbenzene	1	0		7.22	49.43	50			8.512	8.415	1.14	
4-Isopropyltoluene	1	0		7.29	54.36	50			5.661	6.154	8.72	
n-Butylbenzene	1	0		7.52	52.62	50			7.095	7.466	5.23	
p-Diethylbenzene	1	0		7.51	50.13				3.224			
1,2,4,5-Tetramethylbenzene	1	0		7.94	51.04				4.573			
1,2-Dibromo-3-Chloropropane	1	0		7.98	42.15	50			0.102	0.105	15.71	
Camphor	1	0		8.41	442.26	500			0.039	0.045	11.55	
Hexachlorobutadiene	1	0		8.56	46.41	50			1.504	1.471	7.19	
1,2,4-Trichlorobenzene	1	0		8.47	38.39	50			1.652	1.379	23.23	
1,2,3-Trichlorobenzene	1	0		8.75	36.85	50			1.385	1.021	26.31	
Naphthalene	1	0		8.61	33.18	50			2.018	1.460	33.63	
1,2-Dioxane	1	100		0.00	0.00	5000				0.000	100.00	
Freon 113	1	100		0.00	0.00	50				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

FORM8

Internal Standard Areas

Evaluation Std Data File: 2M86809.D Method: EPA 8260B

Analysis Date/Time: 07/05/12 12:53

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	196857	4.77	102842	6.61	46129	8.04						
Eval File Area Limit:	98428-393714		51421-205684		23064-92258							
Eval File Rt Limit:	4.27-5.27		6.11-7.11		7.54-8.54							

Data File	Sample												
2M86804.D	BLK	198750	4.77	119012	6.61	48131	8.04						
2M86805.D	CAL @ 0.5 PF	190634	4.77	125823	6.61	48448	8.04						
2M86806.D	CAL @ 1 PPB	202301	4.77	121929	6.61	45000	8.04						
2M86807.D	CAL @ 2 PPB	192794	4.76	110221	6.61	47730	8.04						
2M86808.D	CAL @ 5 PPB	191018	4.76	114587	6.61	46815	8.04						
2M86809.D	CAL @ 20 PP	196857	4.77	102842	6.61	46129	8.04						
2M86810.D	CAL @ 50 PP	182482	4.77	107914	6.61	47794	8.04						
2M86811.D	CAL @ 100 P	187385	4.76	117570	6.61	51654	8.04						
2M86812.D	CAL @ 250 P	194940	4.77	117938	6.61	52629	8.04						
2M86813.D	CAL @ 500 P	193872	4.77	121797	6.61	52558	8.04						
2M86814.D	BLK	187735	4.77	118678	6.61	45689	8.04						
2M86815.D	ICV	185570	4.77	119288	6.61	52044	8.04						
2M86816.D	BLK	193615	4.77	117960	6.61	48950	8.04						
2M86817.D	BLK	189054	4.77	118612	6.61	48872	8.04						
2M86818.D	BLK	177847	4.77	113692	6.61	48721	8.04						
2M86819.D	DAILY BLANK	187338	4.77	108702	6.61	42761	8.04						
2M86820.D	MBS18684	170573	4.77	116441	6.61	50362	8.04						
2M86821.D	BLK	186076	4.77	116413	6.61	48695	8.04						
2M86822.D	BLK	189949	4.77	123512	6.61	49856	8.04						
2M86823.D	AC66760-007	168845	4.77	98066	6.61	29647	8.04						
2M86824.D	AC66817-005	174172	4.76	108258	6.61	41115	8.04						
2M86825.D	AC66817-007	175816	4.76	111415	6.61	42413	8.04						
2M86826.D	AC66817-009	176373	4.76	109904	6.61	44354	8.04						
2M86827.D	AC66817-010	176491	4.76	109356	6.61	43028	8.04						
2M86828.D	AC66839-003	174831	4.76	113996	6.61	41889	8.04						
2M86829.D	AC66839-004	171455	4.76	111929	6.61	44618	8.04						
2M86830.D	AC66839-005	173599	4.76	114292	6.61	44565	8.04						
2M86831.D	AC66839-006	171672	4.76	113149	6.61	44126	8.04						
2M86832.D	AC66842-006	169930	4.76	105561	6.60	39042	8.04						
2M86833.D	AC66842-007	183147	4.76	114308	6.61	43538	8.04						
2M86834.D	AC66741-001	174037	4.76	115111	6.60	46025	8.04						
2M86835.D	AC66741-002	170160	4.76	107313	6.61	43538	8.04						
2M86836.D	AC66741-004	172979	4.76	110078	6.60	44765	8.04						
2M86837.D	AC66731-012	176205	4.76	111661	6.61	43070	8.04						
2M86838.D	AC66731-016	178656	4.76	112249	6.60	45206	8.04						
2M86839.D	AC66854-001	167171	4.76	108155	6.60	43169	8.04						
2M86840.D	AC66854-002	174237	4.76	111861	6.60	46476	8.04						
2M86841.D	AC66854-003	176439	4.76	114642	6.60	43547	8.04						
2M86842.D	AC66829-001	171494	4.76	112954	6.60	47235	8.04						
2M86843.D	BLK	189044	4.76	125423	6.61	47771	8.04						
2M86844.D	AC66817-005i	191271	4.76	127030	6.60	49685	8.04						
2M86845.D	AC66817-005i	185837	4.76	121395	6.60	49772	8.04						
2M86846.D	BLK	191073	4.76	127186	6.60	50402	8.04						
2M86847.D	BLK	188926	4.76	125410	6.61	50121	8.04						
2M86848.D	BLK	192549	4.76	126044	6.61	48906	8.04						

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 6M85750.D Method: EPA 8260B

Analysis Date/Time: 07/09/12 12:19

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	153962	4.54	104243	6.10	54623	7.33						
Eval File Area Limit:	76981-307924		52122-208486		27312-109246							
Eval File Rt Limit:	4.04-5.04		5.6-6.6		6.83-7.83							

Data File	Sample												
6M85739.D	BLK	238188	4.54	127609	6.10	47971	7.33						
6M85740.D	BLK	180410	4.54	99460	6.10	46264	7.33						
6M85742.D	CAL @ 0.5 PF	217005	4.54	112734	6.10	47282	7.33						
6M85743.D	CAL @ 2 PPB	202395	4.54	102591	6.10	48042	7.33						
6M85744.D	CAL @ 1 PPB	192778	4.54	101552	6.10	45859	7.33						
6M85745.D	CAL @ 5 PPB	213150	4.54	114809	6.10	56343	7.33						
6M85746.D	CAL @ 500 P	130188	4.54	85131	6.10	50269	7.34						
6M85747.D	CAL @ 250 P	163882	4.54	99527	6.10	58315	7.33						
6M85748.D	CAL @ 100 P	178789	4.54	82258	6.10	54820	7.32						
6M85749.D	CAL @ 50 PP	204384	4.54	107045	6.10	54780	7.33						
6M85750.D	CAL @ 20 PP	153962	4.54	104243	6.10	54623	7.33						
6M85751.D	ICV	202057	4.54	93075	6.10	59125	7.32						
6M85752.D	BLK	222724	4.54	84506	6.10	50168	7.33						
6M85753.D	DAILY BLANK	187651	4.54	103146	6.10	47325	7.33						
6M85754.D	BLK	224956	4.54	95512	6.10	54310	7.33						
6M85755.D	MBS18717	241352	4.54	128374	6.10	62588	7.32						
6M85756.D	BLK	260183	4.54	134235	6.10	55962	7.33						
6M85757.D	AC66923-011	156120	4.54	94534	6.10	46108	7.33						
6M85758.D	AC66923-016	136302	4.54	91949	6.10	44162	7.33						
6M85759.D	AC66923-019	129514	4.54	65010	6.10	41788	7.33						
6M85760.D	AC66923-021	175164	4.54	109727	6.10	50406	7.33						
6M85761.D	AC66923-023	131010	4.54	85990	6.10	42101	7.33						
6M85762.D	AC66923-026	131055	4.54	91981	6.10	47905	7.33						
6M85763.D	AC66923-027	133761	4.54	96501	6.10	48008	7.33						
6M85764.D	AC66923-032	131203	4.54	92713	6.10	45327	7.33						
6M85765.D	BLK	242975	4.54	133314	6.10	53980	7.33						
6M85766.D	AC66922-028	77060	4.54	50420 A	6.10	31359	7.33						
6M85767.D	AC66922-029	148756	4.54	75360	6.10	47638	7.34						
6M85768.D	AC66922-030	112356	4.54	85006	6.10	44162	7.33						
6M85769.D	AC66922-031	122262	4.54	84882	6.10	43161	7.33						
6M85770.D	BLK	217230	4.54	114861	6.10	48115	7.33						
6M85771.D	AC66869-002	120586	4.54	90726	6.10	45727	7.33						
6M85772.D	AC66869-003	87761	4.54	70779	6.10	39949	7.33						
6M85773.D	AC66869-005	113788	4.54	89296	6.10	45594	7.33						
6M85774.D	AC66869-006	99651	4.54	59372	6.10	36432	7.33						
6M85775.D	AC66869-008	93896	4.54	73706	6.10	38751	7.33						
6M85776.D	AC66869-007	104977	4.54	65151	6.10	49294	7.33						
6M85777.D	AC66869-004	84676	4.54	67264	6.10	53004	7.33						
6M85778.D	STD	177466	4.54	111056	6.10	58314	7.33						
6M85779.D	STD	100262	4.54	55844	6.10	45500	7.33						
6M85780.D	BLK	209022	4.54	114547	6.10	51364	7.33						
6M85781.D	BLK	99451	4.54	53073	6.10	37764	7.34						
6M85782.D	BLK	136743	4.54	93744	6.10	46424	7.33						
6M85783.D	BLK	149753	4.54	76372	6.10	45725	7.33						
6M85784.D	BLK	125511	4.54	68380	6.10	35836	7.33						
6M85785.D	BLK	151457	4.54	86629	6.10	41683	7.33						
6M85786.D	BLK	210260	4.54	95647	6.10	46329	7.32						

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 2M87003.D Method: EPA 8260B

Analysis Date/Time: 07/09/12 12:51

Lab File ID: CAL @ 50 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	247006	4.76	167233	6.60	74519	8.03						
Eval File Area Limit:	123503-494012		83616-334466		37260-149038							
Eval File Rt Limit:	4.26-5.26		6.1-7.1		7.53-8.53							

Data File	Sample												
2M87001.D	50 PPB	288944	4.76	201021	6.60	87144	8.04						
2M87002.D	BLK	245146	4.76	164964	6.60	69332	8.04						
2M87004.D	50 PPB	252851	4.76	170411	6.60	74062	8.04						
2M87005.D	BLK	245065	4.77	171330	6.62	73275	8.05						
2M87006.D	BLK	243580	4.76	157794	6.60	71664	8.04						
2M87007.D	DAILY BLANK	226552	4.76	152418	6.60	66525	8.04						
2M87008.D	MBS18718	241390	4.76	162274	6.60	76954	8.04						
2M87009.D	BLK	231962	4.76	159869	6.60	71389	8.03						
2M87010.D	BLK	224210	4.76	162719	6.60	68163	8.04						
2M87011.D	BLK	225327	4.76	160468	6.60	62979	8.04						
2M87012.D	AC66859-005	208414	4.76	142964	6.60	55572	8.04						
2M87013.D	AC66921-003	208122	4.76	144430	6.60	60908	8.04						
2M87014.D	AC66921-004	203722	4.76	138922	6.60	58005	8.04						
2M87015.D	AC66742-022	211529	4.76	150377	6.60	67506	8.04						
2M87016.D	BLK	218649	4.76	155377	6.61	68520	8.04						
2M87017.D	AC66921-017	214364	4.76	150014	6.60	65104	8.04						
2M87018.D	AC66921-035	220393	4.76	151161	6.60	61903	8.04						
2M87019.D	BLK	232321	4.76	163570	6.60	70671	8.04						
2M87020.D	AC66763-001	214610	4.76	152313	6.60	63999	8.04						
2M87021.D	AC66921-020	223276	4.76	152469	6.60	63858	8.04						
2M87022.D	AC66921-029	209061	4.76	155159	6.60	63008	8.04						
2M87023.D	AC66921-033	161691	4.76	118912	6.61	47478	8.04						
2M87024.D	AC66917-007	215483	4.76	155143	6.60	65529	8.04						
2M87025.D	AC66917-008	219273	4.76	156010	6.60	60685	8.04						
2M87026.D	AC66917-009	216080	4.76	145504	6.60	59339	8.04						
2M87027.D	AC66917-010	214746	4.76	151393	6.60	61759	8.04						
2M87028.D	AC66917-011	214254	4.76	148036	6.60	58404	8.03						
2M87029.D	AC66942-001	224792	4.76	156448	6.60	61080	8.03						
2M87030.D	AC66742-020	216193	4.76	152488	6.60	67841	8.03						
2M87031.D	AC66742-013	237975	4.76	160714	6.60	143282	8.12						
2M87032.D	AC66911-008	246374	4.76	174786	6.60	75705	8.03						
2M87033.D	AC66869-001	267549	4.76	193368	6.60	77572	8.04						
2M87034.D	BLK	273827	4.76	199095	6.60	85889	8.04						
2M87035.D	BLK	278632	4.76	197741	6.60	83618	8.03						
2M87036.D	STD	155482	4.76	195010	6.60	85424	8.04						
2M87037.D	BLK	263629	4.76	198188	6.60	84834	8.03						
2M87038.D	BLK	332494	4.77	225586	6.60	94375	8.04						

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 6M85930.D Method: EPA 8260B

Analysis Date/Time: 07/12/12 13:22

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	163218	4.54	76764	6.09	33110	7.32						
Eval File Area Limit:	81609-326436		38382-153528		16555-66220							
Eval File Rt Limit:	4.04-5.04		5.59-6.59		6.82-7.82							

Data File	Sample												
6M85915.D	BLK	238987	4.53	123340	6.10	41650	7.32						
6M85916.D	50 PPB	161541	4.53	80939	6.09	39424	7.32						
6M85917.D	BLK	129813	4.54	80315	6.09	30675	7.32						
6M85918.D	50 PPB	144225	4.53	84948	6.09	41049	7.32						
6M85919.D	BLK	122233	4.54	74000	6.09	33698	7.32						
6M85920.D	BLK	99008	4.53	54735	6.09	25843	7.33						
6M85921.D	BLK	125308	4.53	58114	6.09	26125	7.32						
6M85922.D	CAL @ 0.5 PF	126382	4.54	71156	6.09	28195	7.32						
6M85923.D	CAL @ 2 PPB	163197	4.53	75142	6.09	33860	7.32						
6M85924.D	CAL @ 1 PPB	179069	4.54	93970	6.09	35292	7.32						
6M85925.D	CAL @ 5 PPB	198436	4.53	91556	6.09	35112	7.32						
6M85926.D	CAL @ 500 P	241879	4.53	76870	6.09	42041	7.32						
6M85927.D	CAL @ 250 P	239924	4.54	101960	6.10	42489	7.33						
6M85928.D	CAL @ 100 P	212042	4.53	99876	6.09	36100	7.32						
6M85929.D	CAL @ 50 PP	212781	4.54	94350	6.09	40094	7.32						
6M85930.D	CAL @ 20 PP	163218	4.54	76764	6.09	33110	7.32						
6M85931.D	50 PPB	99634	4.53	48884	6.09	31343	7.32						
6M85932.D	BLK	187517	4.54	96177	6.10	36675	7.32						
6M85934.D	50 PPB	9547 A	4.54	5311 A	6.10	2554 A	7.32						
6M85935.D	STD	201634	4.54	120174	6.10	56366	7.32						
6M85936.D	STD	221511	4.54	116804	6.10	55742	7.32						
6M85937.D	BLK	211435	4.54	124426	6.10	56873	7.33						
6M85938.D	ICV	224690	4.54	123169	6.10	58991	7.33						
6M85939.D	STD	245235	4.54	132422	6.11	62550	7.34						
6M85940.D	BLK	195908	4.54	115210	6.10	49391	7.33						
6M85941.D	DAILY BLANK	204770	4.54	117706	6.11	46945	7.34						
6M85942.D	AC66944-007	200349	4.54	90490	6.10	44702	7.32						
6M85943.D	AC67010-001	229626	4.54	124462	6.10	51572	7.32						
6M85944.D	MBS18764	221463	4.54	123531	6.09	56637	7.32						
6M85945.D	AC66856-004	214983	4.54	111720	6.10	52071	7.33						
6M85946.D	AC66945-001	211714	4.54	87287	6.10	43894	7.32						
6M85947.D	AC66945-002	201113	4.53	102724	6.09	45110	7.32						
6M85948.D	AC66945-004	200055	4.54	108287	6.09	43939	7.32						
6M85949.D	AC66945-005	188017	4.53	104672	6.09	43348	7.33						
6M85950.D	AC66856-008	211315	4.54	114627	6.09	48268	7.32						
6M85951.D	AC66856-009	192297	4.54	83840	6.09	42981	7.32						
6M85952.D	AC66856-010	177597	4.54	96496	6.10	40311	7.32						
6M85953.D	AC66856-011	185482	4.54	73436	6.09	44678	7.32						
6M85954.D	AC66856-012	219199	4.54	100910	6.09	46966	7.32						
6M85955.D	AC66962-003	203243	4.54	108827	6.09	45755	7.32						
6M85956.D	AC66962-004	191192	4.53	84014	6.09	44019	7.33						
6M85957.D	AC66966-004	203189	4.54	106644	6.10	45384	7.32						
6M85958.D	AC66953-001	176301	4.54	99830	6.09	47250	7.32						
6M85959.D	STD	211672	4.53	123185	6.09	56021	7.32						
6M85960.D	BLK	223838	4.54	123176	6.10	51398	7.33						
6M85961.D	BLK	196615	4.53	99646	6.09	41753	7.32						
6M85962.D	BLK	188895	4.53	102740	6.09	40495	7.32						
6M85963.D	BLK	211396	4.54	116590	6.10	47978	7.33						

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 6M86174.D Method: EPA 8260B

Analysis Date/Time: 07/18/12 12:07

Lab File ID: CAL @ 50 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	191397	4.54	102865	6.10	44663	7.33						
Eval File Area Limit:	95698-382794		51432-205730		22332-89326							
Eval File Rt Limit:	4.04-5.04		5.6-6.6		6.83-7.83							

Data File	Sample											
6M86175.D	BLK	205067	4.54	92786	6.10	42461	7.33					
6M86176.D	DAILY BLANK	214027	4.54	110688	6.10	42091	7.33					
6M86177.D	MBS18816	211486	4.54	107977	6.10	46943	7.33					
6M86178.D	BLK	120500	4.54	60552	6.10	34355	7.33					
6M86179.D	AC67077-001	151614	4.54	68170	6.10	32366	7.33					
6M86180.D	AC67077-002	184983	4.54	96886	6.10	39925	7.33					
6M86181.D	AC67077-003	170543	4.54	93843	6.10	38464	7.34					
6M86182.D	AC67077-004	205902	4.54	100342	6.10	41793	7.33					
6M86183.D	AC67077-005	180996	4.55	100212	6.10	40375	7.33					
6M86184.D	AC67047-010	186241	4.55	98274	6.10	36558	7.34					
6M86185.D	AC67086-003	143854	4.54	83159	6.10	34446	7.33					
6M86186.D	AC67076-003	172210	4.54	73877	6.10	43210	7.33					
6M86187.D	AC67010-001(	177673	4.54	95172	6.10	35559	7.33					
6M86188.D	AC67010-001(	135923	4.54	69432	6.10	26787	7.33					
6M86189.D	BLK	203326	4.54	110561	6.10	44870	7.33					
6M86190.D	AC67070-001	172253	4.54	77914	6.10	38544	7.33					
6M86191.D	AC67070-002	148416	4.54	69511	6.10	33581	7.33					
6M86192.D	BLK	160498	4.54	70656	6.10	33316	7.34					
6M86193.D	MBS18819	214819	4.54	86865	6.10	45038	7.33					
6M86194.D	AC67070-003	199714	4.54	110279	6.10	48899	7.33					
6M86195.D	AC67076-001	225651	4.54	112062	6.10	48501	7.34					
6M86196.D	AC67076-002	203413	4.55	104724	6.10	39754	7.33					
6M86197.D	AC67076-004	180351	4.54	95381	6.10	39519	7.33					
6M86198.D	AC67076-005	190011	4.55	100833	6.11	39613	7.34					
6M86199.D	AC67076-006	165192	4.54	87649	6.10	39108	7.33					
6M86200.D	AC67076-008	112780	4.54	65254	6.10	28558	7.33					
6M86201.D	AC67076-009	198242	4.54	87641	6.10	41094	7.33					
6M86202.D	AC67076-010	158457	4.55	86000	6.11	39578	7.35					
6M86203.D	AC67059-001	238816	4.53	146060	6.09	65943	7.32					

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

Semi-Volatile Data

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC66869-001
Client Id: RI-B1-A
Data File: 7M54876.D
Analysis Date: 07/12/12 17:43
Date Rec/Extracted: 07/02/12-07/11/12
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 90

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
122-66-7	1,2-Diphenylhydrazine	0.037	U	207-08-9	Benzo[k]fluoranthene	0.037	U
95-95-4	2,4,5-Trichlorophenol	0.037	U	65-85-0	Benzoic Acid	0.19	U
88-06-2	2,4,6-Trichlorophenol	0.037	U	111-91-1	bis(2-Chloroethoxy)methan	0.037	U
120-83-2	2,4-Dichlorophenol	0.0093	U	111-44-4	bis(2-Chloroethyl)ether	0.0093	U
105-67-9	2,4-Dimethylphenol	0.037	U	108-60-1	bis(2-chloroisopropyl)ether	0.037	U
51-28-5	2,4-Dinitrophenol	0.19	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.037	U
121-14-2	2,4-Dinitrotoluene	0.037	U	85-68-7	Butylbenzylphthalate	0.037	U
606-20-2	2,6-Dinitrotoluene	0.037	U	86-74-8	Carbazole	0.037	U
91-58-7	2-Chloronaphthalene	0.037	U	218-01-9	Chrysene	0.037	U
95-57-8	2-Chlorophenol	0.037	U	53-70-3	Dibenzo[a,h]anthracene	0.037	U
91-57-6	2-Methylnaphthalene	0.037	U	132-64-9	Dibenzofuran	0.0093	U
95-48-7	2-Methylphenol	0.0093	U	84-66-2	Diethylphthalate	0.037	U
88-74-4	2-Nitroaniline	0.037	U	131-11-3	Dimethylphthalate	0.037	U
88-75-5	2-Nitrophenol	0.037	U	84-74-2	Di-n-butylphthalate	0.019	U
106-44-5	3&4-Methylphenol	0.0093	U	117-84-0	Di-n-octylphthalate	0.037	U
91-94-1	3,3'-Dichlorobenzidine	0.037	U	206-44-0	Fluoranthene	0.037	U
99-09-2	3-Nitroaniline	0.037	U	86-73-7	Fluorene	0.037	U
534-52-1	4,6-Dinitro-2-methylphenol	0.037	U	118-74-1	Hexachlorobenzene	0.037	U
101-55-3	4-Bromophenyl-phenylether	0.037	U	87-68-3	Hexachlorobutadiene	0.037	U
59-50-7	4-Chloro-3-methylphenol	0.037	U	77-47-4	Hexachlorocyclopentadiene	0.037	U
106-47-8	4-Chloroaniline	0.018	U	67-72-1	Hexachloroethane	0.037	U
7005-72-3	4-Chlorophenyl-phenylether	0.037	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.037	U
100-01-6	4-Nitroaniline	0.037	U	78-59-1	Isophorone	0.037	U
100-02-7	4-Nitrophenol	0.037	U	91-20-3	Naphthalene	0.0093	U
83-32-9	Acenaphthene	0.037	U	98-95-3	Nitrobenzene	0.037	U
208-96-8	Acenaphthylene	0.037	U	62-75-9	N-Nitrosodimethylamine	0.037	U
62-53-3	Aniline	0.015	U	621-64-7	N-Nitroso-di-n-propylamine	0.0093	U
120-12-7	Anthracene	0.037	U	86-30-6	n-Nitrosodiphenylamine	0.037	U
92-87-5	Benzidine	0.037	U	87-86-5	Pentachlorophenol	0.19	U
56-55-3	Benzo[a]anthracene	0.037	U	85-01-8	Phenanthrene	0.037	U
50-32-8	Benzo[a]pyrene	0.037	U	108-95-2	Phenol	0.037	U
205-99-2	Benzo[b]fluoranthene	0.037	U	129-00-0	Pyrene	0.037	U
191-24-2	Benzo[g,h,i]perylene	0.037	U				

Worksheet #: 233774 ***Total Target Concentration*** 0 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Quantitation Report (QT Reviewed)

2070213 0123

SampleID : AC66869-001 Operator : AHD Qt Meth : 7M_0618.M
Data File: 7M54876.D Sam Mult : 1 Vial# : 23 Qt On : 07/12/12 18:01
Acq On : 07/12/12 17:43 Misc : S,BNA Qt Upd On: 06/18/12 13:22

Data Path : G:\GcMsData\2012\GCMS_7\Data\07-12-12\
Qt Path : G:\GCMSDATA\2012\GCMS_7\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.590	152	40728	40.00 ng	-0.06
30) Naphthalene-d8	6.605	136	151266	40.00 ng	-0.08
48) Acenaphthene-d10	8.016	164	91529	40.00 ng	-0.11
75) Phenanthrene-d10	9.458	188	163753	40.00 ng	-0.11
89) Chrysene-d12	12.514	240	151753	40.00 ng	-0.09
101) Perylene-d12	14.197	264	138710	40.00 ng	-0.07
System Monitoring Compounds					
11) 2-Fluorophenol	4.388	112	132033	94.43 ng	-0.05
Spiked Amount 100.000			Recovery = 94.43%		
16) Phenol-d5	5.291	99	179854	97.29 ng	-0.05
Spiked Amount 100.000			Recovery = 97.29%		
31) Nitrobenzene-d5	6.044	128	34428	47.47 ng	-0.07
Spiked Amount 50.000			Recovery = 94.94%		
53) 2-Fluorobiphenyl	7.439	172	169161	49.53 ng	-0.11
Spiked Amount 50.000			Recovery = 99.06%		
78) 2,4,6-Tribromophenol	8.748	330	44942	114.03 ng	-0.11
Spiked Amount 100.000			Recovery = 114.03%		
92) Terphenyl-d14	11.264	244	217934	62.82 ng	-0.09
Spiked Amount 50.000			Recovery = 125.64%		

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

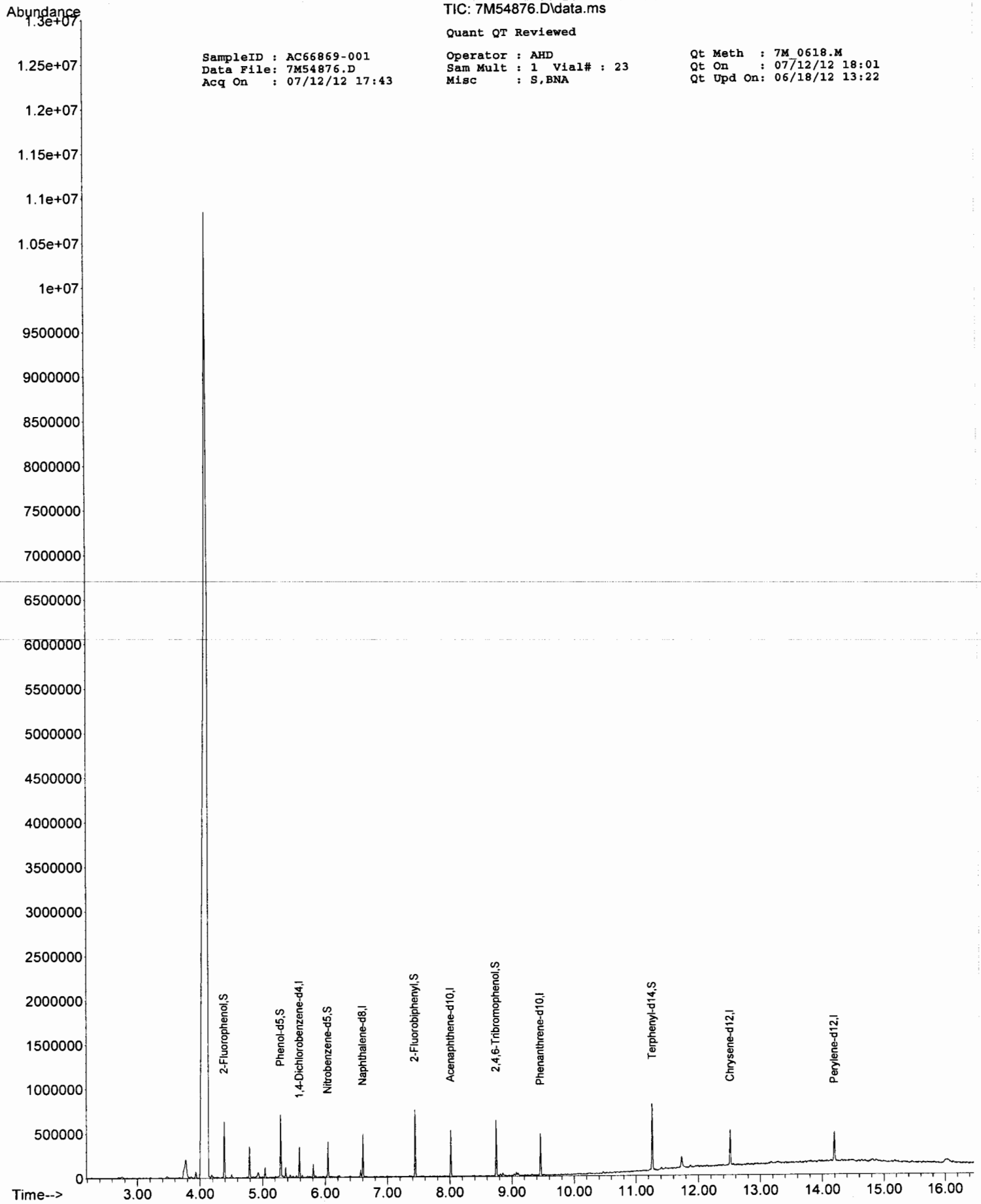
TIC: 7M54876.D\data.ms

Quant QT Reviewed

SampleID : AC66869-001
Data File: 7M54876.D
Acq On : 07/12/12 17:43

Operator : AHD
Sam Mult : 1 Vial# : 23
Misc : S,BNA

Qt Meth : 7M_0618.M
Qt On : 07/12/12 18:01
Qt Upd On: 06/18/12 13:22



Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC66869-002
Client Id: RI-B1-B
Data File: 7M54877.D
Analysis Date: 07/12/12 18:07
Date Rec/Extracted: 07/02/12-07/11/12
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 88

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
122-66-7	1,2-Diphenylhydrazine	0.038	U	207-08-9	Benzo[k]fluoranthene	0.038	U
95-95-4	2,4,5-Trichlorophenol	0.038	U	65-85-0	Benzoic Acid	0.19	U
88-06-2	2,4,6-Trichlorophenol	0.038	U	111-91-1	bis(2-Chloroethoxy)methan	0.038	U
120-83-2	2,4-Dichlorophenol	0.0095	U	111-44-4	bis(2-Chloroethyl)ether	0.0095	U
105-67-9	2,4-Dimethylphenol	0.038	U	108-60-1	bis(2-chloroisopropyl)ether	0.038	U
51-28-5	2,4-Dinitrophenol	0.19	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.038	U
121-14-2	2,4-Dinitrotoluene	0.038	U	85-68-7	Butylbenzylphthalate	0.038	U
606-20-2	2,6-Dinitrotoluene	0.038	U	86-74-8	Carbazole	0.038	U
91-58-7	2-Chloronaphthalene	0.038	U	218-01-9	Chrysene	0.038	U
95-57-8	2-Chlorophenol	0.038	U	53-70-3	Dibenzo[a,h]anthracene	0.038	U
91-57-6	2-Methylnaphthalene	0.038	U	132-64-9	Dibenzofuran	0.0095	U
95-48-7	2-Methylphenol	0.0095	U	84-66-2	Diethylphthalate	0.038	U
88-74-4	2-Nitroaniline	0.038	U	131-11-3	Dimethylphthalate	0.038	U
88-75-5	2-Nitrophenol	0.038	U	84-74-2	Di-n-butylphthalate	0.019	U
106-44-5	3&4-Methylphenol	0.0095	U	117-84-0	Di-n-octylphthalate	0.038	U
91-94-1	3,3'-Dichlorobenzidine	0.038	U	206-44-0	Fluoranthene	0.038	U
99-09-2	3-Nitroaniline	0.038	U	86-73-7	Fluorene	0.038	U
534-52-1	4,6-Dinitro-2-methylphenol	0.038	U	118-74-1	Hexachlorobenzene	0.038	U
101-55-3	4-Bromophenyl-phenylether	0.038	U	87-68-3	Hexachlorobutadiene	0.038	U
59-50-7	4-Chloro-3-methylphenol	0.038	U	77-47-4	Hexachlorocyclopentadiene	0.038	U
106-47-8	4-Chloroaniline	0.018	U	67-72-1	Hexachloroethane	0.038	U
7005-72-3	4-Chlorophenyl-phenylether	0.038	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.038	U
100-01-6	4-Nitroaniline	0.038	U	78-59-1	Isophorone	0.038	U
100-02-7	4-Nitrophenol	0.038	U	91-20-3	Naphthalene	0.0095	U
83-32-9	Acenaphthene	0.038	U	98-95-3	Nitrobenzene	0.038	U
208-96-8	Acenaphthylene	0.038	U	62-75-9	N-Nitrosodimethylamine	0.038	U
62-53-3	Aniline	0.015	U	621-64-7	N-Nitroso-di-n-propylamine	0.0095	U
120-12-7	Anthracene	0.038	U	86-30-6	n-Nitrosodiphenylamine	0.038	U
92-87-5	Benzidine	0.038	U	87-86-5	Pentachlorophenol	0.19	U
56-55-3	Benzo[a]anthracene	0.038	U	85-01-8	Phenanthrene	0.038	U
50-32-8	Benzo[a]pyrene	0.038	U	108-95-2	Phenol	0.038	U
205-99-2	Benzo[b]fluoranthene	0.038	U	129-00-0	Pyrene	0.038	U
191-24-2	Benzo[g,h,i]perylene	0.038	U				

Worksheet #: 233774

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Quantitation Report (QT Reviewed)

2070213 0126

SampleID : AC66869-002 Operator : AHD Qt Meth : 7M_0618.M
Data File: 7M54877.D Sam Mult : 1 Vial# : 24 Qt On : 07/13/12 07:57
Acq On : 07/12/12 18:07 Misc : S,BNA Qt Upd On: 06/18/12 13:14

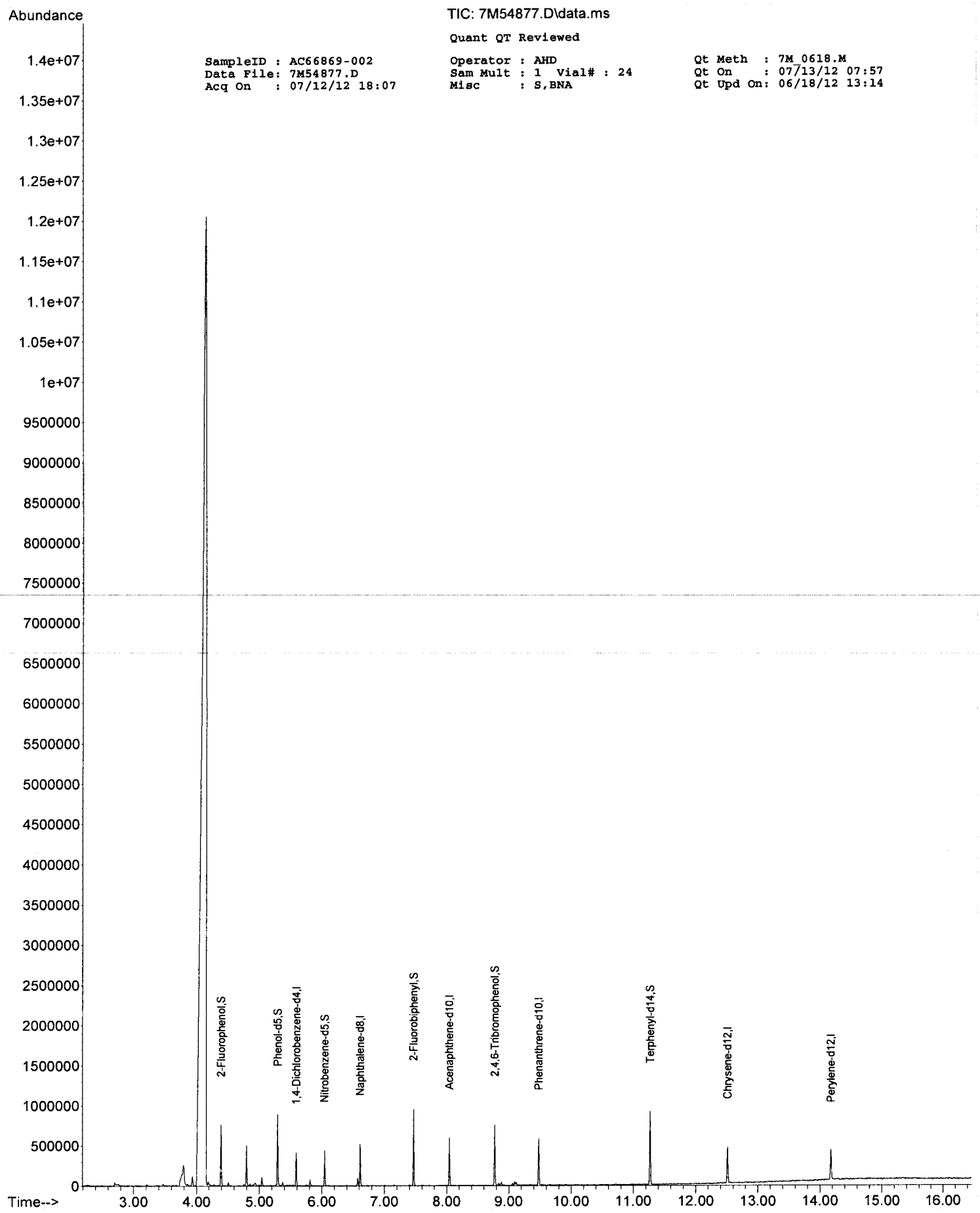
Data Path : G:\GcMsData\2012\GCMS_7\Data\07-12-12\
Qt Path : G:\GCMSDATA\2012\GCMS_7\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.590	152	45787	40.00 ng	-0.06
30) Naphthalene-d8	6.611	136	179798	40.00 ng	-0.07
48) Acenaphthene-d10	8.042	164	108104	40.00 ng	-0.08
75) Phenanthrene-d10	9.479	188	189105	40.00 ng	-0.09
89) Chrysene-d12	12.514	240	169844	40.00 ng	-0.09
101) Perylene-d12	14.181	264	153517	40.00 ng	-0.09
System Monitoring Compounds					
11) 2-Fluorophenol	4.394	112	164908	104.92 ng	-0.05
Spiked Amount 100.000			Recovery	= 104.92%	
16) Phenol-d5	5.291	99	219706	105.72 ng	-0.05
Spiked Amount 100.000			Recovery	= 105.72%	
31) Nitrobenzene-d5	6.044	128	41053	47.62 ng	-0.07
Spiked Amount 50.000			Recovery	= 95.24%	
53) 2-Fluorobiphenyl	7.465	172	209573	51.95 ng	-0.08
Spiked Amount 50.000			Recovery	= 103.90%	
78) 2,4,6-Tribromophenol	8.774	330	54730	120.25 ng	-0.08
Spiked Amount 100.000			Recovery	= 120.25%	
92) Terphenyl-d14	11.269	244	256894	66.16 ng	-0.08
Spiked Amount 50.000			Recovery	= 132.32%	

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ba


Abundance
TIC: 7M54877.D\data.ms
Quant QT Reviewed
SampleID : AC66869-002
Data File: 7M54877.D
Acq On : 07/12/12 18:07
Operator : AHD
Sam Mult : 1 Vial# : 24
Misc : S,BNA
Qt Meth : 7M_0618.M
Qt On : 07/13/12 07:57
Qt Upd On: 06/18/12 13:14
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC66869-003
Client Id: RI-B2-A
Data File: 7M54878.D
Analysis Date: 07/12/12 18:30
Date Rec/Extracted: 07/02/12-07/11/12
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 91

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
122-66-7	1,2-Diphenylhydrazine	0.037	U	207-08-9	Benzo[k]fluoranthene	0.037	U
95-95-4	2,4,5-Trichlorophenol	0.037	U	65-85-0	Benzoic Acid	0.18	U
88-06-2	2,4,6-Trichlorophenol	0.037	U	111-91-1	bis(2-Chloroethoxy)methan	0.037	U
120-83-2	2,4-Dichlorophenol	0.0092	U	111-44-4	bis(2-Chloroethyl)ether	0.0092	U
105-67-9	2,4-Dimethylphenol	0.037	U	108-60-1	bis(2-chloroisopropyl)ether	0.037	U
51-28-5	2,4-Dinitrophenol	0.18	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.037	U
121-14-2	2,4-Dinitrotoluene	0.037	U	85-68-7	Butylbenzylphthalate	0.037	U
606-20-2	2,6-Dinitrotoluene	0.037	U	86-74-8	Carbazole	0.037	U
91-58-7	2-Chloronaphthalene	0.037	U	218-01-9	Chrysene	0.037	U
95-57-8	2-Chlorophenol	0.037	U	53-70-3	Dibenzo[a,h]anthracene	0.037	U
91-57-6	2-Methylnaphthalene	0.037	U	132-64-9	Dibenzofuran	0.0092	U
95-48-7	2-Methylphenol	0.0092	U	84-66-2	Diethylphthalate	0.037	U
88-74-4	2-Nitroaniline	0.037	U	131-11-3	Dimethylphthalate	0.037	U
88-75-5	2-Nitrophenol	0.037	U	84-74-2	Di-n-butylphthalate	0.018	U
106-44-5	3&4-Methylphenol	0.0092	U	117-84-0	Di-n-octylphthalate	0.037	U
91-94-1	3,3'-Dichlorobenzidine	0.037	U	206-44-0	Fluoranthene	0.037	U
99-09-2	3-Nitroaniline	0.037	U	86-73-7	Fluorene	0.037	U
534-52-1	4,6-Dinitro-2-methylphenol	0.037	U	118-74-1	Hexachlorobenzene	0.037	U
101-55-3	4-Bromophenyl-phenylether	0.037	U	87-68-3	Hexachlorobutadiene	0.037	U
59-50-7	4-Chloro-3-methylphenol	0.037	U	77-47-4	Hexachlorocyclopentadiene	0.037	U
106-47-8	4-Chloroaniline	0.017	U	67-72-1	Hexachloroethane	0.037	U
7005-72-3	4-Chlorophenyl-phenylether	0.037	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.037	U
100-01-6	4-Nitroaniline	0.037	U	78-59-1	Isophorone	0.037	U
100-02-7	4-Nitrophenol	0.037	U	91-20-3	Naphthalene	0.0092	U
83-32-9	Acenaphthene	0.037	U	98-95-3	Nitrobenzene	0.037	U
208-96-8	Acenaphthylene	0.037	U	62-75-9	N-Nitrosodimethylamine	0.037	U
62-53-3	Aniline	0.015	U	621-64-7	N-Nitroso-di-n-propylamine	0.0092	U
120-12-7	Anthracene	0.037	U	86-30-6	n-Nitrosodiphenylamine	0.037	U
92-87-5	Benzidine	0.037	U	87-86-5	Pentachlorophenol	0.18	U
56-55-3	Benzo[a]anthracene	0.037	U	85-01-8	Phenanthrene	0.037	U
50-32-8	Benzo[a]pyrene	0.037	U	108-95-2	Phenol	0.037	U
205-99-2	Benzo[b]fluoranthene	0.037	U	129-00-0	Pyrene	0.037	U
191-24-2	Benzo[g,h,i]perylene	0.037	U				

Worksheet #: 233774

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration use

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Quantitation Report (QT Reviewed)

2070213 0129

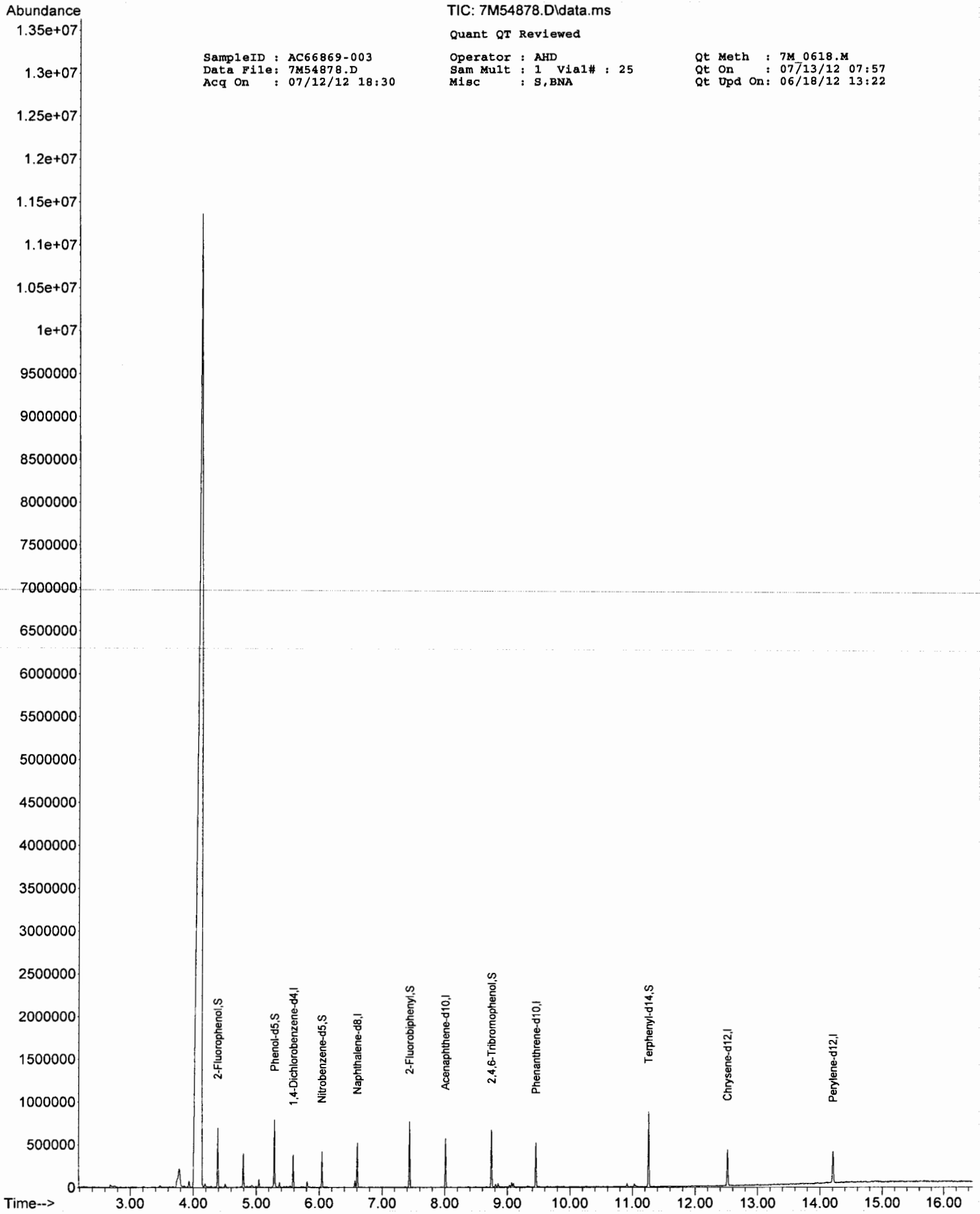
SampleID : AC66869-003 Operator : AHD Qt Meth : 7M_0618.M
Data File: 7M54878.D Sam Mult : 1 Vial# : 25 Qt On : 07/13/12 07:57
Acq On : 07/12/12 18:30 Misc : S,BNA Qt Upd On: 06/18/12 13:22

Data Path : G:\GcMsData\2012\GCMS_7\Data\07-12-12\
Qt Path : G:\GCMSDATA\2012\GCMS_7\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.590	152	46532	40.00	ng	-0.06
30) Naphthalene-d8	6.605	136	172859	40.00	ng	-0.08
48) Acenaphthene-d10	8.010	164	101993	40.00	ng	-0.12
75) Phenanthrene-d10	9.458	188	183621	40.00	ng	-0.11
89) Chrysene-d12	12.514	240	160160	40.00	ng	-0.09
101) Perylene-d12	14.207	264	151051	40.00	ng	-0.06
System Monitoring Compounds						
11) 2-Fluorophenol	4.388	112	140952	88.24	ng	-0.05
Spiked Amount 100.000			Recovery = 88.24%			
16) Phenol-d5	5.291	99	205265	97.19	ng	-0.05
Spiked Amount 100.000			Recovery = 97.19%			
31) Nitrobenzene-d5	6.044	128	39400	47.54	ng	-0.07
Spiked Amount 50.000			Recovery = 95.08%			
53) 2-Fluorobiphenyl	7.439	172	198285	52.10	ng	-0.11
Spiked Amount 50.000			Recovery = 104.20%			
78) 2,4,6-Tribromophenol	8.747	330	52796	119.46	ng	-0.11
Spiked Amount 100.000			Recovery = 119.46%			
92) Terphenyl-d14	11.258	244	244221	66.70	ng	-0.09
Spiked Amount 50.000			Recovery = 133.40%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 7M54878.D\data.ms
Quant QT Reviewed
SampleID : AC66869-003
Data File: 7M54878.D
Acq On : 07/12/12 18:30
Operator : AHD
Sam Mult : 1 Vial# : 25
Misc : S,BNA
Qt Meth : 7M_0618.M
Qt On : 07/13/12 07:57
Qt Upd On: 06/18/12 13:22
1.35e+07
1.3e+07
1.25e+07
1.2e+07
1.15e+07
1.1e+07
1.05e+07
1e+07
9500000
9000000
8500000
8000000
7500000
7000000
6500000
6000000
5500000
5000000
4500000
4000000
3500000
3000000
2500000
2000000
1500000
1000000
500000
0
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->
3.00
4.00
5.00
6.00
7.00
8.00
9.00
10.00
11.00
12.00
13.00
14.00
15.00
16.00

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC66869-004
Client Id: RI-B2-B
Data File: 7M54879.D
Analysis Date: 07/12/12 18:54
Date Rec/Extracted: 07/02/12-07/11/12
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 94

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
122-66-7	1,2-Diphenylhydrazine	0.035	U	207-08-9	Benzo[k]fluoranthene	0.035	U
95-95-4	2,4,5-Trichlorophenol	0.035	U	65-85-0	Benzoic Acid	0.18	U
88-06-2	2,4,6-Trichlorophenol	0.035	U	111-91-1	bis(2-Chloroethoxy)methan	0.035	U
120-83-2	2,4-Dichlorophenol	0.0089	U	111-44-4	bis(2-Chloroethyl)ether	0.0089	U
105-67-9	**2,4-Dimethylphenol**	**0.035**	**0.043**	108-60-1	bis(2-chloroisopropyl)ether	0.035	U
51-28-5	2,4-Dinitrophenol	0.18	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.035	U
121-14-2	2,4-Dinitrotoluene	0.035	U	85-68-7	Butylbenzylphthalate	0.035	U
606-20-2	2,6-Dinitrotoluene	0.035	U	86-74-8	Carbazole	0.035	U
91-58-7	2-Chloronaphthalene	0.035	U	218-01-9	Chrysene	0.035	U
95-57-8	2-Chlorophenol	0.035	U	53-70-3	Dibenzo[a,h]anthracene	0.035	U
91-57-6	**2-Methylnaphthalene**	**0.035**	**0.29**	132-64-9	Dibenzofuran	0.0089	U
95-48-7	2-Methylphenol	0.0089	U	84-66-2	Diethylphthalate	0.035	U
88-74-4	2-Nitroaniline	0.035	U	131-11-3	Dimethylphthalate	0.035	U
88-75-5	2-Nitrophenol	0.035	U	84-74-2	Di-n-butylphthalate	0.018	U
106-44-5	3&4-Methylphenol	0.0089	U	117-84-0	Di-n-octylphthalate	0.035	U
91-94-1	3,3'-Dichlorobenzidine	0.035	U	206-44-0	Fluoranthene	0.035	U
99-09-2	3-Nitroaniline	0.035	U	86-73-7	Fluorene	0.035	U
534-52-1	4,6-Dinitro-2-methylphenol	0.035	U	118-74-1	Hexachlorobenzene	0.035	U
101-55-3	4-Bromophenyl-phenylether	0.035	U	87-68-3	Hexachlorobutadiene	0.035	U
59-50-7	4-Chloro-3-methylphenol	0.035	U	77-47-4	Hexachlorocyclopentadiene	0.035	U
106-47-8	4-Chloroaniline	0.017	U	67-72-1	Hexachloroethane	0.035	U
7005-72-3	4-Chlorophenyl-phenylether	0.035	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.035	U
100-01-6	4-Nitroaniline	0.035	U	78-59-1	Isophorone	0.035	U
100-02-7	4-Nitrophenol	0.035	U	**91-20-3**	**Naphthalene**	**0.0089**	**0.15**
83-32-9	Acenaphthene	0.035	U	98-95-3	Nitrobenzene	0.035	U
208-96-8	Acenaphthylene	0.035	U	62-75-9	N-Nitrosodimethylamine	0.035	U
62-53-3	Aniline	0.014	U	621-64-7	N-Nitroso-di-n-propylamine	0.0089	U
120-12-7	Anthracene	0.035	U	86-30-6	n-Nitrosodiphenylamine	0.035	U
92-87-5	Benzidine	0.035	U	87-86-5	Pentachlorophenol	0.18	U
56-55-3	Benzo[a]anthracene	0.035	U	85-01-8	Phenanthrene	0.035	U
50-32-8	Benzo[a]pyrene	0.035	U	108-95-2	Phenol	0.035	U
205-99-2	Benzo[b]fluoranthene	0.035	U	129-00-0	Pyrene	0.035	U
191-24-2	Benzo[g,h,i]perylene	0.035	U				

Worksheet #: 233774

Total Target Concentration 0.48

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration use

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Quantitation Report (QT Reviewed)

2070213 0132

SampleID : AC66869-004 Operator : AHD Qt Meth : 7M_0618.M
Data File: 7M54879.D Sam Mult : 1 Vial# : 26 Qt On : 07/13/12 07:57
Acq On : 07/12/12 18:54 Misc : S,BNA Qt Upd On: 06/18/12 13:22

Data Path : G:\GcMsData\2012\GCMS_7\Data\07-12-12\
Qt Path : G:\GCMSDATA\2012\GCMS_7\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.590	152	42084	40.00	ng	-0.06
30) Naphthalene-d8	6.605	136	159478	40.00	ng	-0.08
48) Acenaphthene-d10	8.005	164	95925	40.00	ng	-0.12
75) Phenanthrene-d10	9.453	188	172069	40.00	ng	-0.12
89) Chrysene-d12	12.508	240	160052	40.00	ng	-0.09
101) Perylene-d12	14.175	264	147546	40.00	ng	-0.09
System Monitoring Compounds						
11) 2-Fluorophenol	4.388	112	88199	61.05	ng	-0.05
Spiked Amount 100.000			Recovery = 61.05%			
16) Phenol-d5	5.291	99	171911	90.00	ng	-0.05
Spiked Amount 100.000			Recovery = 90.00%			
31) Nitrobenzene-d5	6.044	128	38084	49.80	ng	-0.07
Spiked Amount 50.000			Recovery = 99.60%			
53) 2-Fluorobiphenyl	7.433	172	170335	47.59	ng	-0.11
Spiked Amount 50.000			Recovery = 95.18%			
78) 2,4,6-Tribromophenol	8.742	330	19779	47.76	ng	-0.12
Spiked Amount 100.000			Recovery = 47.76%			
92) Terphenyl-d14	11.258	244	226801	61.99	ng	-0.09
Spiked Amount 50.000			Recovery = 123.98%			
Target Compounds						Qvalue
35) 2,4-Dimethylphenol	6.327	107	4094	2.4436	ng	64
40) Naphthalene	6.621	128	39065	8.3075	ng	94
45) 2-Methylnaphthalene	7.145	142	49653	16.1247	ng	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

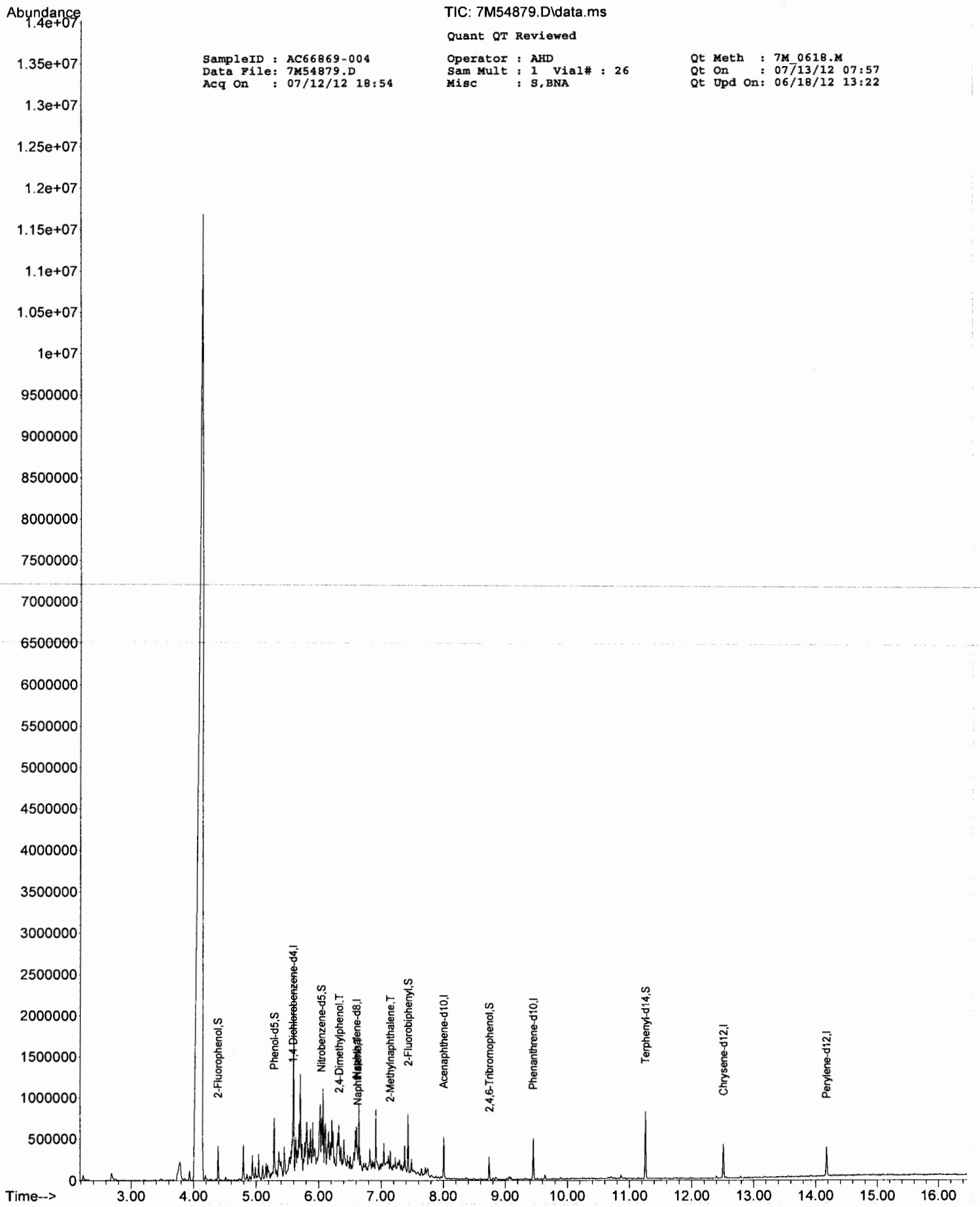
TIC: 7M54879.D\data.ms

Quant QT Reviewed

SampleID : AC66869-004
Data File: 7M54879.D
Acq On : 07/12/12 18:54

Operator : AHD
Sam Mult : 1 Vial# : 26
Misc : S,BNA

Qt Meth : 7M_0618.M
Qt On : 07/13/12 07:57
Qt Upd On: 06/18/12 13:22



Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC66869-005
Client Id: RI-B3-A
Data File: 7M54880.D
Analysis Date: 07/12/12 19:18
Date Rec/Extracted: 07/02/12-07/11/12
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 92

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
122-66-7	1,2-Diphenylhydrazine	0.036	U	207-08-9	Benzo[k]fluoranthene	0.036	U
95-95-4	2,4,5-Trichlorophenol	0.036	U	65-85-0	Benzoic Acid	0.18	U
88-06-2	2,4,6-Trichlorophenol	0.036	U	111-91-1	bis(2-Chloroethoxy)methan	0.036	U
120-83-2	2,4-Dichlorophenol	0.0091	U	111-44-4	bis(2-Chloroethyl)ether	0.0091	U
105-67-9	2,4-Dimethylphenol	0.036	U	108-60-1	bis(2-chloroisopropyl)ether	0.036	U
51-28-5	2,4-Dinitrophenol	0.18	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.036	U
121-14-2	2,4-Dinitrotoluene	0.036	U	85-68-7	Butylbenzylphthalate	0.036	U
606-20-2	2,6-Dinitrotoluene	0.036	U	86-74-8	Carbazole	0.036	U
91-58-7	2-Chloronaphthalene	0.036	U	**218-01-9**	**Chrysene**	**0.036**	**0.092**
95-57-8	2-Chlorophenol	0.036	U	53-70-3	Dibenzo[a,h]anthracene	0.036	U
91-57-6	2-Methylnaphthalene	0.036	U	132-64-9	Dibenzofuran	0.0091	U
95-48-7	2-Methylphenol	0.0091	U	84-66-2	Diethylphthalate	0.036	U
88-74-4	2-Nitroaniline	0.036	U	131-11-3	Dimethylphthalate	0.036	U
88-75-5	2-Nitrophenol	0.036	U	84-74-2	Di-n-butylphthalate	0.018	U
106-44-5	3&4-Methylphenol	0.0091	U	117-84-0	Di-n-octylphthalate	0.036	U
91-94-1	3,3'-Dichlorobenzidine	0.036	U	**206-44-0**	**Fluoranthene**	**0.036**	**0.14**
99-09-2	3-Nitroaniline	0.036	U	86-73-7	Fluorene	0.036	U
534-52-1	4,6-Dinitro-2-methylphenol	0.036	U	118-74-1	Hexachlorobenzene	0.036	U
101-55-3	4-Bromophenyl-phenylether	0.036	U	87-68-3	Hexachlorobutadiene	0.036	U
59-50-7	4-Chloro-3-methylphenol	0.036	U	77-47-4	Hexachlorocyclopentadiene	0.036	U
106-47-8	4-Chloroaniline	0.017	U	67-72-1	Hexachloroethane	0.036	U
7005-72-3	4-Chlorophenyl-phenylether	0.036	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.036**	**0.075**
100-01-6	4-Nitroaniline	0.036	U	78-59-1	Isophorone	0.036	U
100-02-7	4-Nitrophenol	0.036	U	91-20-3	Naphthalene	0.0091	U
83-32-9	Acenaphthene	0.036	U	98-95-3	Nitrobenzene	0.036	U
208-96-8	Acenaphthylene	0.036	U	62-75-9	N-Nitrosodimethylamine	0.036	U
62-53-3	Aniline	0.015	U	621-64-7	N-Nitroso-di-n-propylamine	0.0091	U
120-12-7	Anthracene	0.036	U	86-30-6	n-Nitrosodiphenylamine	0.036	U
92-87-5	Benzidine	0.036	U	87-86-5	Pentachlorophenol	0.18	U
56-55-3	**Benzo[a]anthracene**	**0.036**	**0.090**	**85-01-8**	**Phenanthrene**	**0.036**	**0.048**
50-32-8	**Benzo[a]pyrene**	**0.036**	**0.096**	108-95-2	Phenol	0.036	U
205-99-2	**Benzo[b]fluoranthene**	**0.036**	**0.16**	**129-00-0**	**Pyrene**	**0.036**	**0.16**
191-24-2	**Benzo[g,h,i]perylene**	**0.036**	**0.069**				

Worksheet #: 233774

Total Target Concentration 0.93

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration use
N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Quantitation Report (QT Reviewed)

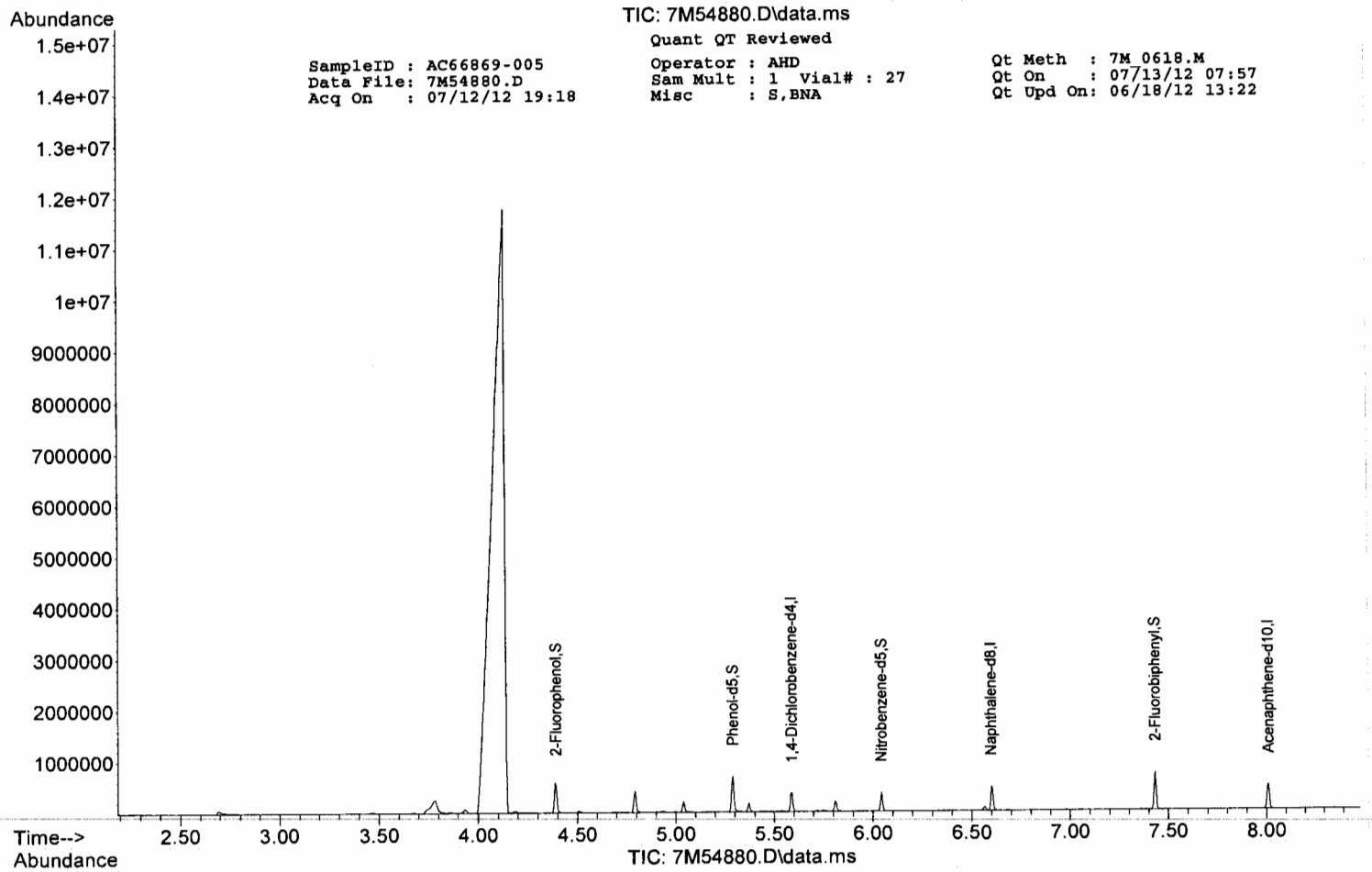
2070213 0135

SampleID : AC66869-005 Operator : AHD Qt Meth : 7M_0618.M
Data File: 7M54880.D Sam Mult : 1 Vial# : 27 Qt On : 07/13/12 07:57
Acq On : 07/12/12 19:18 Misc : S,BNA Qt Upd On: 06/18/12 13:22

Data Path : G:\GcMsData\2012\GCMS_7\Data\07-12-12\
Qt Path : G:\GCMSDATA\2012\GCMS_7\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.590	152	42418	40.00	ng	-0.06
30) Naphthalene-d8	6.600	136	159188	40.00	ng	-0.08
48) Acenaphthene-d10	8.010	164	90063	40.00	ng	-0.12
75) Phenanthrene-d10	9.453	188	158673	40.00	ng	-0.12
89) Chrysene-d12	12.503	240	134118	40.00	ng	-0.10
101) Perylene-d12	14.138	264	124773	40.00	ng	-0.13
System Monitoring Compounds						
11) 2-Fluorophenol	4.394	112	125684	86.31	ng	-0.05
Spiked Amount 100.000			Recovery = 86.31%			
16) Phenol-d5	5.291	99	175905	91.37	ng	-0.05
Spiked Amount 100.000			Recovery = 91.37%			
31) Nitrobenzene-d5	6.044	128	32430	42.49	ng	-0.07
Spiked Amount 50.000			Recovery = 84.98%			
53) 2-Fluorobiphenyl	7.433	172	158961	47.30	ng	-0.11
Spiked Amount 50.000			Recovery = 94.60%			
78) 2,4,6-Tribromophenol	8.742	330	35543	93.07	ng	-0.12
Spiked Amount 100.000			Recovery = 93.07%			
92) Terphenyl-d14	11.258	244	174476	56.91	ng	-0.09
Spiked Amount 50.000			Recovery = 113.82%			
Target Compounds						Qvalue
84) Phenanthrene	9.479	178	12536	2.6542	ng	98
88) Fluoranthene	10.804	202	39201m	7.7497	ng	
90) Pyrene	11.066	202	39614	8.9276	ng	75
98) Benzo[a]anthracene	12.492	228	21123	4.9881	ng	91
99) Chrysene	12.535	228	19327	5.0612	ng	95
103) Benzo[b]fluoranthene	13.721	252	34585m	8.5601	ng	
105) Benzo[a]pyrene	14.079	252	20600	5.3062	ng	87
106) Indeno[1,2,3-cd]pyrene	15.383	276	17024	4.1575	ng	56
108) Benzo[g,h,i]perylene	15.724	276	12960	3.8041	ng	79

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Operator : AHD
Sam Mult : 1 Vial# : 27
Misc : S,BNA
Qt Meth : 7M_0618.M
Qt On : 07/13/12 07:57
Qt Upd On: 06/18/12 13:22
Abundance
1.5e+07
1.4e+07
1.3e+07
1.2e+07
1.1e+07
1e+07
9000000
8000000
7000000
6000000
5000000
4000000
3000000
2000000
1000000
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
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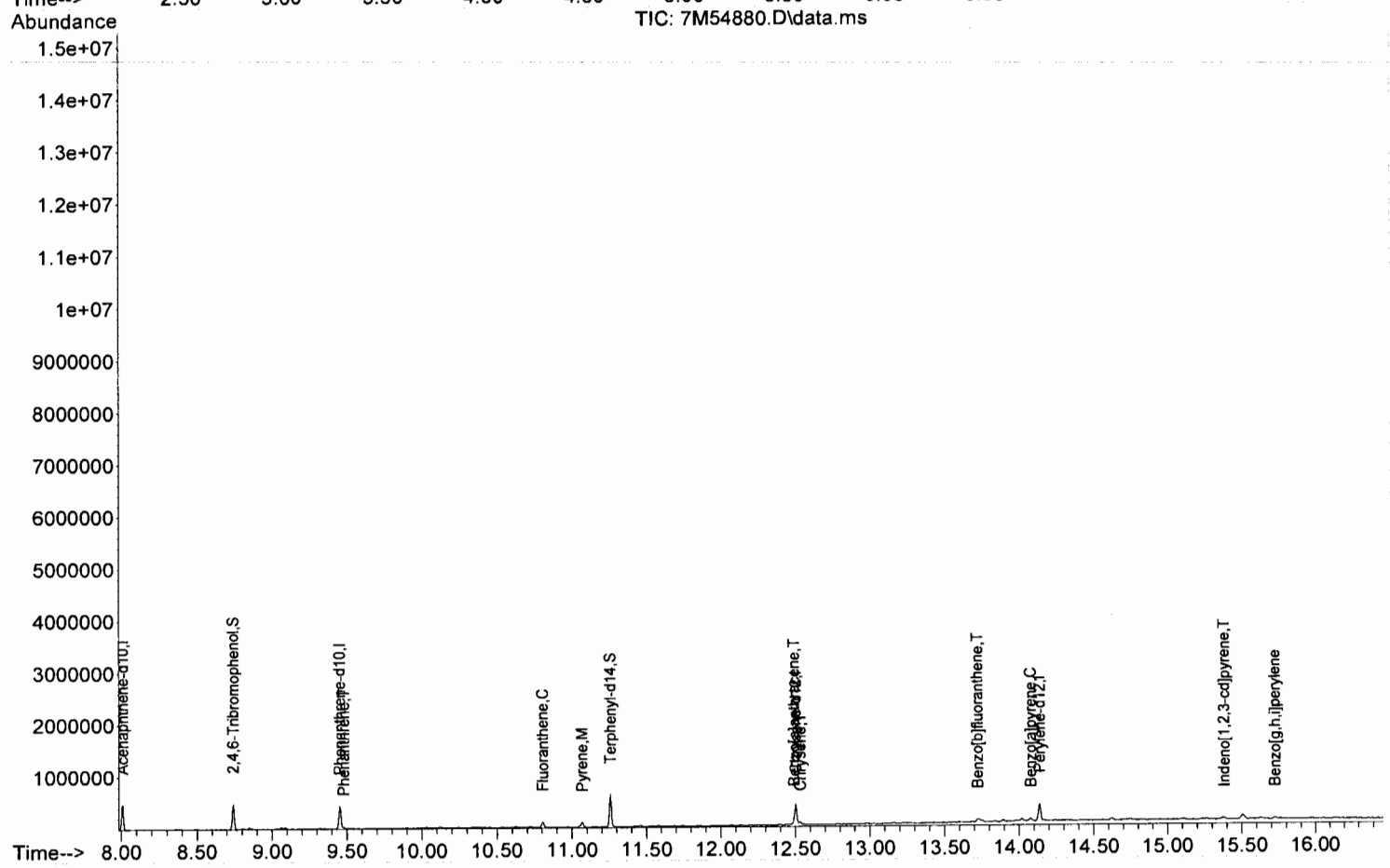
7.50
8.00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Abundance
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1.3e+07
1.2e+07
1.1e+07
1e+07
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8000000
7000000
6000000
5000000
4000000
3000000
2000000
1000000
2,4,6-Tribromophenol,S
Fluoranthene,C
Pyrene,M
Terphenyl-d14,S
Benzo[b]fluoranthene,T
Indeno[1,2,3-cd]pyrene,T
Benzo[g,h,i]perylene
Time-->
8.00
8.50
9.00
9.50
10.00
10.50
11.00
11.50
12.00
12.50
13.00
13.50
14.00
14.50
15.00
15.50
16.00

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC66869-006
Client Id: RI-B3-B
Data File: 7M54881.D
Analysis Date: 07/12/12 19:42
Date Rec/Extracted: 07/02/12-07/11/12
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 1
Solids: 90

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
122-66-7	1,2-Diphenylhydrazine	0.074	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.074**	**0.20**
95-95-4	2,4,5-Trichlorophenol	0.074	U	65-85-0	Benzoic Acid	0.37	U
88-06-2	2,4,6-Trichlorophenol	0.074	U	111-91-1	bis(2-Chloroethoxy)methan	0.074	U
120-83-2	2,4-Dichlorophenol	0.019	U	111-44-4	bis(2-Chloroethyl)ether	0.019	U
105-67-9	2,4-Dimethylphenol	0.074	U	108-60-1	bis(2-chloroisopropyl)ether	0.074	U
51-28-5	2,4-Dinitrophenol	0.37	U	**117-81-7**	**bis(2-Ethylhexyl)phthalate**	**0.074**	**0.088**
121-14-2	2,4-Dinitrotoluene	0.074	U	85-68-7	Butylbenzylphthalate	0.074	U
606-20-2	2,6-Dinitrotoluene	0.074	U	86-74-8	Carbazole	0.074	U
91-58-7	2-Chloronaphthalene	0.074	U	**218-01-9**	**Chrysene**	**0.074**	**0.48**
95-57-8	2-Chlorophenol	0.074	U	53-70-3	Dibenzo[a,h]anthracene	0.074	U
91-57-6	2-Methylnaphthalene	0.074	U	132-64-9	Dibenzofuran	0.019	U
95-48-7	2-Methylphenol	0.019	U	84-66-2	Diethylphthalate	0.074	U
88-74-4	2-Nitroaniline	0.074	U	131-11-3	Dimethylphthalate	0.074	U
88-75-5	2-Nitrophenol	0.074	U	84-74-2	Di-n-butylphthalate	0.037	U
106-44-5	3&4-Methylphenol	0.019	U	117-84-0	Di-n-octylphthalate	0.074	U
91-94-1	3,3'-Dichlorobenzidine	0.074	U	**206-44-0**	**Fluoranthene**	**0.074**	**0.76**
99-09-2	3-Nitroaniline	0.074	U	86-73-7	Fluorene	0.074	U
534-52-1	4,6-Dinitro-2-methylphenol	0.074	U	118-74-1	Hexachlorobenzene	0.074	U
101-55-3	4-Bromophenyl-phenylether	0.074	U	87-68-3	Hexachlorobutadiene	0.074	U
59-50-7	4-Chloro-3-methylphenol	0.074	U	77-47-4	Hexachlorocyclopentadiene	0.074	U
106-47-8	4-Chloroaniline	0.035	U	67-72-1	Hexachloroethane	0.074	U
7005-72-3	4-Chlorophenyl-phenylether	0.074	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.074**	**0.28**
100-01-6	4-Nitroaniline	0.074	U	78-59-1	Isophorone	0.074	U
100-02-7	4-Nitrophenol	0.074	U	91-20-3	Naphthalene	0.019	U
83-32-9	Acenaphthene	0.074	U	98-95-3	Nitrobenzene	0.074	U
208-96-8	Acenaphthylene	0.074	U	62-75-9	N-Nitrosodimethylamine	0.074	U
62-53-3	Aniline	0.030	U	621-64-7	N-Nitroso-di-n-propylamine	0.019	U
120-12-7	**Anthracene**	**0.074**	**0.087**	86-30-6	n-Nitrosodiphenylamine	0.074	U
92-87-5	Benzidine	0.074	U	87-86-5	Pentachlorophenol	0.37	U
56-55-3	**Benzo[a]anthracene**	**0.074**	**0.47**	**85-01-8**	**Phenanthrene**	**0.074**	**0.26**
50-32-8	**Benzo[a]pyrene**	**0.074**	**0.44**	108-95-2	Phenol	0.074	U
205-99-2	**Benzo[b]fluoranthene**	**0.074**	**0.59**	**129-00-0**	**Pyrene**	**0.074**	**0.78**
191-24-2	**Benzo[g,h,i]perylene**	**0.074**	**0.33**				

Worksheet #: 233774 *Total Target Concentration* 4.8 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration use

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Quantitation Report (QT Reviewed)

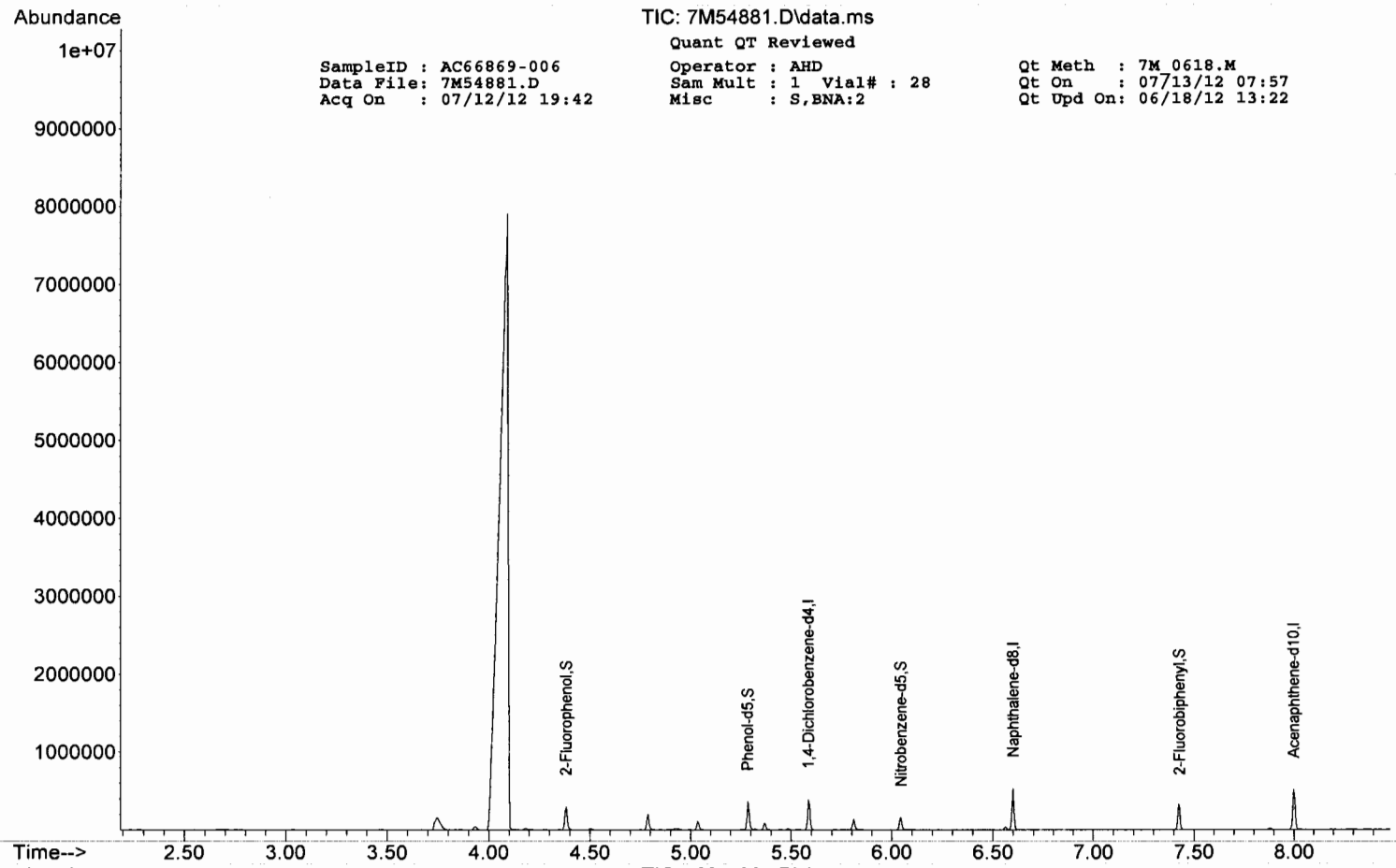
2070213 0138

SampleID : AC66869-006 Operator : AHD Qt Meth : 7M_0618.M
Data File: 7M54881.D Sam Mult : 1 Vial# : 28 Qt On : 07/13/12 07:57
Acq On : 07/12/12 19:42 Misc : S,BNA:2 Qt Upd On: 06/18/12 13:22

Data Path : G:\GcMsData\2012\GCMS_7\Data\07-12-12\
Qt Path : G:\GCMSDATA\2012\GCMS_7\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.585	152	41408	40.00	ng	-0.07
30) Naphthalene-d8	6.600	136	161530	40.00	ng	-0.08
48) Acenaphthene-d10	8.000	164	96802	40.00	ng	-0.13
75) Phenanthrene-d10	9.447	188	170408	40.00	ng	-0.12
89) Chrysene-d12	12.503	240	145905	40.00	ng	-0.10
101) Perylene-d12	14.154	264	145697	40.00	ng	-0.12
System Monitoring Compounds						
11) 2-Fluorophenol	4.383	112	61433	43.22	ng	-0.06
Spiked Amount 100.000			Recovery = 43.22%			
16) Phenol-d5	5.286	99	84829	45.14	ng	-0.06
Spiked Amount 100.000			Recovery = 45.14%			
31) Nitrobenzene-d5	6.044	128	16942	21.87	ng	-0.07
Spiked Amount 50.000			Recovery = 43.74%			
53) 2-Fluorobiphenyl	7.428	172	77686	21.51	ng	-0.12
Spiked Amount 50.000			Recovery = 43.02%			
78) 2,4,6-Tribromophenol	8.737	330	19309	47.08	ng	-0.12
Spiked Amount 100.000			Recovery = 47.08%			
92) Terphenyl-d14	11.253	244	92915	27.86	ng	-0.10
Spiked Amount 50.000			Recovery = 55.72%			
Target Compounds						Qvalue
84) Phenanthrene	9.474	178	36000	7.0973	ng	96
85) Anthracene	9.533	178	12316	2.3543	ng	91
88) Fluoranthene	10.804	202	110904	20.4150	ng	86
90) Pyrene	11.066	202	101787	21.0861	ng	81
98) Benzo[a]anthracene	12.493	228	58870	12.7789	ng	100
99) Chrysene	12.535	228	53958	12.9886	ng	97
100) bis(2-Ethylhexyl)phtha...	12.546	149	8077	2.3705	ng	80
103) Benzo[b]fluoranthene	13.737	252	75064m	15.9108	ng	
104) Benzo[k]fluoranthene	13.759	252	25849m	5.4885	ng	
105) Benzo[a]pyrene	14.090	252	53628	11.8297	ng	85
106) Indeno[1,2,3-cd]pyrene	15.393	276	36776	7.6914	ng	59
108) Benzo[g,h,i]perylene	15.746	276	35630	8.9564	ng	76

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : AC66869-006
Data File: 7M54881.D
Acq On : 07/12/12 19:42
Operator : AHD
Sam Mult : 1 Vial# : 28
Misc : S,BNA:2
Qt Meth : 7M_0618.M
Qt On : 07/13/12 07:57
Qt Upd On: 06/18/12 13:22
1e+07
9000000
8000000
7000000
6000000
5000000
4000000
3000000
2000000
1000000
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
Time-->
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6.00
6.50
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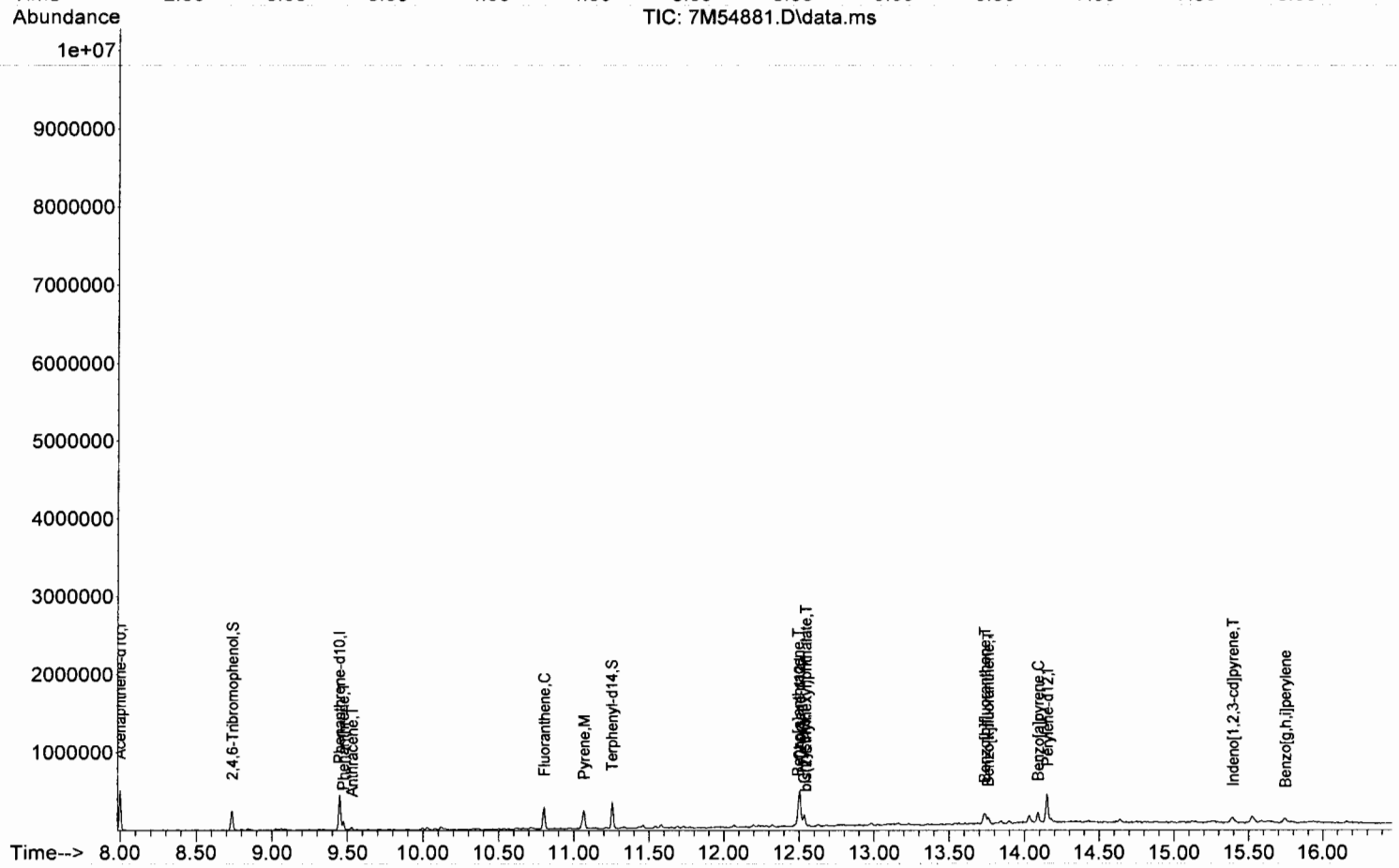
8.00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4000000
3000000
2000000
1000000
2,4,6-Tribromophenol,S
Fluoranthene,C
Pyrene,M
Terphenyl-d14,S
Indeno[1,2,3-cd]pyrene,T
Benzo[g,h,i]perylene
Time-->
8.00
8.50
9.00
9.50
10.00
10.50
11.00
11.50
12.00
12.50
13.00
13.50
14.00
14.50
15.00
15.50
16.00

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC66869-007
Client Id: RI-B2-C
Data File: 7M54882.D
Analysis Date: 07/12/12 20:05
Date Rec/Extracted: 07/02/12-07/11/12
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 94

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
122-66-7	1,2-Diphenylhydrazine	0.035	U	207-08-9	Benzo[k]fluoranthene	0.035	U
95-95-4	2,4,5-Trichlorophenol	0.035	U	65-85-0	Benzoic Acid	0.18	U
88-06-2	2,4,6-Trichlorophenol	0.035	U	111-91-1	bis(2-Chloroethoxy)methan	0.035	U
120-83-2	2,4-Dichlorophenol	0.0089	U	111-44-4	bis(2-Chloroethyl)ether	0.0089	U
105-67-9	**2,4-Dimethylphenol**	**0.035**	**0.047**	108-60-1	bis(2-chloroisopropyl)ether	0.035	U
51-28-5	2,4-Dinitrophenol	0.18	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.035	U
121-14-2	2,4-Dinitrotoluene	0.035	U	85-68-7	Butylbenzylphthalate	0.035	U
606-20-2	2,6-Dinitrotoluene	0.035	U	86-74-8	Carbazole	0.035	U
91-58-7	2-Chloronaphthalene	0.035	U	218-01-9	Chrysene	0.035	U
95-57-8	2-Chlorophenol	0.035	U	53-70-3	Dibenzo[a,h]anthracene	0.035	U
91-57-6	**2-Methylnaphthalene**	**0.035**	**0.26**	132-64-9	Dibenzofuran	0.0089	U
95-48-7	2-Methylphenol	0.0089	U	84-66-2	Diethylphthalate	0.035	U
88-74-4	2-Nitroaniline	0.035	U	131-11-3	Dimethylphthalate	0.035	U
88-75-5	2-Nitrophenol	0.035	U	84-74-2	Di-n-butylphthalate	0.018	U
106-44-5	3&4-Methylphenol	0.0089	U	117-84-0	Di-n-octylphthalate	0.035	U
91-94-1	3,3'-Dichlorobenzidine	0.035	U	206-44-0	Fluoranthene	0.035	U
99-09-2	3-Nitroaniline	0.035	U	86-73-7	Fluorene	0.035	U
534-52-1	4,6-Dinitro-2-methylphenol	0.035	U	118-74-1	Hexachlorobenzene	0.035	U
101-55-3	4-Bromophenyl-phenylether	0.035	U	87-68-3	Hexachlorobutadiene	0.035	U
59-50-7	4-Chloro-3-methylphenol	0.035	U	77-47-4	Hexachlorocyclopentadiene	0.035	U
106-47-8	4-Chloroaniline	0.017	U	67-72-1	Hexachloroethane	0.035	U
7005-72-3	4-Chlorophenyl-phenylether	0.035	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.035	U
100-01-6	4-Nitroaniline	0.035	U	78-59-1	Isophorone	0.035	U
100-02-7	4-Nitrophenol	0.035	U	**91-20-3**	**Naphthalene**	**0.0089**	**0.13**
83-32-9	Acenaphthene	0.035	U	98-95-3	Nitrobenzene	0.035	U
208-96-8	Acenaphthylene	0.035	U	62-75-9	N-Nitrosodimethylamine	0.035	U
62-53-3	Aniline	0.014	U	621-64-7	N-Nitroso-di-n-propylamine	0.0089	U
120-12-7	Anthracene	0.035	U	86-30-6	n-Nitrosodiphenylamine	0.035	U
92-87-5	Benzidine	0.035	U	87-86-5	Pentachlorophenol	0.18	U
56-55-3	Benzo[a]anthracene	0.035	U	85-01-8	Phenanthrene	0.035	U
50-32-8	Benzo[a]pyrene	0.035	U	108-95-2	Phenol	0.035	U
205-99-2	Benzo[b]fluoranthene	0.035	U	129-00-0	Pyrene	0.035	U
191-24-2	Benzo[g,h,i]perylene	0.035	U				

Worksheet #: 233774 ***Total Target Concentration*** 0.44 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration use

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Quantitation Report (QT Reviewed)

2070213 0141

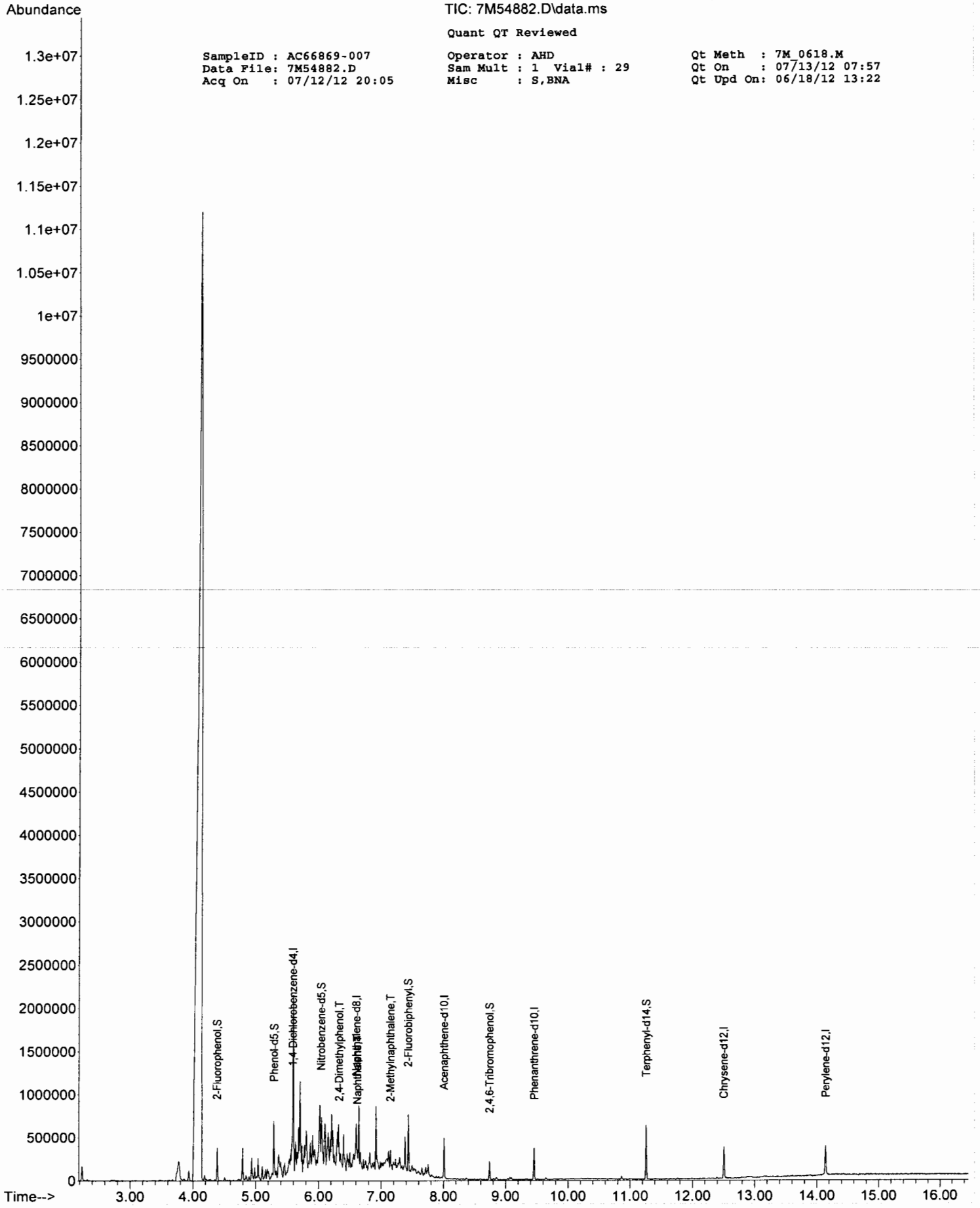
SampleID : AC66869-007 Operator : AHD Qt Meth : 7M_0618.M
Data File: 7M54882.D Sam Mult : 1 Vial# : 29 Qt On : 07/13/12 07:57
Acq On : 07/12/12 20:05 Misc : S,BNA Qt Upd On: 06/18/12 13:22

Data Path : G:\GcMsData\2012\GCMS_7\Data\07-12-12\
Qt Path : G:\GCMSDATA\2012\GCMS_7\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.590	152	39679	40.00	ng	-0.06
30) Naphthalene-d8	6.605	136	147864	40.00	ng	-0.08
48) Acenaphthene-d10	8.010	164	83090	40.00	ng	-0.12
75) Phenanthrene-d10	9.458	188	146990	40.00	ng	-0.11
89) Chrysene-d12	12.503	240	133092	40.00	ng	-0.10
101) Perylene-d12	14.143	264	129253	40.00	ng	-0.13
System Monitoring Compounds						
11) 2-Fluorophenol	4.388	112	78561	57.67	ng	-0.05
Spiked Amount 100.000			Recovery = 57.67%			
16) Phenol-d5	5.291	99	148020	82.19	ng	-0.05
Spiked Amount 100.000			Recovery = 82.19%			
31) Nitrobenzene-d5	6.044	128	34168	48.19	ng	-0.07
Spiked Amount 50.000			Recovery = 96.38%			
53) 2-Fluorobiphenyl	7.433	172	158125	51.00	ng	-0.11
Spiked Amount 50.000			Recovery = 102.00%			
78) 2,4,6-Tribromophenol	8.742	330	14563	41.16	ng	-0.12
Spiked Amount 100.000			Recovery = 41.16%			
92) Terphenyl-d14	11.258	244	167414	55.02	ng	-0.09
Spiked Amount 50.000			Recovery = 110.04%			
Target Compounds						Qvalue
35) 2,4-Dimethylphenol	6.333	107	4151	2.6722	ng	67
40) Naphthalene	6.621	128	33170	7.6079	ng	94
45) 2-Methylnaphthalene	7.150	142	41651	14.5885	ng	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Vg


Abundance
TIC: 7M54882.D\data.ms
Quant QT Reviewed
SampleID : AC66869-007
Data File: 7M54882.D
Acq On : 07/12/12 20:05
Operator : AHD
Sam Mult : 1 Vial# : 29
Misc : S,BNA
Qt Meth : 7M_0618.M
Qt On : 07/13/12 07:57
Qt Upd On: 06/18/12 13:22
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
2,4-Dimethylphenol,T
Naphthalene-d8,I
2-Methylnaphthalene,T
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC66869-008
Client Id: RI-B3-A (DUP)
Data File: 7M54908.D
Analysis Date: 07/13/12 17:29
Date Rec/Extracted: 07/02/12-07/11/12
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 91

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
122-66-7	1,2-Diphenylhydrazine	0.037	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.037**	**0.14**
95-95-4	2,4,5-Trichlorophenol	0.037	U	65-85-0	Benzoic Acid	0.18	U
88-06-2	2,4,6-Trichlorophenol	0.037	U	111-91-1	bis(2-Chloroethoxy)methan	0.037	U
120-83-2	2,4-Dichlorophenol	0.0092	U	111-44-4	bis(2-Chloroethyl)ether	0.0092	U
105-67-9	2,4-Dimethylphenol	0.037	U	108-60-1	bis(2-chloroisopropyl)ether	0.037	U
51-28-5	2,4-Dinitrophenol	0.18	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.037	U
121-14-2	2,4-Dinitrotoluene	0.037	U	85-68-7	Butylbenzylphthalate	0.037	U
606-20-2	2,6-Dinitrotoluene	0.037	U	86-74-8	Carbazole	0.037	U
91-58-7	2-Chloronaphthalene	0.037	U	**218-01-9**	**Chrysene**	**0.037**	**0.35**
95-57-8	2-Chlorophenol	0.037	U	**53-70-3**	**Dibenzo[a,h]anthracene**	**0.037**	**0.069**
91-57-6	2-Methylnaphthalene	0.037	U	132-64-9	Dibenzofuran	0.0092	U
95-48-7	2-Methylphenol	0.0092	U	84-66-2	Diethylphthalate	0.037	U
88-74-4	2-Nitroaniline	0.037	U	131-11-3	Dimethylphthalate	0.037	U
88-75-5	2-Nitrophenol	0.037	U	84-74-2	Di-n-butylphthalate	0.018	U
106-44-5	3&4-Methylphenol	0.0092	U	117-84-0	Di-n-octylphthalate	0.037	U
91-94-1	3,3'-Dichlorobenzidine	0.037	U	**206-44-0**	**Fluoranthene**	**0.037**	**0.60**
99-09-2	3-Nitroaniline	0.037	U	86-73-7	Fluorene	0.037	U
534-52-1	4,6-Dinitro-2-methylphenol	0.037	U	118-74-1	Hexachlorobenzene	0.037	U
101-55-3	4-Bromophenyl-phenylether	0.037	U	87-68-3	Hexachlorobutadiene	0.037	U
59-50-7	4-Chloro-3-methylphenol	0.037	U	77-47-4	Hexachlorocyclopentadiene	0.037	U
106-47-8	4-Chloroaniline	0.017	U	67-72-1	Hexachloroethane	0.037	U
7005-72-3	4-Chlorophenyl-phenylether	0.037	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.037**	**0.19**
100-01-6	4-Nitroaniline	0.037	U	78-59-1	Isophorone	0.037	U
100-02-7	4-Nitrophenol	0.037	U	91-20-3	Naphthalene	0.0092	U
83-32-9	Acenaphthene	0.037	U	98-95-3	Nitrobenzene	0.037	U
208-96-8	Acenaphthylene	0.037	U	62-75-9	N-Nitrosodimethylamine	0.037	U
62-53-3	Aniline	0.015	U	621-64-7	N-Nitroso-di-n-propylamine	0.0092	U
120-12-7	**Anthracene**	**0.037**	**0.099**	86-30-6	n-Nitrosodiphenylamine	0.037	U
92-87-5	Benzidine	0.037	U	87-86-5	Pentachlorophenol	0.18	U
56-55-3	**Benzo[a]anthracene**	**0.037**	**0.34**	**85-01-8**	**Phenanthrene**	**0.037**	**0.14**
50-32-8	**Benzo[a]pyrene**	**0.037**	**0.30**	108-95-2	Phenol	0.037	U
205-99-2	**Benzo[b]fluoranthene**	**0.037**	**0.38**	**129-00-0**	**Pyrene**	**0.037**	**0.70**
191-24-2	**Benzo[g,h,i]perylene**	**0.037**	**0.19**				

Worksheet #: 233774 ***Total Target Concentration*** 3.5 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration use

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Quantitation Report (QT Reviewed)

2070213 0144

SampleID : AC66869-008 Operator : AHD Qt Meth : 7M_0618.M
Data File: 7M54908.D Sam Mult : 1 Vial# : 23 Qt On : 07/15/12 09:13
Acq On : 07/13/12 17:29 Misc : S,BNA Qt Upd On: 06/18/12 13:22

Data Path : G:\GcMsData\2012\GCMS_7\Data\07-1312\
Qt Path : G:\GCMSDATA\2012\GCMS_7\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.569	152	50867	40.00	ng	-0.08
30) Naphthalene-d8	6.584	136	191882	40.00	ng	-0.10
48) Acenaphthene-d10	8.005	164	106470	40.00	ng	-0.12
75) Phenanthrene-d10	9.442	188	176629	40.00	ng	-0.13
89) Chrysene-d12	12.482	240	131022	40.00	ng	-0.12
101) Perylene-d12	14.170	264	116561	40.00	ng	-0.10
System Monitoring Compounds						
11) 2-Fluorophenol	4.377	112	175872	100.72	ng	-0.06
Spiked Amount 100.000			Recovery = 100.72%			
16) Phenol-d5	5.275	99	244255	105.80	ng	-0.07
Spiked Amount 100.000			Recovery = 105.80%			
31) Nitrobenzene-d5	6.023	128	47247	51.35	ng	-0.09
Spiked Amount 50.000			Recovery = 102.70%			
53) 2-Fluorobiphenyl	7.428	172	224943	56.62	ng	-0.12
Spiked Amount 50.000			Recovery = 113.24%			
78) 2,4,6-Tribromophenol	8.737	330	48714	114.59	ng	-0.12
Spiked Amount 100.000			Recovery = 114.59%			
92) Terphenyl-d14	11.232	244	215829	72.06	ng	-0.12
Spiked Amount 50.000			Recovery = 144.12%			
Target Compounds						Qvalue
84) Phenanthrene	9.463	178	39758	7.5621	ng	92
85) Anthracene	9.517	178	29234	5.3915	ng	97
88) Fluoranthene	10.788	202	185017	32.8581	ng	86
90) Pyrene	11.045	202	164962	38.0551	ng	79
98) Benzo[a]anthracene	12.471	228	75947	18.3585	ng	96
99) Chrysene	12.514	228	72064	19.3175	ng	94
103) Benzo[b]fluoranthene	13.742	252	78069m	20.6840	ng	
104) Benzo[k]fluoranthene	13.769	252	28396m	7.5364	ng	
105) Benzo[a]pyrene	14.106	252	58550	16.1439	ng	85
106) Indeno[1,2,3-cd]pyrene	15.409	276	39054	10.2094	ng	91
107) Dibenzo[a,h]anthracene	15.420	278	11726m	3.7892	ng	
108) Benzo[g,h,i]perylene	15.756	276	33338	10.4750	ng	77

(#) = qualifier out of range (m) = manual integration (+) = signals summed

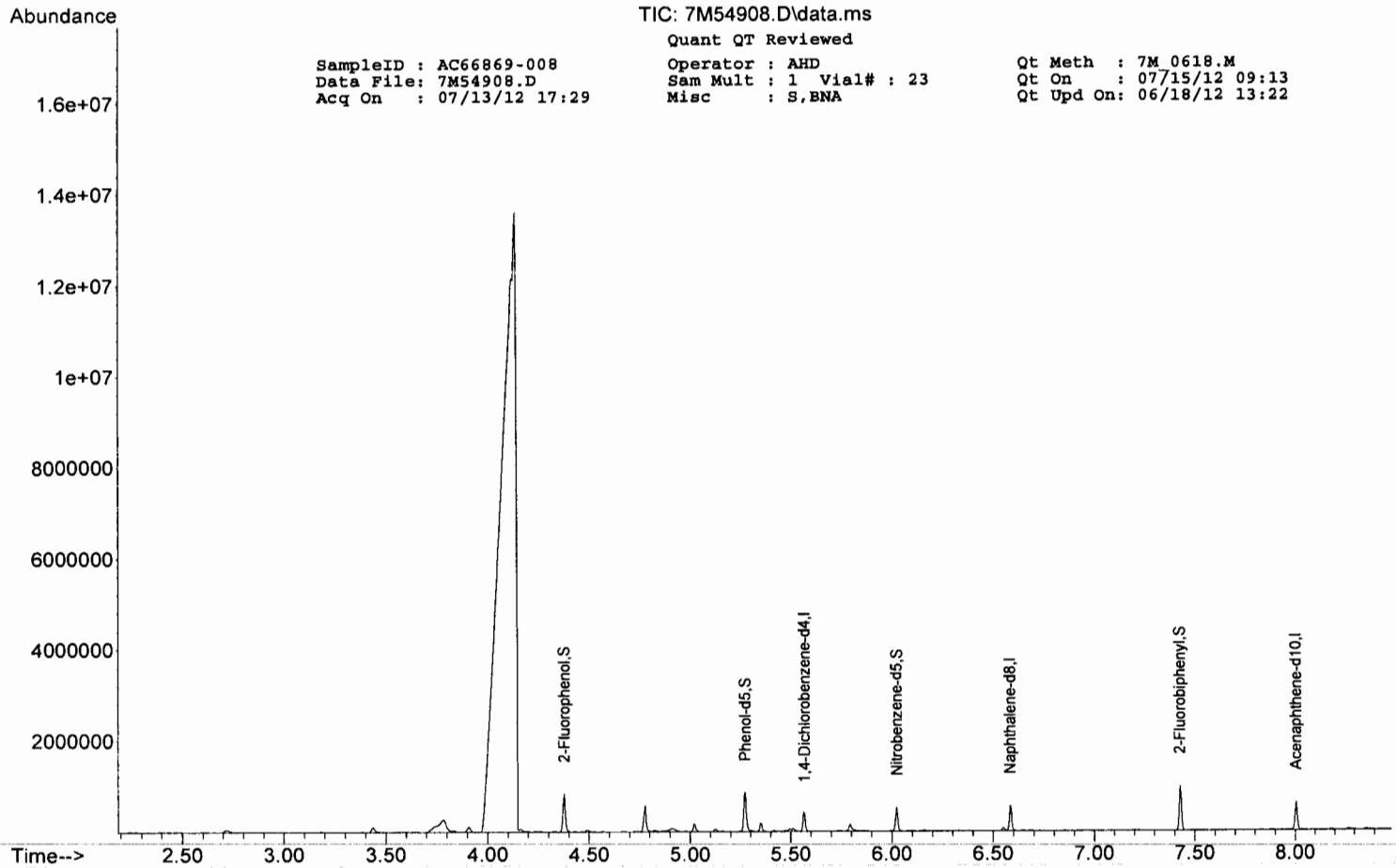
TIC: 7M54908.D\data.ms

Quant QT Reviewed

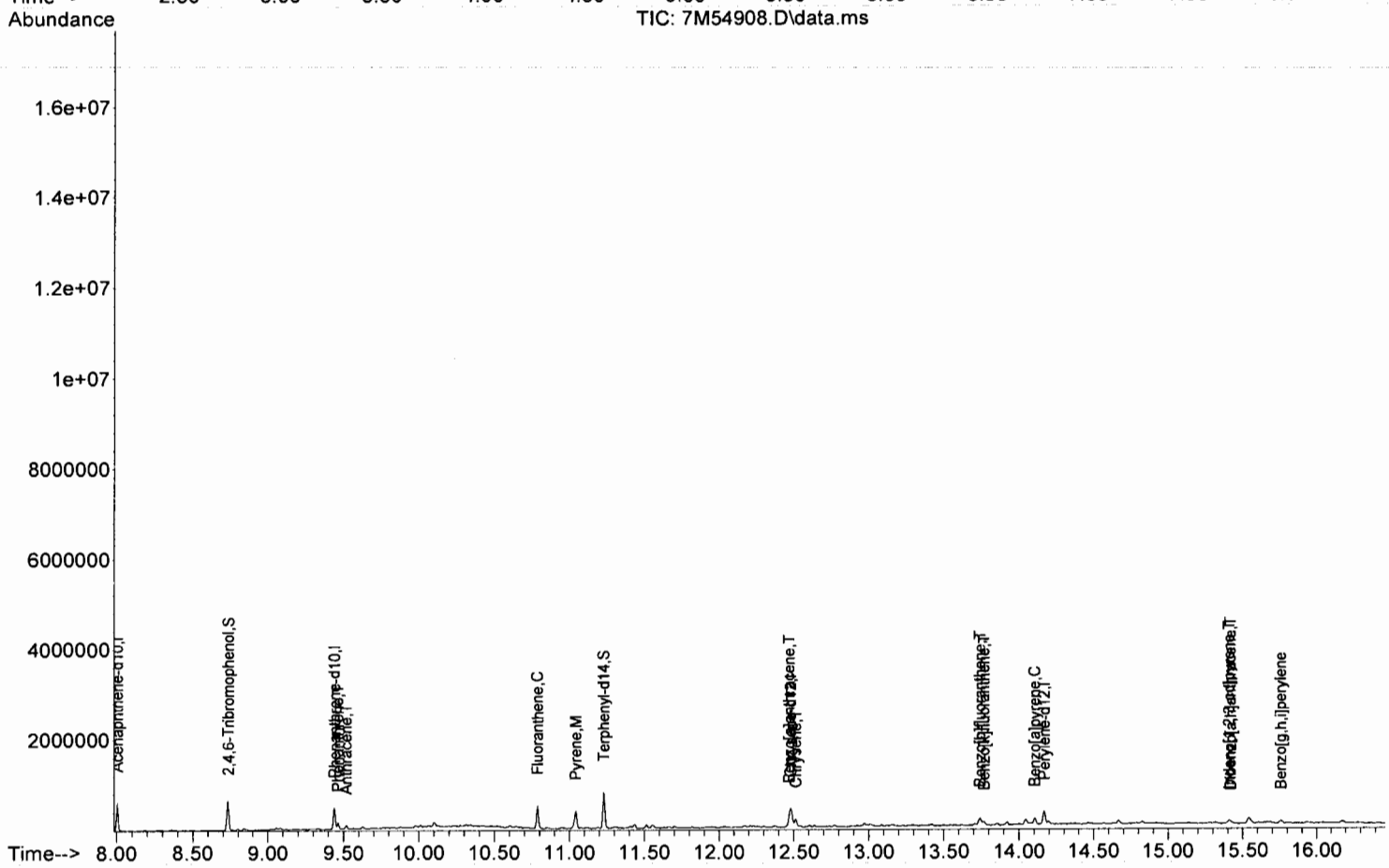
SampleID : AC66869-008
Data File: 7M54908.D
Acq On : 07/13/12 17:29

Operator : AHD
Sam Mult : 1 Vial# : 23
Misc : S,BNA

Qt Meth : 7M_0618.M
Qt On : 07/15/12 09:13
Qt Upd On: 06/18/12 13:22



TIC: 7M54908.D\data.ms



Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: SMB14801
Client Id:
Data File: 7M54856.D
Analysis Date: 07/12/12 09:56
Date Rec/Extracted: NA-07/11/12
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
122-66-7	1,2-Diphenylhydrazine	0.033	U	207-08-9	Benzo[k]fluoranthene	0.033	U
95-95-4	2,4,5-Trichlorophenol	0.033	U	65-85-0	Benzoic Acid	0.17	U
88-06-2	2,4,6-Trichlorophenol	0.033	U	111-91-1	bis(2-Chloroethoxy)methan	0.033	U
120-83-2	2,4-Dichlorophenol	0.0083	U	111-44-4	bis(2-Chloroethyl)ether	0.0083	U
105-67-9	2,4-Dimethylphenol	0.033	U	108-60-1	bis(2-chloroisopropyl)ether	0.033	U
51-28-5	2,4-Dinitrophenol	0.17	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.033	U
121-14-2	2,4-Dinitrotoluene	0.033	U	85-68-7	Butylbenzylphthalate	0.033	U
606-20-2	2,6-Dinitrotoluene	0.033	U	86-74-8	Carbazole	0.033	U
91-58-7	2-Chloronaphthalene	0.033	U	218-01-9	Chrysene	0.033	U
95-57-8	2-Chlorophenol	0.033	U	53-70-3	Dibenzo[a,h]anthracene	0.033	U
91-57-6	2-Methylnaphthalene	0.033	U	132-64-9	Dibenzofuran	0.0083	U
95-48-7	2-Methylphenol	0.0083	U	84-66-2	Diethylphthalate	0.033	U
88-74-4	2-Nitroaniline	0.033	U	131-11-3	Dimethylphthalate	0.033	U
88-75-5	2-Nitrophenol	0.033	U	84-74-2	Di-n-butylphthalate	0.017	U
106-44-5	3&4-Methylphenol	0.0083	U	117-84-0	Di-n-octylphthalate	0.033	U
91-94-1	3,3'-Dichlorobenzidine	0.033	U	206-44-0	Fluoranthene	0.033	U
99-09-2	3-Nitroaniline	0.033	U	86-73-7	Fluorene	0.033	U
534-52-1	4,6-Dinitro-2-methylphenol	0.033	U	118-74-1	Hexachlorobenzene	0.033	U
101-55-3	4-Bromophenyl-phenylether	0.033	U	87-68-3	Hexachlorobutadiene	0.033	U
59-50-7	4-Chloro-3-methylphenol	0.033	U	77-47-4	Hexachlorocyclopentadiene	0.033	U
106-47-8	4-Chloroaniline	0.016	U	67-72-1	Hexachloroethane	0.033	U
7005-72-3	4-Chlorophenyl-phenylether	0.033	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.033	U
100-01-6	4-Nitroaniline	0.033	U	78-59-1	Isophorone	0.033	U
100-02-7	4-Nitrophenol	0.033	U	91-20-3	Naphthalene	0.0083	U
83-32-9	Acenaphthene	0.033	U	98-95-3	Nitrobenzene	0.033	U
208-96-8	Acenaphthylene	0.033	U	62-75-9	N-Nitrosodimethylamine	0.033	U
62-53-3	Aniline	0.014	U	621-64-7	N-Nitroso-di-n-propylamine	0.0083	U
120-12-7	Anthracene	0.033	U	86-30-6	n-Nitrosodiphenylamine	0.033	U
92-87-5	Benzidine	0.033	U	87-86-5	Pentachlorophenol	0.17	U
56-55-3	Benzo[a]anthracene	0.033	U	85-01-8	Phenanthrene	0.033	U
50-32-8	Benzo[a]pyrene	0.033	U	108-95-2	Phenol	0.033	U
205-99-2	Benzo[b]fluoranthene	0.033	U	129-00-0	Pyrene	0.033	U
191-24-2	Benzo[g,h,i]perylene	0.033	U				

Worksheet #: 233774 ***Total Target Concentration*** 0 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Quantitation Report (QT/LSC Reviewed)

SampleID : SMB14801 Operator : AHD Qt Meth : 7M_0618.M
Data File: 7M54856.D Sam Mult : 1 Vial# : 3 Qt On : 07/12/12 10:22
Acq On : 07/12/12 09:56 Misc : S,BNA Qt Upd On: 06/18/12 13:22

Data Path : G:\GcMsData\2012\GCMS_7\Data\07-12-12\
Qt Path : G:\GCMSDATA\2012\GCMS_7\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.585	152	42360	40.00	ng	-0.07
30) Naphthalene-d8	6.616	136	158482	40.00	ng	-0.07
48) Acenaphthene-d10	8.042	164	95320	40.00	ng	-0.08
75) Phenanthrene-d10	9.479	188	177993	40.00	ng	-0.09
89) Chrysene-d12	12.525	240	170738	40.00	ng	-0.08
101) Perylene-d12	14.218	264	150527	40.00	ng	-0.05
System Monitoring Compounds						
11) 2-Fluorophenol	4.388	112	152836	105.10	ng	-0.05
Spiked Amount 100.000			Recovery = 105.10%			
16) Phenol-d5	5.286	99	205615	106.94	ng	-0.06
Spiked Amount 100.000			Recovery = 106.94%			
31) Nitrobenzene-d5	6.044	128	39495	51.97	ng	-0.07
Spiked Amount 50.000			Recovery = 103.94%			
53) 2-Fluorobiphenyl	7.465	172	191382	53.81	ng	-0.08
Spiked Amount 50.000			Recovery = 107.62%			
78) 2,4,6-Tribromophenol	8.774	330	43966	102.63	ng	-0.08
Spiked Amount 100.000			Recovery = 102.63%			
92) Terphenyl-d14	11.269	244	218317	55.93	ng	-0.08
Spiked Amount 50.000			Recovery = 111.86%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Va

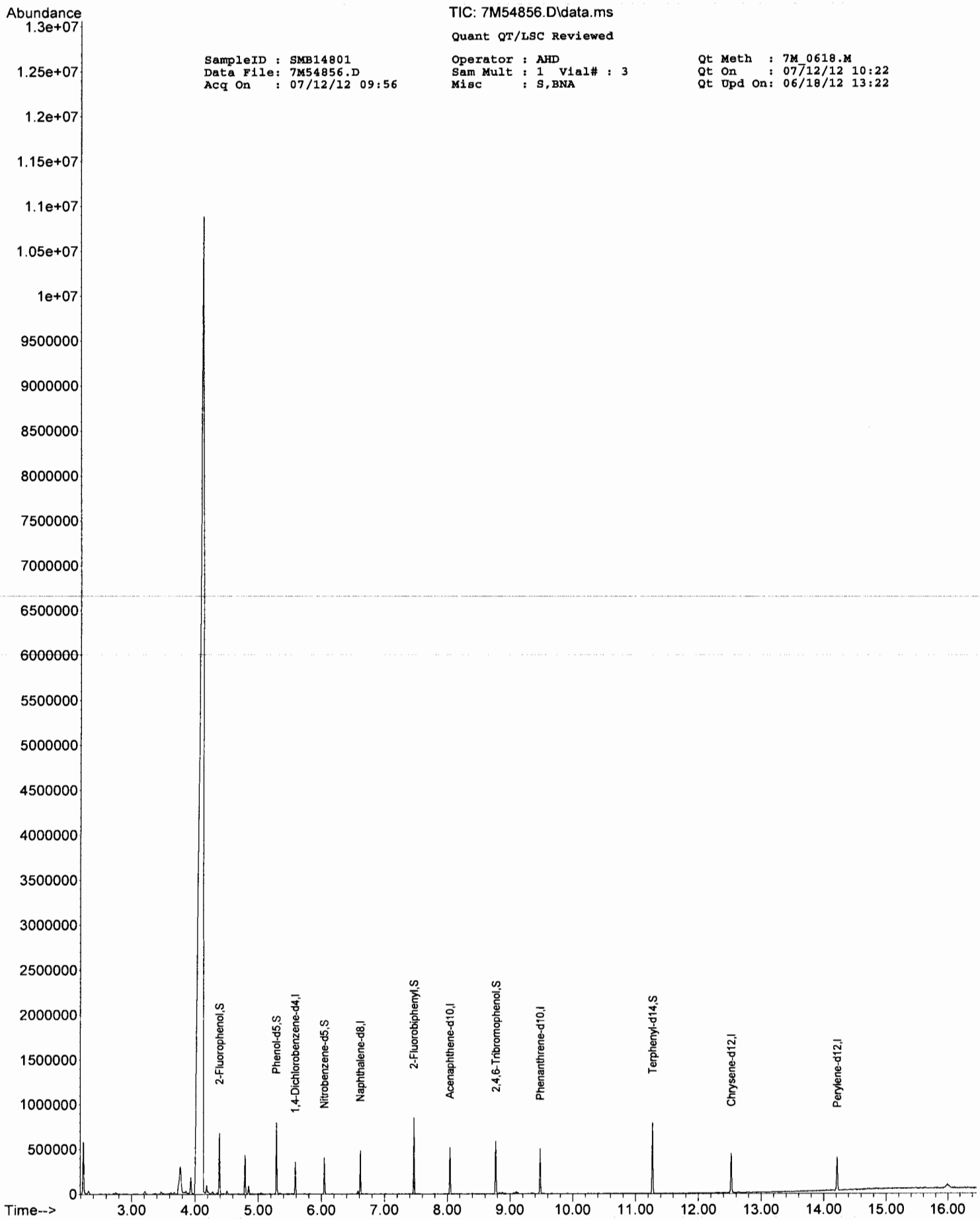
TIC: 7M54856.D\data.ms

Quant QT/LSC Reviewed

SampleID : SMB14801
Data File: 7M54856.D
Acq On : 07/12/12 09:56

Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : S,BNA

Qt Meth : 7M_0618.M
Qt On : 07/12/12 10:22
Qt Upd On: 06/18/12 13:22



FORM2

Surrogate Recovery

Method: EPA 8270C

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column1 S5 Recov	Column1 S6 Recov
7M54856.D	SMB14801	Soil	07/12/12 09:56	1		105	107	104	108	103	112
7M54876.D	AC66869-001	Soil	07/12/12 17:43	1		94	97	95	99	114	126
7M54877.D	AC66869-002	Soil	07/12/12 18:07	1		105	106	95	104	120	132
7M54878.D	AC66869-003	Soil	07/12/12 18:30	1		88	97	95	104	119	133
7M54879.D	AC66869-004	Soil	07/12/12 18:54	1		61	90	100	95	48*	124
7M54880.D	AC66869-005	Soil	07/12/12 19:18	1		86	91	85	95	93	114
7M54881.D	AC66869-006	Soil	07/12/12 19:42	2		86	90	87	86	94	111
7M54882.D	AC66869-007	Soil	07/12/12 20:05	1		58	82	96	102	41*	110
7M54908.D	AC66869-008	Soil	07/13/12 17:29	1		101	106	103	113	115	144
7M54857.D	SMB14801(M	Soil	07/12/12 10:19	1		104	109	110	111	113	125
7M54860.D	AC66981-003	Soil	07/12/12 11:28	1		94	98	92	90	84	96
7M54861.D	AC66981-003(	Soil	07/12/12 11:51	1		85	87	89	87	90	105
7M54862.D	AC66981-003(	Soil	07/12/12 12:14	1		102	110	100	111	120	127

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: EPA 8270C

Soil Limits

Compound	Spike Amt	Limits
S1=2-Fluorophenol	100	43-128
S2=Phenol-d5	100	49-129
S3=Nitrobenzene-d5	50	52-129
S4=2-Fluorobiphenyl	50	58-125
S5=2,4,6-Tribromophenol	100	54-145
S6=Terphenyl-d14	50	58-148

Form3
Recovery Data
QC Batch: SMB14801

	Data File	Sample ID:	Analysis Date
Spike or Dup:	7M54857.D	SMB14801(MS)	7/12/2012 10:19:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8270 Matrix: Soil QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Phenol	1	93.1637	0	100	93	20	130
2-Chlorophenol	1	99.6149	0	100	100	50	130
1,4-Dichlorobenzene	1	46.6624	0	50	93	50	130
2-Methylphenol	1	95.322	0	100	95	50	130
N-Nitroso-di-n-propylamine	1	43.9848	0	50	88	20	130
2,4-Dimethylphenol	1	111.3837	0	100	111	50	130
1,2,4-Trichlorobenzene	1	45.4135	0	50	91	50	130
Naphthalene	1	48.9224	0	50	98	50	130
4-Chloro-3-methylphenol	1	108.073	0	100	108	50	130
Acenaphthene	1	49.1507	0	50	98	50	130
2,4-Dinitrotoluene	1	56.515	0	50	113	50	130
4-Nitrophenol	1	102.5243	0	100	103	20	130
Fluorene	1	51.8395	0	50	104	50	130
Pentachlorophenol	1	85.6671	0	100	86	40	130
Pyrene	1	56.0779	0	50	112	50	130
Butylbenzylphthalate	1	52.7767	0	50	106	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: SMB14801

	Data File	Sample ID:	Analysis Date
Spike or Dup:	7M54861.D	AC66981-003(MS)	7/12/2012 11:51:00 AM
Non Spike(If applicable):	7M54860.D	AC66981-003	7/12/2012 11:28:00 AM
Inst Blank(If applicable):			

Method: 8270 Matrix: Soil QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Phenol	1	76.8195	0	100	77	20	130
2-Chlorophenol	1	79.0061	0	100	79	50	130
1,4-Dichlorobenzene	1	38.2754	0	50	77	50	130
2-Methylphenol	1	77.8401	0	100	78	50	130
N-Nitroso-di-n-propylamine	1	36.4347	0	50	73	20	130
2,4-Dimethylphenol	1	81.2592	0	100	81	50	130
1,2,4-Trichlorobenzene	1	35.5541	0	50	71	50	130
Naphthalene	1	39.0119	0	50	78	50	130
4-Chloro-3-methylphenol	1	85.2771	0	100	85	50	130
Acenaphthene	1	39.31	0	50	79	50	130
2,4-Dinitrotoluene	1	41.5423	0	50	83	50	130
4-Nitrophenol	1	77.2353	0	100	77	20	130
Fluorene	1	40.4369	0	50	81	50	130
Pentachlorophenol	1	63.7278	0	100	64	40	130
Pyrene	1	46.5772	0	50	93	50	130
Butylbenzylphthalate	1	43.9184	0	50	88	50	130

	Data File	Sample ID:	Analysis Date
Spike or Dup:	7M54862.D	AC66981-003(MSD)	7/12/2012 12:14:00 PM
Non Spike(If applicable):	7M54860.D	AC66981-003	7/12/2012 11:28:00 AM
Inst Blank(If applicable):			

Method: 8270 Matrix: Soil QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Phenol	1	88.7306	0	100	89	20	130
2-Chlorophenol	1	94.2811	0	100	94	50	130
1,4-Dichlorobenzene	1	42.9431	0	50	86	50	130
2-Methylphenol	1	89.7708	0	100	90	50	130
N-Nitroso-di-n-propylamine	1	45.3676	0	50	91	20	130
2,4-Dimethylphenol	1	73.964	0	100	74	50	130
1,2,4-Trichlorobenzene	1	44.3689	0	50	89	50	130
Naphthalene	1	45.2852	0	50	91	50	130
4-Chloro-3-methylphenol	1	105.3108	0	100	105	50	130
Acenaphthene	1	47.7515	0	50	96	50	130
2,4-Dinitrotoluene	1	51.4971	0	50	103	50	130
4-Nitrophenol	1	98.0235	0	100	98	20	130
Fluorene	1	49.5717	0	50	99	50	130
Pentachlorophenol	1	76.3352	0	100	76	40	130
Pyrene	1	56.854	0	50	114	50	130
Butylbenzylphthalate	1	54.5682	0	50	109	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
RPD DATA
QC Batch: SMB14801

	Data File	Sample ID:	Analysis Date
Spike or Dup:	7M54862.D	AC66981-003(MSD)	7/12/2012 12:14:00 PM
Duplicate(If applicable):	7M54861.D	AC66981-003(MS)	7/12/2012 11:51:00 AM
Inst Blank(If applicable):			

Method: 8270 Matrix: Soil QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Phenol	1	88.7306	76.8195	14	40
2-Chlorophenol	1	94.2811	79.0061	18	40
1,4-Dichlorobenzene	1	42.9431	38.2754	11	40
2-Methylphenol	1	89.7708	77.8401	14	40
N-Nitroso-di-n-propylamine	1	45.3676	36.4347	22	40
2,4-Dimethylphenol	1	73.964	81.2592	9.4	40
1,2,4-Trichlorobenzene	1	44.3689	35.5541	22	40
Naphthalene	1	45.2852	39.0119	15	40
4-Chloro-3-methylphenol	1	105.3108	85.2771	21	40
Acenaphthene	1	47.7515	39.31	19	40
2,4-Dinitrotoluene	1	51.4971	41.5423	21	40
4-Nitrophenol	1	98.0235	77.2353	24	40
Fluorene	1	49.5717	40.4369	20	40
Pentachlorophenol	1	76.3352	63.7278	18	40
Pyrene	1	56.854	46.5772	20	40
Butylbenzylphthalate	1	54.5682	43.9184	22	40

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

FORM 4
Blank Summary

Blank Number: SMB14801
Blank Data File: 7M54856.D
Matrix: Soil

Blank Analysis Date: 07/12/12 09:56
Blank Extraction Date: 07/11/12
(If Applicable)
Method: EPA 8270C

Sample Number	Data File	Analysis Date
AC66869-001	7M54876.D	07/12/12 17:43
AC66869-002	7M54877.D	07/12/12 18:07
AC66869-003	7M54878.D	07/12/12 18:30
AC66869-004	7M54879.D	07/12/12 18:54
AC66869-005	7M54880.D	07/12/12 19:18
AC66869-006	7M54881.D	07/12/12 19:42
AC66869-007	7M54882.D	07/12/12 20:05
AC66869-008	7M54908.D	07/13/12 17:29
AC66981-003(MSD	7M54862.D	07/12/12 12:14
AC66981-003(MS)	7M54861.D	07/12/12 11:51
AC66981-003	7M54860.D	07/12/12 11:28
SMB14801(MS)	7M54857.D	07/12/12 10:19

Form 5

Tune Name: CALDFTPP
Instrument: GCMS 7

Data File: 7M54353.D
Analysis Date: 06/18/12 09:16
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.852 to 9.862 min

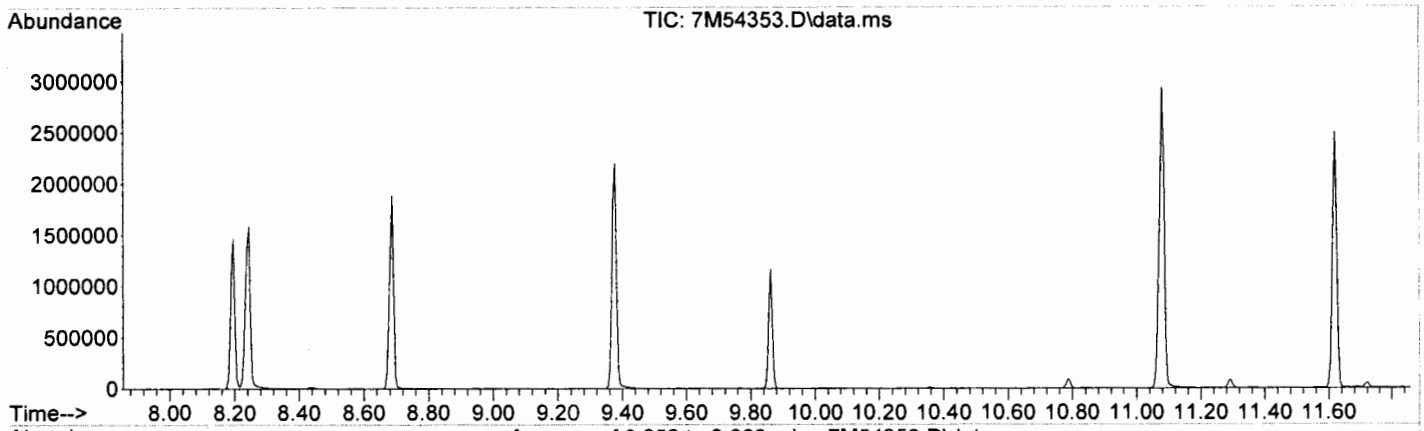
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	51.1	41784	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	52.9	43304	PASS
70	69	0.00	2	0.4	158	PASS
127	198	40	60	55.7	45558	PASS
197	198	0.00	1	0.3	216	PASS
198	198	100	100	100.0	81835	PASS
199	198	5	9	7.2	5915	PASS
275	198	10	30	22.8	18641	PASS
365	198	1	100	2.3	1878	PASS
441	443	0.01	100	5.2	366	PASS
442	198	40	100	43.2	35376	PASS
443	442	17	23	19.8	6992	PASS

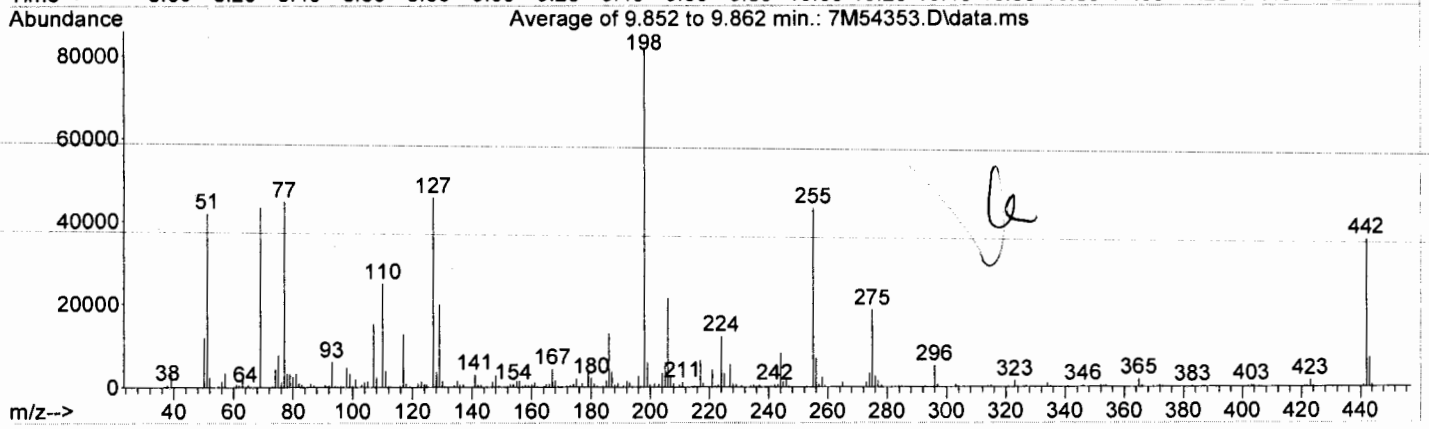
Data File	Sample Number	Analysis Date:
7M54354.D	CALBNA@50PPM	06/18/12 09:40
7M54355.D	CALBNA@196PP	06/18/12 10:03
7M54356.D	CALBNA@160PP	06/18/12 10:26
7M54357.D	CALBNA@120PP	06/18/12 10:49
7M54358.D	CALBNA@2PPM	06/18/12 11:12
7M54359.D	CALBNA@10PPM	06/18/12 11:35
7M54360.D	CALBNA@20PPM	06/18/12 11:58
7M54361.D	CALBNA@.5PPM	06/18/12 12:21
7M54362.D	CALBNA@80PPM	06/18/12 12:45
7M54363.D	CALBNA@50PPM	06/18/12 13:08
7M54364.D	ICVBNA@50PPM	06/18/12 13:31

Data Path : G:\GcMsData\2012\GCMS_7\Data\06-18-12\
Data File : 7M54353.D
Acq On : 18 Jun 2012 9:16
Operator : AHD
Sample : CALDFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2012\GCMS_7\METHODQT\7M_0618.M
Title : @GCMS_7,mg,625,8270
Last Update : Mon Jun 18 13:14:39 2012





Spectrum Information: Average of 9.852 to 9.862 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	51.1	41784	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	52.9	43304	PASS
70	69	0.00	2	0.4	158	PASS
127	198	40	60	55.7	45558	PASS
197	198	0.00	1	0.3	216	PASS
198	198	100	100	100.0	81835	PASS
199	198	5	9	7.2	5915	PASS
275	198	10	30	22.8	18641	PASS
365	198	1	100	2.3	1878	PASS
441	443	0.01	100	5.2	366	PASS
442	198	40	100	43.2	35376	PASS
443	442	17	23	19.8	6992	PASS

Form 5

Tune Name: CALDFTPP **Data File:** 7M54853.D
Instrument: GCMS 7 **Analysis Date:** 07/12/12 08:22
Method: EPA 8270C
Tune Scan/Time Range: Average of 9.773 to 9.789 min

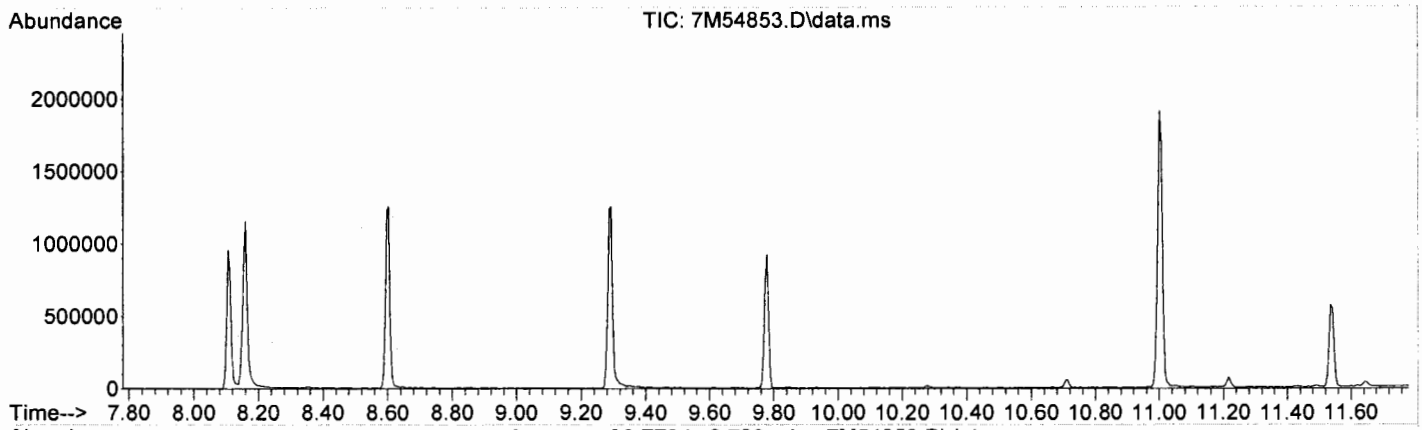
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	45.4	25972	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	47.6	27229	PASS
70	69	0.00	2	0.8	226	PASS
127	198	40	60	53.2	30408	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	57197	PASS
199	198	5	9	7.6	4360	PASS
275	198	10	30	27.3	15606	PASS
365	198	1	100	2.9	1635	PASS
441	443	0.01	100	46.9	3570	PASS
442	198	40	100	64.0	36608	PASS
443	442	17	23	20.8	7603	PASS

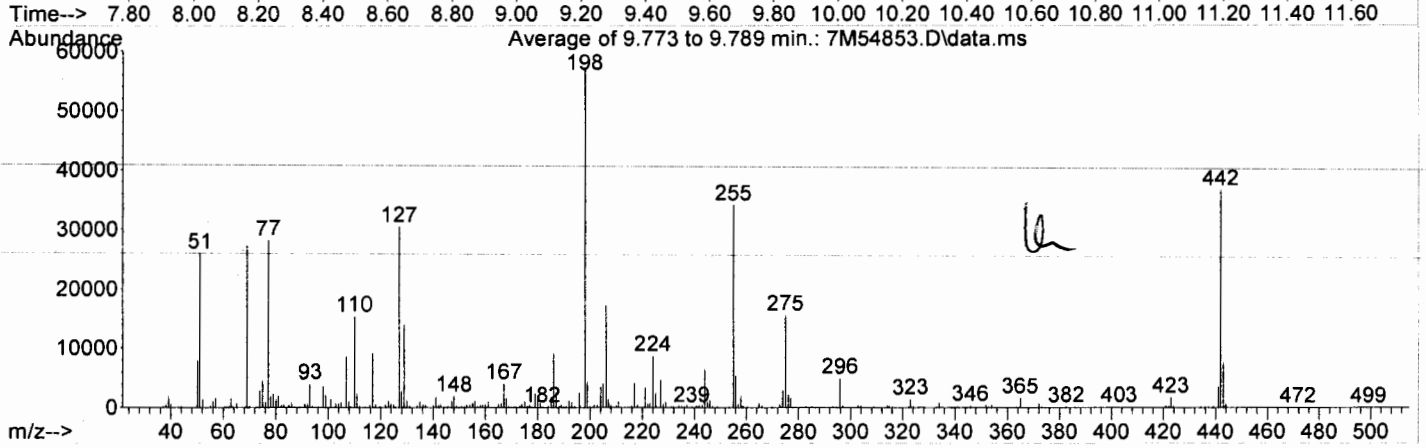
Data File	Sample Number	Analysis Date:
7M54854.D	BNA@50PPM	07/12/12 09:01
7M54855.D	CALBNA@50PPM	07/12/12 09:32
7M54856.D	SMB14801	07/12/12 09:56
7M54857.D	SMB14801(MS)	07/12/12 10:19
7M54858.D	AC66934-001	07/12/12 10:42
7M54859.D	AC66934-002	07/12/12 11:05
7M54860.D	AC66981-003	07/12/12 11:28
7M54861.D	AC66981-003(MS)	07/12/12 11:51
7M54862.D	AC66981-003(MSD	07/12/12 12:14
7M54863.D	AC66981-002	07/12/12 12:37
7M54864.D	AC66981-004	07/12/12 13:00
7M54865.D	AC66981-005	07/12/12 13:24
7M54866.D	AC66981-006	07/12/12 13:47
7M54867.D	AC66856-008	07/12/12 14:10
7M54868.D	AC66856-009	07/12/12 14:34
7M54869.D	AC66854-001	07/12/12 14:57
7M54870.D	AC66854-002	07/12/12 15:21
7M54871.D	AC66934-003	07/12/12 15:44
7M54872.D	SMB14814(MS)	07/12/12 16:08
7M54873.D	SMB14814	07/12/12 16:32
7M54874.D	AC66981-005(R)	07/12/12 16:55
7M54875.D	AC66854-003	07/12/12 17:19
7M54876.D	AC66869-001	07/12/12 17:43
7M54877.D	AC66869-002	07/12/12 18:07
7M54878.D	AC66869-003	07/12/12 18:30
7M54879.D	AC66869-004	07/12/12 18:54
7M54880.D	AC66869-005	07/12/12 19:18
7M54881.D	AC66869-006	07/12/12 19:42
7M54882.D	AC66869-007	07/12/12 20:05
7M54883.D	AC66869-008	07/12/12 20:29

Data Path : G:\GcMsData\2012\GCMS_7\Data\07-12-12\
Data File : 7M54853.D
Acq On : 12 Jul 2012 8:22
Operator : AHD
Sample : CALDFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2012\GCMS_7\METHODQT\7M_0618.M
Title : @GCMS_7,mg,625,8270
Last Update : Mon Jun 18 13:14:39 2012





Spectrum Information: Average of 9.773 to 9.789 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	45.4	25972	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	47.6	27229	PASS
70	69	0.00	2	0.8	226	PASS
127	198	40	60	53.2	30408	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	57197	PASS
199	198	5	9	7.6	4360	PASS
275	198	10	30	27.3	15606	PASS
365	198	1	100	2.9	1635	PASS
441	443	0.01	100	46.9	3570	PASS
442	198	40	100	64.0	36608	PASS
443	442	17	23	20.8	7603	PASS

Form 5

Tune Name: CALDFTPP
Instrument: GCMS 7

Data File: 7M54904.D
Analysis Date: 07/13/12 15:53
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.736 to 9.752 min

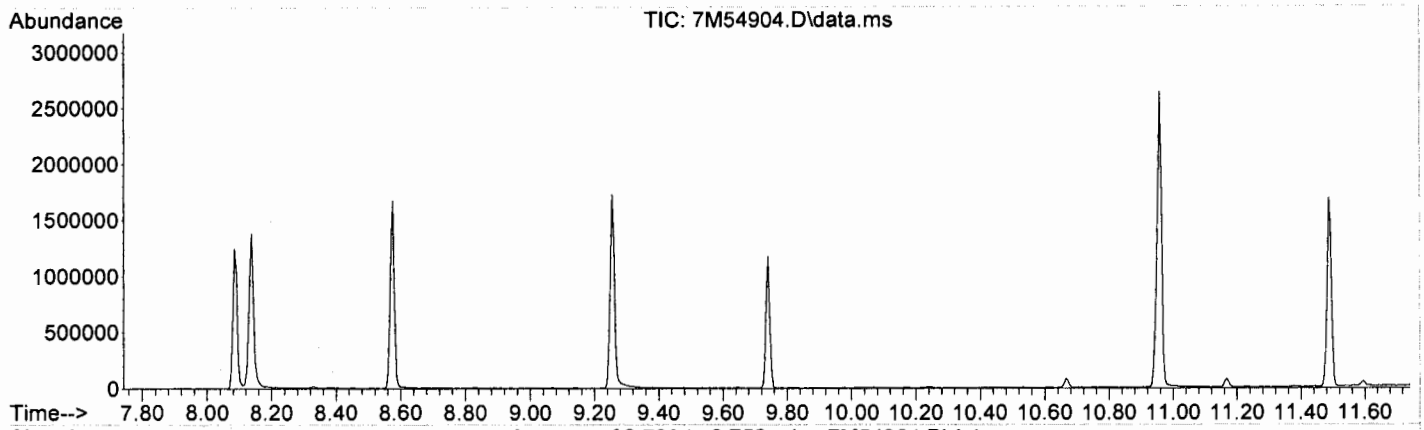
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	45.4	33122	PASS
68	69	0.00	2	0.5	156	PASS
69	198	0.00	100	46.8	34161	PASS
70	69	0.00	2	0.6	217	PASS
127	198	40	60	51.0	37201	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	72953	PASS
199	198	5	9	7.3	5342	PASS
275	198	10	30	23.9	17413	PASS
365	198	1	100	2.6	1894	PASS
441	443	0.01	100	63.6	5113	PASS
442	198	40	100	60.7	44294	PASS
443	442	17	23	18.1	8036	PASS

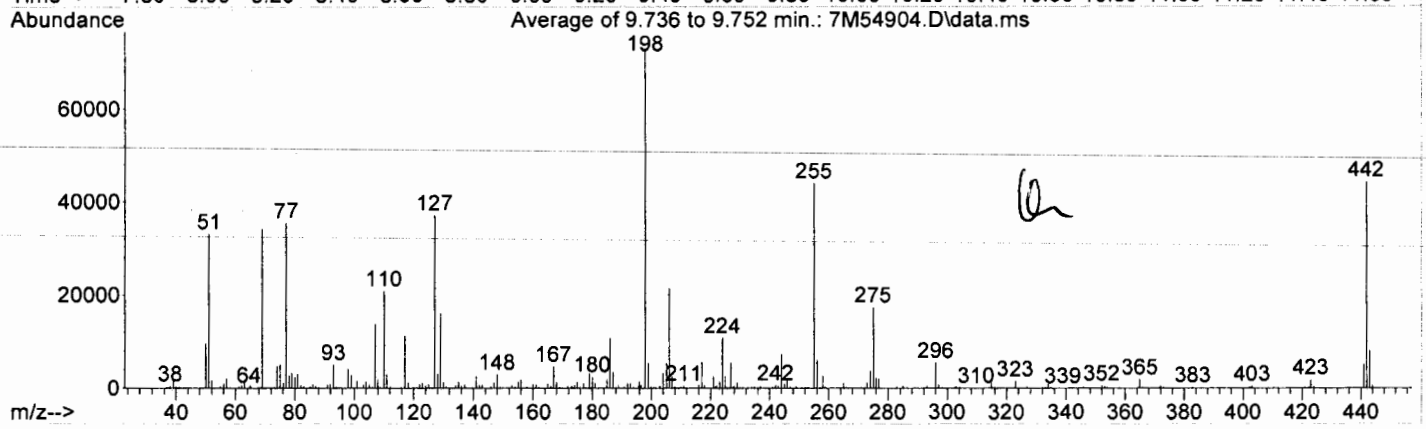
Data File	Sample Number	Analysis Date:
7M54905.D	CALBNA@50PPM	07/13/12 16:16
7M54906.D	AC67014-002	07/13/12 16:42
7M54907.D	AC67014-001	07/13/12 17:05
7M54908.D	AC66869-008	07/13/12 17:29
7M54909.D	AC66841-001	07/13/12 17:53
7M54910.D	AC66841-012	07/13/12 18:16
7M54911.D	AC66841-015(2X)(	07/13/12 18:40
7M54912.D	AC66838-001	07/13/12 19:03
7M54913.D	AC66863-002	07/13/12 19:27
7M54914.D	AC66859-001(2X)	07/13/12 19:50
7M54915.D	AC66859-002(20X)	07/13/12 20:14
7M54916.D	AC66859-003(2X)	07/13/12 20:37
7M54917.D	AC66859-004(3X)	07/13/12 21:01
7M54918.D	AC66859-005(5X)	07/13/12 21:24
7M54919.D	AC66859-006(20X)	07/13/12 21:47
7M54920.D	AC66859-007(3X)	07/13/12 22:10

Data Path : G:\GcMsData\2012\GCMS_7\Data\07-1312\
Data File : 7M54904.D
Acq On : 13 Jul 2012 15:53
Operator : AHD
Sample : CALDFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2012\GCMS_7\METHODQT\7M_0618.M
Title : @GCMS_7,mg,625,8270
Last Update : Mon Jun 18 13:14:39 2012





Spectrum Information: Average of 9.736 to 9.752 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	45.4	33122	PASS
68	69	0.00	2	0.5	156	PASS
69	198	0.00	100	46.8	34161	PASS
70	69	0.00	2	0.6	217	PASS
127	198	40	60	51.0	37201	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	72953	PASS
199	198	5	9	7.3	5342	PASS
275	198	10	30	23.9	17413	PASS
365	198	1	100	2.6	1894	PASS
441	443	0.01	100	63.6	5113	PASS
442	198	40	100	60.7	44294	PASS
443	442	17	23	18.1	8036	PASS

Method: EPA 8270C

Initial Calibration

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	7M54354.	CALBNA@50PPM	06/18/12 09:40	2	7M54358.	CALBNA@2PPM	06/18/12 11:12
3	7M54359.	CALBNA@10PPM	06/18/12 11:35	4	7M54360.	CALBNA@20PPM	06/18/12 11:58
5	7M54362.	CALBNA@80PPM	06/18/12 12:45	6	7M54357.	CALBNA@120PPM	06/18/12 10:49
7	7M54356.	CALBNA@160PPM	06/18/12 10:26	8	7M54355.	CALBNA@196PPM	06/18/12 10:03
9	7M54361.	CALBNA@.5PPM	06/18/12 12:21				

mpound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
l-Dioxane	1	0	Avg	0.5657	0.7963	0.6437	0.6143	0.5835	0.6365	0.5898	0.6018	-----	0.629	2.37	0.998	0.998	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pyridine	1	0	Avg	1.4981	1.2116	1.4267	1.3390	1.5033	1.6001	1.5279	1.5364	-----	1.46	2.80	0.999	0.999	8.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitrosodimethylamin	1	0	Avg	0.8588	0.7231	0.8831	0.7880	0.8406	0.8799	0.8737	0.8699	-----	0.840	2.74	1.00	1.00	6.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorophenol	1	0	Avg	1.3826	1.4703	1.3115	1.1651	1.3578	1.4617	1.4231	1.4129	-----	1.37	4.44	0.999	0.999	7.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzaldehyde	1	0	Qua	0.8336	0.8633	0.8303	0.7796	0.6837	0.4255	0.1481	-----	-----	0.652	5.28	0.329	0.992	41		50.00	2.00	10.00	20.00	80.00	120.0	160.0		
Aniline	1	0	Avg	2.1795	2.3483	2.1142	2.1016	2.0783	2.0972	1.8140	1.8624	1.4491	2.00	5.38	0.993	0.997	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Pentachloroethane	1	0	Avg	0.5229	0.5173	0.5143	0.4769	0.5168	0.5558	0.5290	0.5232	-----	0.520	5.41	0.999	0.999	4.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethyl)ether	1	0	Avg	1.3743	1.2041	1.3212	1.4217	1.3146	1.4509	1.3940	1.4085	1.4808	1.37	5.43	0.999	0.999	6.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Phenol-d5	1	0	Avg	1.8986	1.6841	1.7848	1.6355	1.7847	1.9409	1.8927	1.9026	-----	1.82	5.34	0.999	0.999	6.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol	1	0	Avg	1.9207	1.9752	1.9333	1.8193	1.8530	2.0119	1.9651	2.0000	-----	1.93	5.35	0.999	0.999	3.5	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Chlorophenol	1	0	Avg	1.5501	1.4246	1.3917	1.3922	1.4782	1.6116	1.5185	1.5355	-----	1.49	5.47	0.999	0.999	5.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Decane	1	0	Avg	1.5698	1.6912	1.4750	1.4821	1.5016	1.5977	1.5726	1.5706	-----	1.56	5.52	1.00	1.00	4.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.3-Dichlorobenzene	1	0	Avg	1.6041	1.7081	1.5844	1.5293	1.5319	1.6828	1.6208	1.6112	-----	1.61	5.60	0.999	0.999	4.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.4-Dichlorobenzene	1	0	Avg	1.6323	1.8305	1.6132	1.6145	1.5642	1.7230	1.6620	1.6490	-----	1.66	5.67	0.999	0.999	5.0	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2-Dichlorobenzene	1	0	Avg	1.5244	1.5914	1.5541	1.5248	1.4707	1.5922	1.5798	1.5629	-----	1.55	5.79	0.999	0.999	2.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzyl alcohol	1	0	Avg	0.9591	0.7214	0.8910	0.8847	0.9333	0.9837	0.9751	0.9900	-----	0.917	5.78	1.00	1.00	9.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-chloroisopropyl)et	1	0	Avg	1.7062	1.8935	1.7591	1.6789	1.7080	1.7737	1.7295	1.7484	-----	1.75	5.88	1.00	1.00	3.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylphenol	1	0	LinF	1.4072	1.6131	1.2776	1.3054	1.3387	1.4317	1.3958	1.4202	2.1074	1.48	5.87	0.999	1.00	17		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Acetophenone	1	0	Avg	2.1594	2.1411	2.0229	2.0843	2.0977	2.2330	2.2585	2.2488	-----	2.16	5.99	0.999	1.00	4.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachloroethane	1	0	Avg	0.6553	0.7293	0.6913	0.6302	0.6481	0.6884	0.6849	0.6835	-----	0.676	6.07	1.00	1.00	4.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitroso-di-n-propylan	1	0	Avg	1.1699	1.2702	1.0936	1.0694	1.1333	1.2310	1.1951	1.2398	1.5759	1.22	5.99	0.999	0.999	12	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
3&4-Methylphenol	1	0	Avg	1.5014	1.2817	1.4671	1.4448	1.4733	1.5604	1.5731	1.5876	2.0869	1.55	5.99	0.999	1.00	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Nitrobenzene-d5	1	0	Avg	0.1926	0.1869	0.1874	0.1797	0.1974	0.1979	0.1934	0.1988	-----	0.192	6.11	1.00	1.00	3.5		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
Nitrobenzene	1	0	Avg	0.4538	0.3641	0.4623	0.4136	0.4306	0.4438	0.4363	0.4422	-----	0.431	6.13	1.00	1.00	7.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Isophorone	1	0	Avg	0.7611	0.8237	0.7390	0.7065	0.7299	0.7420	0.7407	0.7484	-----	0.749	6.32	1.00	1.00	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitrophenol	1	0	Avg	0.2338	0.1852	0.2124	0.2128	0.2205	0.2278	0.2297	0.2240	-----	0.218	6.38	1.00	1.00	7.1	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dimethylphenol	1	0	Avg	0.4488	0.3921	0.4185	0.3997	0.4103	0.4296	0.4295	0.4330	-----	0.420	6.41	0.999	1.00	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzoic Acid	1	0	Avg	0.3573	-----	0.2856	0.2762	0.3522	0.3859	0.3916	0.4013	-----	0.350	6.49	0.998	0.999	14		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethoxy)met	1	0	Avg	0.4681	0.4707	0.4649	0.4321	0.4367	0.4510	0.4530	0.4643	-----	0.455	6.49	0.999	1.00	3.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dichlorophenol	1	0	Avg	0.3432	0.3330	0.3418	0.3020	0.3151	0.3311	0.3318	0.3356	0.4209	0.339	6.57	0.999	1.00	9.8	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
1.2.4-Trichlorobenzene	1	0	Avg	0.4019	0.3766	0.4115	0.3654	0.3632	0.3829	0.3735	0.3872	-----	0.383	6.64	0.999	0.999	4.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Naphthalene	1	0	Avg	1.1572	1.1312	1.1785	1.0999	1.1010	1.1504	1.1366	1.1486	1.5112	1.18	6.71	1.00	1.00	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
4-Chloroaniline	1	0	Qua	0.4854	0.3364	0.4751	0.4616	0.4398	0.4106	0.3675	0.3542	0.5303	0.429	6.74	0.987	0.999	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Hexachlorobutadiene	1	0	Avg	0.2072	0.1837	0.2364	0.2143	0.2017	0.2035	0.2079	0.2055	-----	0.208	6.79	1.00	1.00	7.1	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Caprolactam	1	0	Avg	0.1276	0.1269	0.1027	0.1289	0.1239	0.1199	0.1336	0.1062	-----	0.121	7.03	0.977	0.984	9.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chloro-3-methylphen	1	0	Avg	0.3838	0.3516	0.3704	0.3488	0.3638	0.3672	0.3734	0.3762	-----	0.367	7.12	1.00	1.00	3.3	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylnaphthalene	1	0	Avg	0.7959	0.7361	0.7720	0.7541	0.7558	0.7863	0.7879	0.7904	-----	0.772	7.26	1.00	1.00	2.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Methylnaphthalenes (T	1	0	Avg	0.7959	0.7359	0.7720	0.7541	0.7558	0.7863	0.7879	0.7904	-----	0.772	7.26	1.00	1.00	2.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.1'-Biphenyl	1	0	Avg	0.9915	1.0168	1.0127	0.9438	0.9330	0.9747	0.9695	0.9861	-----	0.979	7.63	1.00	1.00	3.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2.4.5-Tetrachloroben	1	0	Avg	0.6197	0.6176	0.5901	0.5941	0.5853	0.5891	0.5836	0.5904	-----	0.596	7.39	1.00	1.00	2.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorocyclopentac	1	0	Qua	0.3591	0.2147	0.2775	0.2848	0.3410	0.3631	0.3751	0.3664	-----	0.323	7.37	0.998	0.999	18	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Avg Rsd: 6.48

Flags
a - failed the spcc criteria — ** - ccc compound*
b - failed the ccc criteria — *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note:
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

2070213 0160

Method: EPA 8270C

Initial Calibration

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	7M54354.	CALBNA@50PPM	06/18/12 09:40	2	7M54358.	CALBNA@2PPM	06/18/12 11:12
3	7M54359.	CALBNA@10PPM	06/18/12 11:35	4	7M54360.	CALBNA@20PPM	06/18/12 11:58
5	7M54362.	CALBNA@80PPM	06/18/12 12:45	6	7M54357.	CALBNA@120PPM	06/18/12 10:49
7	7M54356.	CALBNA@160PPM	06/18/12 10:26	8	7M54355.	CALBNA@196PPM	06/18/12 10:03
9	7M54361.	CALBNA@.5PPM	06/18/12 12:21				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
2,4,6-Trichlorophenol	1	0	Avg	0.4473	0.3610	0.4240	0.3904	0.4037	0.4197	0.4306	0.4257	-----	0.413	7.48	0.999	0.999	6.5	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4,5-Trichlorophenol	1	0	Avg	0.4672	0.4684	0.4550	0.4131	0.4363	0.4306	0.4370	0.4447	-----	0.444	7.51	0.999	0.999	4.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorobiphenyl	1	0	Avg	1.5562	1.4989	1.4809	1.4687	1.4807	1.4849	1.4784	1.4920	-----	1.49	7.54	1.00	1.00	1.8		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
2-Chloronaphthalene	1	0	Avg	1.3126	1.2158	1.2750	1.1855	1.2183	1.2514	1.2397	1.2429	-----	1.24	7.65	1.00	1.00	3.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,4-Dimethylnaphthalen	1	0	Avg	1.1234	0.9909	1.0482	1.0412	1.0431	1.0942	1.0972	1.1408	-----	1.07	7.93	0.999	0.999	4.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylnaphthalenes	1	0	Avg	1.1234	0.9909	1.0482	1.0412	1.0431	1.0942	1.0972	1.1408	-----	1.07	7.93	0.999	0.999	4.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diphenyl Ether	1	0	Avg	0.8727	0.8464	0.8106	0.8259	0.8473	0.8774	0.8738	0.8927	-----	0.856	7.72	1.00	1.00	3.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitroaniline	1	0	Avg	0.5518	0.5176	0.5335	0.4797	0.5122	0.5182	0.5199	0.5136	-----	0.518	7.73	1.00	1.00	3.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Coumarin	1	0	Avg	0.5428	0.5124	0.5137	0.4916	0.5063	0.5289	0.5462	0.5559	-----	0.525	7.92	0.999	1.00	4.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthylene	1	0	Avg	2.0776	1.9234	2.0137	1.8806	1.9176	1.9640	1.9806	1.9858	-----	1.97	8.01	1.00	1.00	3.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylphthalate	1	0	Avg	1.5754	1.4263	1.4816	1.4254	1.4339	1.4613	1.4442	1.4430	-----	1.46	7.88	0.999	1.00	3.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,6-Dinitrotoluene	1	0	Avg	0.3678	0.3330	0.3513	0.3464	0.3389	0.3443	0.3585	0.3636	-----	0.351	7.94	0.999	0.999	3.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthene	1	0	Avg	1.3962	1.4311	1.3081	1.2453	1.2613	1.2946	1.3168	1.3118	-----	1.32	8.16	0.999	0.999	4.8	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3-Nitroaniline	1	0	Avg	0.3924	0.4309	0.3802	0.3691	0.3627	0.3468	0.3220	0.3083	-----	0.364	8.08	0.994	1.00	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4-Dinitrophenol	1	0	Avg	0.2542	-----	0.2041	0.1793	0.2330	0.2544	0.2558	0.2634	-----	0.235	8.18	0.997	0.998	14	**(0.050)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzofuran	1	0	Avg	1.8490	1.7121	1.7942	1.6882	1.6864	1.7127	1.7363	1.7616	2.5068	1.83	8.31	0.999	1.00	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
2,4-Dinitrotoluene	1	0	Avg	0.4851	0.4023	0.4514	0.4227	0.4674	0.4588	0.4707	0.4710	-----	0.454	8.29	1.00	1.00	6.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitrophenol	1	0	Avg	0.3467	0.2256	0.3065	0.2922	0.3232	0.3263	0.3362	0.3689	-----	0.316	8.22	0.994	0.998	14	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,3,4,6-Tetrachlorophe	1	0	Avg	0.3712	0.2949	0.3646	0.3154	0.3508	0.3625	0.3744	0.3736	-----	0.351	8.42	0.999	1.00	8.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluorene	1	0	Avg	1.5919	1.4106	1.5130	1.4887	1.5062	1.4985	1.5517	1.5688	-----	1.52	8.63	0.999	1.00	3.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chlorophenyl-phenyl	1	0	Avg	0.7518	0.6840	0.6796	0.6635	0.6966	0.7210	0.7375	0.7194	-----	0.707	8.62	0.999	0.999	4.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diethylphthalate	1	0	Avg	1.6083	1.6941	1.5479	1.4990	1.4994	1.5081	1.5284	1.5010	-----	1.55	8.51	1.00	1.00	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitroaniline	1	0	Avg	0.4199	0.3179	0.3781	0.3820	0.4000	0.3931	0.4038	0.4017	-----	0.387	8.64	1.00	1.00	8.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Atrazine	1	0	Avg	0.3862	0.4170	0.3774	0.3786	0.3647	0.3517	0.3391	0.3474	-----	0.370	9.26	0.999	0.999	6.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4,6-Dinitro-2-methylphe	1	0	Qua	0.1687	0.0836	0.1453	0.1350	0.1602	0.1696	0.1792	0.1766	-----	0.152	8.67	0.998	0.999	21		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
n-Nitrosodiphenylamine	1	0	Avg	0.7143	0.7827	0.6916	0.6600	0.7166	0.7192	0.7325	0.7254	-----	0.718	8.74	1.00	1.00	4.9	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4,6-Tribromophenol	1	0	Avg	0.1000	0.0964	0.0911	0.0852	0.0964	0.0998	0.1024	0.0985	-----	0.0963	8.86	0.999	0.999	5.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,2-Diphenylhydrazine	1	0	Avg	0.9977	0.7481	0.9343	0.9127	0.8551	0.8910	0.9894	0.9660	-----	0.912	8.77	0.996	0.997	9.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Bromophenyl-phenyl	1	0	Avg	0.2083	0.2234	0.2064	0.1908	0.2136	0.2239	0.2223	0.2225	-----	0.214	9.10	1.00	1.00	5.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobenzene	1	0	Avg	0.2088	0.1720	0.2164	0.2076	0.2037	0.2144	0.2172	0.2119	-----	0.207	9.16	0.999	0.999	7.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Octadecane	1	0	Avg	0.5349	0.4519	0.5035	0.4740	0.5124	0.5296	0.5274	0.5273	-----	0.508	9.43	1.00	1.00	5.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachlorophenol	1	0	Avg	0.1518	-----	0.1289	0.1185	0.1453	0.1571	0.1665	0.1579	-----	0.147	9.36	0.997	0.998	12	*(30)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Phenanthrene	1	0	Avg	1.2027	1.1660	1.1979	1.1815	1.1617	1.2079	1.2131	1.1940	-----	1.19	9.59	1.00	1.00	1.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Anthracene	1	0	Avg	1.2827	1.1129	1.2331	1.1944	1.2089	1.2623	1.2746	1.2542	-----	1.23	9.64	1.00	1.00	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Carbazole	1	0	Avg	1.1271	0.9790	1.1354	1.0550	1.1004	1.1322	1.1309	1.1150	-----	1.10	9.81	1.00	1.00	5.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-butylphthalate	1	0	Avg	1.5010	1.2727	1.3828	1.3791	1.4138	1.4743	1.4988	1.4542	1.6249	1.44	10.19	0.999	0.999	6.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Fluoranthene	1	0	Avg	1.3375	1.1744	1.3077	1.2098	1.2545	1.3069	1.3135	1.2967	-----	1.28	10.90	1.00	1.00	4.5	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pyrene	1	0	Avg	1.3513	1.2309	1.3447	1.2934	1.3079	1.3570	1.3515	1.3499	-----	1.32	11.17	1.00	1.00	3.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzidine	1	0	Avg	0.6055	0.4760	0.5303	0.5813	0.5141	0.4964	0.4726	0.4669	-----	0.518	11.06	0.993	0.998	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Terphenyl-d14	1	0	Avg	0.9239	0.8029	0.8988	0.8900	0.8927	0.9197	0.9034	0.9224	1.0754	0.914	11.35	1.00	1.00	7.7		25.00	1.00	5.00	10.00	40.00	60.00	80.00	96.00	0.25
4,4'-DDE	1	0	Avg	0.3148	0.2704	0.2915	0.2776	0.2968	0.3106	0.3061	0.3152	-----	0.298	11.29	0.999	1.00	5.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags
a - failed the spcc criteria — ** - ccc compound*
b - failed the ccc criteria — *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 6.48
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

070213 0161

Method: EPA 8270C

Initial Calibration

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	7M54354.	CALBNA@50PPM	06/18/12 09:40	2	7M54358.	CALBNA@2PPM	06/18/12 11:12
3	7M54359.	CALBNA@10PPM	06/18/12 11:35	4	7M54360.	CALBNA@20PPM	06/18/12 11:58
5	7M54362.	CALBNA@80PPM	06/18/12 12:45	6	7M54357.	CALBNA@120PPM	06/18/12 10:49
7	7M54356.	CALBNA@160PPM	06/18/12 10:26	8	7M54355.	CALBNA@196PPM	06/18/12 10:03
9	7M54361.	CALBNA@.5PPM	06/18/12 12:21				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
4'-DDD	1	0	Avg	0.5061	0.4725	0.5188	0.4921	0.4771	0.4992	0.4962	0.5001	-----	0.495	11.68	1.00	1.00	3.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Butylbenzylphthalate	1	0	Avg	0.6718	0.5616	0.6532	0.5815	0.6397	0.6653	0.6701	0.6760	-----	0.640	11.94	1.00	1.00	6.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4,4'-DDT	1	0	Avg	0.4774	0.4106	0.4398	0.4297	0.4547	0.4701	0.4660	0.4832	-----	0.454	12.04	0.999	1.00	5.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3,3'-Dichlorobenzidine	1	0	Avg	0.4172	0.3321	0.4335	0.4431	0.3707	0.3871	0.3721	0.3633	-----	0.390	12.57	0.998	0.999	9.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]anthracene	1	0	Avg	1.2730	1.3463	1.2935	1.2415	1.1999	1.2658	1.2347	1.2486	-----	1.26	12.59	1.00	1.00	3.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Chrysene	1	0	Avg	1.1668	1.1381	1.1553	1.1028	1.0958	1.1478	1.1216	1.1826	-----	1.14	12.63	0.998	0.999	2.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Ethylhexyl)phthal	1	0	Avg	0.9605	0.8755	0.9012	0.8594	0.9005	0.9679	0.9911	1.0164	-----	0.934	12.64	0.998	1.00	6.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-octylphthalate	1	0	Avg	1.8292	1.4691	1.7337	1.6542	1.7509	1.8568	1.8434	1.8366	-----	1.75	13.42	1.00	1.00	7.6	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[b]fluoranthene	1	0	Avg	1.3232	1.2967	1.2878	1.2471	1.2463	1.3861	1.2814	1.2929	-----	1.30	13.84	0.998	0.998	3.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[k]fluoranthene	1	0	Avg	1.3461	1.1666	1.3900	1.2602	1.2917	1.2847	1.3135	1.2909	-----	1.29	13.88	1.00	1.00	5.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]pyrene	1	0	Avg	1.2874	1.1774	1.2241	1.2433	1.2258	1.2866	1.2486	1.2631	-----	1.24	14.21	1.00	1.00	2.9	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Indeno[1,2,3-cd]pyrene	1	0	Avg	1.3650	1.2619	1.3419	1.2943	1.2666	1.3609	1.2978	1.3129	-----	1.31	15.54	0.999	0.999	3.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzo[a,h]anthracene	1	0	Avg	1.0895	1.0159	1.0617	1.0514	1.0436	1.1099	1.0489	1.0745	-----	1.06	15.57	0.999	0.999	2.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[g,h,i]perylene	1	0	Avg	1.1378	0.9965	1.1422	1.1076	1.0732	1.1282	1.0827	1.0688	-----	1.09	15.90	0.999	1.00	4.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Avg Rsd: 6.48

Flags
a - failed the spcc criteria — ** - ccc compound*
b - failed the ccc criteria — *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note:
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

070213 0162

Form7

Continuing Calibration

Calibration Name: CALBNA@50PPM **Data File:** 7M54855.D **Instrument:** GCMS 7

Cont Calibration Date/Time 7/12/2012 9:32:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,4-Dichlorobenzene-d4	1	0	I	5.58	40.00	40				0.000	0.00	
1,4-Dioxane	1	0		2.27	47.77				0.629			
Pyridine	1	0		2.69	54.39	50			1.455	1.583	8.79	
N-Nitrosodimethylamine	1	0		2.62	52.40	50			0.840	0.880	4.80	
2-Fluorophenol	1	0	S	4.37	50.51	50			1.373	1.387	1.03	
Benzaldehyde	1	0		5.21	43.73	50			0.652	0.776	12.53	
Aniline	1	0		5.30	60.86	50			2.005	2.441	21.73	
Pentachloroethane	1	0		5.34	54.45	50			0.520	0.566	8.91	
bis(2-Chloroethyl)ether	1	0		5.37	53.48	50			1.374	1.470	6.96	
Phenol-d5	1	0	S	5.29	53.37	50			1.816	1.938	6.74	
Phenol	1	0	CC	5.30	55.85	50	20		1.935	2.161	11.71	
2-Chlorophenol	1	0		5.41	52.03	50			1.488	1.548	4.06	
N-Decane	1	0		5.45	52.68	50			1.558	1.641	5.35	
1,3-Dichlorobenzene	1	0		5.54	54.23	50			1.609	1.745	8.47	
1,4-Dichlorobenzene	1	0	CC	5.60	53.63	50	20		1.661	1.782	7.26	
1,2-Dichlorobenzene	1	0		5.72	55.50	50			1.550	1.721	11.00	
Benzyl alcohol	1	0		5.71	57.58	50			0.917	1.056	15.15	
bis(2-chloroisopropyl)ether	1	0		5.82	53.17	50			1.750	1.861	6.34	
2-Methylphenol	1	0		5.80	55.88	50			1.477	1.574	11.76	
Acetophenone	1	0		5.92	55.92	50			2.156	2.411	11.84	
Hexachloroethane	1	0		6.00	56.27	50			0.676	0.761	12.53	
N-Nitroso-di-n-propylamine	1	0	CP	5.92	53.67	50	0.05		1.220	1.309	7.34	
3&4-Methylphenol	1	0		5.93	51.06	50			1.553	1.586	2.13	
Naphthalene-d8	1	0	I	6.62	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	6.04	23.37	25			0.192	0.179	6.54	
Nitrobenzene	1	0		6.06	52.86	50			0.431	0.456	5.72	
Isophorone	1	0		6.25	51.37	50			0.749	0.769	2.73	
2-Nitrophenol	1	0	CC	6.32	51.35	50	20		0.218	0.224	2.70	
2,4-Dimethylphenol	1	0		6.35	52.25	50			0.420	0.439	4.49	
Benzoic Acid	1	0		6.43	49.51	50			0.350	0.347	0.98	
bis(2-Chloroethoxy)methane	1	0		6.42	49.85	50			0.455	0.454	0.30	
2,4-Dichlorophenol	1	0	CC	6.51	50.23	50	20		0.339	0.341	0.47	
1,2,4-Trichlorobenzene	1	0		6.57	50.20	50			0.383	0.384	0.41	
Naphthalene	1	0		6.63	48.46	50			1.179	1.143	3.07	
4-Chloroaniline	1	0		6.68	51.41	50			0.429	0.474	2.83	
Hexachlorobutadiene	1	0	CC	6.72	53.33	50	20		0.208	0.221	6.67	
Caprolactam	1	0		6.96	52.38	50			0.121	0.127	4.76	
4-Chloro-3-methylphenol	1	0	CC	7.06	49.48	50	20		0.367	0.363	1.04	
2-Methylnaphthalene	1	0		7.18	51.72	50			0.772	0.799	3.45	
Methylnaphthalenes	1	0		7.18	51.73	50	20			0.799	3.45	
1,1'-Biphenyl	1	0		7.55	50.03	50			0.979	0.979	0.06	
Acenaphthene-d10	1	0	I	8.04	40.00	40				0.000	0.00	
1,2,4,5-Tetrachlorobenzene	1	0		7.31	53.21	50			0.596	0.635	6.41	
Hexachlorocyclopentadiene	1	0	CP	7.29	16.97	50	0.05		0.323	0.111	66.06	
2,4,6-Trichlorophenol	1	0	CC	7.40	51.09	50	20		0.413	0.422	2.18	
2,4,5-Trichlorophenol	1	0		7.44	51.62	50			0.444	0.459	3.25	
2-Fluorobiphenyl	1	0	S	7.47	24.35	25			1.493	1.454	2.62	
2-Chloronaphthalene	1	0		7.57	52.32	50			1.243	1.300	4.63	
1,4-Dimethylnaphthalene	1	0		7.85	50.41	50			1.072	1.081	0.82	
Dimethylnaphthalenes	1	0		7.85	50.41	50	20			1.081	0.82	
Diphenyl Ether	1	0		7.63	54.03	50			0.856	0.925	8.06	
2-Nitroaniline	1	0		7.65	56.93	50			0.518	0.590	13.86	
Coumarin	1	0		7.84	52.60				0.525			
Acenaphthylene	1	0		7.92	53.00	50			1.968	2.086	5.99	
Dimethylphthalate	1	0		7.80	53.77	50			1.461	1.572	7.55	
2,6-Dinitrotoluene	1	0		7.86	50.36	50			0.351	0.353	0.73	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CALBNA@50PPM **Data File:** 7M54855.D **Instrument:** GCMS 7

Cont Calibration Date/Time 7/12/2012 9:32:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Acenaphthene	1	0	CC	8.07	47.08	50	20		1.321	1.244	5.83	
3-Nitroaniline	1	0		8.00	56.17	50			0.364	0.409	12.34	
2,4-Dinitrophenol	1	0	CP	8.11	40.90	50	0.05		0.235	0.192	18.19	
Dibenzofuran	1	0		8.23	48.73	50			1.828	1.781	2.54	
2,4-Dinitrotoluene	1	0		8.21	53.71	50			0.454	0.487	7.43	
4-Nitrophenol	1	0	CP	8.15	53.54	50	0.05		0.316	0.338	7.08	
2,3,4,6-Tetrachlorophenol	1	0		8.34	52.31	50			0.351	0.367	4.62	
Fluorene	1	0		8.54	52.71	50			1.516	1.598	5.42	
4-Chlorophenyl-phenylether	1	0		8.53	52.60	50			0.707	0.744	5.21	
Diethylphthalate	1	0		8.42	51.20	50			1.548	1.585	2.40	
4-Nitroaniline	1	0		8.56	52.44	50			0.387	0.406	4.89	
Atrazine	1	0		9.17	49.67	50			0.370	0.368	0.65	
Phenanthrene-d10	1	0	I	9.48	40.00	40				0.000	0.00	
4,6-Dinitro-2-methylphenol	1	0		8.60	51.55	50			0.152	0.163	3.10	
n-Nitrosodiphenylamine	1	0	CC	8.65	49.96	50	20		0.718	0.717	0.09	
2,4,6-Tribromophenol	1	0	S	8.77	52.78	50			0.096	0.102	5.57	
1,2-Diphenylhydrazine	1	0		8.69	49.42	50			0.912	0.901	1.15	
4-Bromophenyl-phenylether	1	0		9.01	54.50	50			0.214	0.233	9.00	
Hexachlorobenzene	1	0		9.08	53.53	50			0.207	0.221	7.06	
N-Octadecane	1	0		9.35	48.54	50			0.508	0.493	2.93	
Pentachlorophenol	1	0	CC	9.28	40.92	50	20		0.147	0.120	18.16	
Phenanthrene	1	0		9.51	50.99	50			1.191	1.214	1.97	
Anthracene	1	0		9.56	51.34	50			1.228	1.261	2.67	
Carbazole	1	0		9.74	51.41	50			1.097	1.128	2.83	
Di-n-butylphthalate	1	0		10.11	51.99	50			1.445	1.502	3.98	
Fluoranthene	1	0	CC	10.82	52.57	50	20		1.275	1.341	5.15	
Chrysene-d12	1	0	I	12.54	40.00	40				0.000	0.00	
Pyrene	1	0		11.08	51.48	50			1.323	1.363	2.96	
Benzidine	1	0		10.98	54.86	50			0.518	0.568	9.72	
Terphenyl-d14	1	0	S	11.27	23.49	25			0.914	0.859	6.03	
4,4'-DDE	1	0		11.20	50.67				0.298			
4,4'-DDD	1	0		11.61	52.14				0.495			
Butylbenzylphthalate	1	0		11.86	53.32	50			0.640	0.682	6.64	
4,4'-DDT	1	0		11.96	51.15				0.454			
3,3'-Dichlorobenzidine	1	0		12.50	54.55	50			0.390	0.425	9.10	
Benzo[a]anthracene	1	0		12.52	51.11	50			1.263	1.291	2.23	
Chrysene	1	0		12.57	52.25	50			1.139	1.190	4.50	
bis(2-Ethylhexyl)phthalate	1	0		12.57	53.26	50			0.934	0.995	6.52	
Perylene-d12	1	0	I	14.27	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	13.38	50.56	50	20		1.747	1.766	1.11	
Benzo[b]fluoranthene	1	0		13.83	51.15	50			1.295	1.325	2.30	
Benzo[k]fluoranthene	1	0		13.86	51.13	50			1.293	1.322	2.26	
Benzo[a]pyrene	1	0	CC	14.21	51.45	50	20		1.245	1.281	2.91	
Indeno[1,2,3-cd]pyrene	1	0		15.55	54.87	50			1.313	1.441	9.74	
Dibenzo[a,h]anthracene	1	0		15.57	53.96	50			1.062	1.146	7.92	
Benzo[g,h,i]perylene	1	0		15.91	53.44	50			1.092	1.167	6.89	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	
Endrin	1	100		0.00	0.00	50				0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.772	0.000	100.00	
2,2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CALBNA@50PPM **Data File:** 7M54855.D **Instrument:** GCMS 7

Cont Calibration Date/Time 7/12/2012 9:32:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
2,4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			1.072	0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CALBNA@50PPM **Data File:** 7M54905.D **Instrument:** GCMS 7

Cont Calibration Date/Time 7/13/2012 4:16:00 P Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,4-Dichlorobenzene-d4	1	0	I	5.56	40.00	40				0.000	0.00	
1,4-Dioxane	1	0		2.24	43.49				0.629			
Pyridine	1	0		2.66	45.13	50			1.455	1.314	9.75	
N-Nitrosodimethylamine	1	0		2.59	51.71	50			0.840	0.868	3.42	
2-Fluorophenol	1	0	S	4.35	47.77	50			1.373	1.312	4.46	
Benzaldehyde	1	0		5.19	47.87	50			0.652	0.824	4.25	
Aniline	1	0		5.29	57.31	50			2.005	2.298	14.62	
Pentachloroethane	1	0		5.32	47.79	50			0.520	0.497	4.41	
bis(2-Chloroethyl)ether	1	0		5.34	49.01	50			1.374	1.347	1.98	
Phenol-d5	1	0	S	5.26	51.38	50			1.816	1.866	2.76	
Phenol	1	0	CC	5.28	53.01	50	20		1.935	2.051	6.01	
2-Chlorophenol	1	0		5.39	50.23	50			1.488	1.495	0.45	
N-Decane	1	0		5.42	45.73	50			1.558	1.425	8.54	
1,3-Dichlorobenzene	1	0		5.52	50.99	50			1.609	1.641	1.99	
1,4-Dichlorobenzene	1	0	CC	5.58	49.57	50	20		1.661	1.647	0.86	
1,2-Dichlorobenzene	1	0		5.70	50.58	50			1.550	1.568	1.15	
Benzyl alcohol	1	0		5.69	52.73	50			0.917	0.967	5.46	
bis(2-chloroisopropyl)ether	1	0		5.80	52.84	50			1.750	1.849	5.68	
2-Methylphenol	1	0		5.79	54.28	50			1.477	1.529	8.56	
Acetophenone	1	0		5.91	53.05	50			2.156	2.287	6.10	
Hexachloroethane	1	0		5.98	52.02	50			0.676	0.704	4.05	
N-Nitroso-di-n-propylamine	1	0	CP	5.91	51.28	50	0.05		1.220	1.251	2.57	
3&4-Methylphenol	1	0		5.91	51.88	50			1.553	1.611	3.77	
Naphthalene-d8	1	0	I	6.61	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	6.03	23.70	25			0.192	0.182	5.20	
Nitrobenzene	1	0		6.04	54.37	50			0.431	0.469	8.73	
Isophorone	1	0		6.24	51.94	50			0.749	0.778	3.87	
2-Nitrophenol	1	0	CC	6.30	53.14	50	20		0.218	0.232	6.28	
2,4-Dimethylphenol	1	0		6.33	55.65	50			0.420	0.468	11.30	
Benzoic Acid	1	0		6.42	48.13	50			0.350	0.337	3.73	
bis(2-Chloroethoxy)methane	1	0		6.41	48.63	50			0.455	0.443	2.74	
2,4-Dichlorophenol	1	0	CC	6.49	51.36	50	20		0.339	0.349	2.73	
1,2,4-Trichlorobenzene	1	0		6.56	52.06	50			0.383	0.399	4.13	
Naphthalene	1	0		6.62	48.84	50			1.179	1.152	2.32	
4-Chloroaniline	1	0		6.66	50.81	50			0.429	0.469	1.62	
Hexachlorobutadiene	1	0	CC	6.71	57.82	50	20		0.208	0.240	15.65	
Caprolactam	1	0		6.96	56.63	50			0.121	0.137	13.26	
4-Chloro-3-methylphenol	1	0	CC	7.05	55.30	50	20		0.367	0.406	10.60	
2-Methylnaphthalene	1	0		7.18	52.54	50			0.772	0.812	5.09	
Methylnaphthalenes	1	0		7.18	52.55	50	20			0.812	5.09	
1,1'-Biphenyl	1	0		7.57	51.07	50			0.979	0.999	2.14	
Acenaphthene-d10	1	0	I	8.06	40.00	40				0.000	0.00	
1,2,4,5-Tetrachlorobenzene	1	0		7.32	50.64	50			0.596	0.604	1.28	
Hexachlorocyclopentadiene	1	0	CP	7.30	14.21	50	0.05		0.323	0.092	71.59	
2,4,6-Trichlorophenol	1	0	CC	7.41	54.28	50	20		0.413	0.448	8.55	
2,4,5-Trichlorophenol	1	0		7.45	53.57	50			0.444	0.476	7.13	
2-Fluorobiphenyl	1	0	S	7.48	24.51	25			1.493	1.463	1.95	
2-Chloronaphthalene	1	0		7.59	52.71	50			1.243	1.310	5.43	
1,4-Dimethylnaphthalene	1	0		7.87	51.92	50			1.072	1.114	3.84	
Dimethylnaphthalenes	1	0		7.87	51.92	50	20			1.114	3.84	
Diphenyl Ether	1	0		7.65	56.10	50			0.856	0.960	12.21	
2-Nitroaniline	1	0		7.67	58.51	50			0.518	0.607	17.01	
Coumarin	1	0		7.86	50.65				0.525			
Acenaphthylene	1	0		7.95	52.40	50			1.968	2.063	4.81	
Dimethylphthalate	1	0		7.82	54.21	50			1.461	1.585	8.43	
2,6-Dinitrotoluene	1	0		7.88	54.71	50			0.351	0.384	9.42	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound 1 - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CALBNA@50PPM **Data File:** 7M54905.D **Instrument:** GCMS 7

Cont Calibration Date/Time 7/13/2012 4:16:00 P Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Acenaphthene	1	0	CC	8.10	50.20	50	20		1.321	1.326	0.39	
3-Nitroaniline	1	0		8.03	54.30	50			0.364	0.395	8.59	
2,4-Dinitrophenol	1	0	CP	8.13	48.22	50	0.05		0.235	0.227	3.56	
Dibenzofuran	1	0		8.25	49.95	50			1.828	1.826	0.09	
2,4-Dinitrotoluene	1	0		8.23	53.03	50			0.454	0.481	6.07	
4-Nitrophenol	1	0	CP	8.18	52.05	50	0.05		0.316	0.329	4.10	
2,3,4,6-Tetrachlorophenol	1	0		8.36	55.37	50			0.351	0.389	10.74	
Fluorene	1	0		8.56	55.62	50			1.516	1.687	11.25	
4-Chlorophenyl-phenylether	1	0		8.56	56.27	50			0.707	0.795	12.54	
Diethylphthalate	1	0		8.44	55.43	50			1.548	1.717	10.86	
4-Nitroaniline	1	0		8.58	57.72	50			0.387	0.447	15.44	
Atrazine	1	0		9.19	51.18	50			0.370	0.379	2.37	
Phenanthrene-d10	1	0	I	9.48	40.00	40				0.000	0.00	
4,6-Dinitro-2-methylphenol	1	0		8.61	46.62	50			0.152	0.146	6.76	
n-Nitrosodiphenylamine	1	0	CC	8.67	49.09	50	20		0.718	0.705	1.82	
2,4,6-Tribromophenol	1	0	S	8.79	50.26	50			0.096	0.097	0.53	
1,2-Diphenylhydrazine	1	0		8.70	48.45	50			0.912	0.884	3.10	
4-Bromophenyl-phenylether	1	0		9.03	51.76	50			0.214	0.221	3.52	
Hexachlorobenzene	1	0		9.09	54.64	50			0.207	0.226	9.27	
N-Octadecane	1	0		9.36	46.78	50			0.508	0.475	6.43	
Pentachlorophenol	1	0	CC	9.29	42.55	50	20		0.147	0.125	14.91	
Phenanthrene	1	0		9.51	49.45	50			1.191	1.178	1.10	
Anthracene	1	0		9.56	49.20	50			1.228	1.208	1.60	
Carbazole	1	0		9.74	50.74	50			1.097	1.113	1.47	
Di-n-butylphthalate	1	0		10.10	49.77	50			1.445	1.438	0.46	
Fluoranthene	1	0	CC	10.80	51.02	50	20		1.275	1.301	2.04	
Chrysene-d12	1	0	I	12.51	40.00	40				0.000	0.00	
Pyrene	1	0		11.07	51.29	50			1.323	1.358	2.58	
Benzidine	1	0		10.96	53.84	50			0.518	0.558	7.68	
Terphenyl-d14	1	0	S	11.25	24.58	25			0.914	0.899	1.68	
4,4'-DDE	1	0		11.18	50.70				0.298			
4,4'-DDD	1	0		11.58	50.97				0.495			
Butylbenzylphthalate	1	0		11.84	52.01	50			0.640	0.666	4.02	
4,4'-DDT	1	0		11.94	51.96				0.454			
3,3'-Dichlorobenzidine	1	0		12.47	54.64	50			0.390	0.426	9.28	
Benzo[a]anthracene	1	0		12.50	50.39	50			1.263	1.273	0.78	
Chrysene	1	0		12.54	51.00	50			1.139	1.162	1.99	
bis(2-Ethylhexyl)phthalate	1	0		12.55	51.45	50			0.934	0.961	2.90	
Perylene-d12	1	0	I	14.23	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	13.34	50.50	50	20		1.747	1.764	1.01	
Benzo[b]fluoranthene	1	0		13.79	52.80	50			1.295	1.368	5.59	
Benzo[k]fluoranthene	1	0		13.82	50.08	50			1.293	1.295	0.16	
Benzo[a]pyrene	1	0	CC	14.16	50.63	50	20		1.245	1.260	1.26	
Indeno[1,2,3-cd]pyrene	1	0		15.49	52.62	50			1.313	1.381	5.24	
Dibenzo[a,h]anthracene	1	0		15.51	52.62	50			1.062	1.118	5.24	
Benzo[g,h,i]perylene	1	0		15.84	52.77	50			1.092	1.153	5.53	
2,2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.772	0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Endrin	1	100		0.00	0.00	50				0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	
2,4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CALBNA@50PPM **Data File:** 7M54905.D **Instrument:** GCMS 7

Cont Calibration Date/Time 7/13/2012 4:16:00 P Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			1.072	0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

FORM8

Internal Standard Areas

Evaluation Std Data File: 7M54354.D Method: EPA 8270C

Analysis Date/Time: 06/18/12 09:40

Lab File ID: CALBNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	52947	5.65	197111	6.68	111675	8.13	208727	9.57	207225	12.60	177595	14.27
Eval File Area Limit:	26474-105894		98556-394222		55838-223350		104364-417454		103612-414450		88798-355190	
Eval File Rt Limit:	5.15-6.15		6.18-7.18		7.63-8.63		9.07-10.07		12.1-13.1		13.77-14.77	

Data File	Sample												
7M54354.D	CALBNA@50	52947	5.65	197111	6.68	111675	8.13	208727	9.57	207225	12.60	177595	14.27
7M54355.D	CALBNA@19	48456	5.66	183548	6.68	109056	8.12	194703	9.56	194850	12.60	168697	14.25
7M54356.D	CALBNA@16	47408	5.66	180610	6.69	105937	8.13	186371	9.57	190138	12.60	162174	14.24
7M54357.D	CALBNA@12	41863	5.66	162987	6.68	96088	8.11	169427	9.55	169126	12.60	143227	14.25
7M54358.D	CALBNA@2P	45079	5.65	175051	6.69	103355	8.15	199346	9.58	195720	12.60	177628	14.27
7M54359.D	CALBNA@10	63878	5.65	236413	6.68	140019	8.12	256023	9.56	252023	12.62	219834	14.37
7M54360.D	CALBNA@20	41080	5.65	153497	6.69	90152	8.13	164746	9.57	162218	12.60	139409	14.29
7M54361.D	CALBNA@.5F	42895	5.65	169713	6.68	99792	8.10	190382	9.55	186869	12.59	170608	14.29
7M54362.D	CALBNA@80	44835	5.66	171083	6.68	98709	8.11	177942	9.55	178993	12.61	154622	14.34
7M54364.D	ICVBNA@50F	42257	5.65	165570	6.68	93819	8.12	176847	9.56	172313	12.61	150622	14.33

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 7M54855.D Method: EPA 8270C

Analysis Date/Time: 07/12/12 09:32

Lab File ID: CALBNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	41796	5.58	169719	6.62	101043	8.04	190669	9.48	196983	12.54	187892	14.27
Eval File Area Limit:	20898-83592		84860-339438		50522-202086		95334-381338		98492-393966		93946-375784	
Eval File Rt Limit:	5.08-6.08		6.12-7.12		7.54-8.54		8.98-9.98		12.04-13.04		13.77-14.77	

Data File	Sample												
7M54854.D	BNA@50PPM	44110	5.60	171890	6.65	101181	8.11	193467	9.54	200756	12.58	193032	14.33
7M54856.D	SMB14801	42360	5.58	158482	6.62	95320	8.04	177993	9.48	170738	12.52	150527	14.22
7M54857.D	SMB14801(M	43238	5.59	157280	6.63	93891	8.08	176571	9.51	164955	12.55	141884	14.31
7M54858.D	AC66934-001	52954	5.59	185607	6.62	109453	8.06	200605	9.49	173428	12.57	151885	14.35
7M54859.D	AC66934-002	44642	5.59	164801	6.63	98994	8.10	174493	9.53	155083	12.54	137502	14.26
7M54860.D	AC66981-003	43030	5.59	171354	6.62	99652	8.05	177864	9.48	171605	12.52	154879	14.19
7M54861.D	AC66981-003(	42145	5.59	158302	6.63	95112	8.07	161758	9.50	146945	12.52	125704	14.20
7M54862.D	AC66981-003(	40836	5.59	153313	6.63	90417	8.10	161669	9.53	148437	12.59	133920	14.35
7M54863.D	AC66981-002	43277	5.59	162242	6.63	92373	8.10	165228	9.53	142398	12.55	127009	14.31
7M54864.D	AC66981-004	42959	5.59	163157	6.65	95242	8.17	170416	9.64	149790	12.83	142851	14.68
7M54865.D	AC66981-005	39826	5.59	160139	6.64	95067	8.14	170183	9.58	170277	12.70	151241	14.57
7M54866.D	AC66981-006	40723	5.59	161025	6.65	87904	8.18	158794	9.65	146785	12.74	130536	14.56
7M54867.D	AC66856-008	41617	5.59	168176	6.66	105215	8.19	191762	9.64	180546	12.74	150022	14.62
7M54868.D	AC66856-009	36782	5.59	145718	6.63	88589	8.09	160322	9.52	140014	12.59	125533	14.39
7M54869.D	AC66854-001	44219	5.59	164529	6.64	98835	8.15	170173	9.61	156787	12.68	140042	14.51
7M54870.D	AC66854-002	45112	5.59	167266	6.65	99222	8.16	179251	9.62	156525	12.72	141222	14.54
7M54871.D	AC66934-003	46399	5.59	172280	6.63	96171	8.08	161330	9.51	128951	12.56	129686	14.35
7M54872.D	SMB14814(M	39381	5.58	152450	6.61	88277	8.04	158683	9.48	142282	12.55	133107	14.31
7M54873.D	SMB14814	46802	5.58	176516	6.62	101654	8.05	171251	9.48	140911	12.54	133632	14.27
7M54874.D	AC66981-005(	52936	5.59	200143	6.61	109217	8.03	190921	9.46	164268	12.52	154305	14.22
7M54875.D	AC66854-003	41736	5.59	150362	6.61	87186	8.04	141088	9.47	122115	12.52	120228	14.26
7M54876.D	AC66869-001	40728	5.59	151266	6.61	91529	8.02	163753	9.46	151753	12.51	138710	14.20
7M54877.D	AC66869-002	45787	5.59	179798	6.61	108104	8.04	189105	9.48	169844	12.51	153517	14.18
7M54878.D	AC66869-003	46532	5.59	172859	6.61	101993	8.01	183621	9.46	160160	12.51	151051	14.21
7M54879.D	AC66869-004	42084	5.59	159478	6.61	95925	8.00	172069	9.45	160052	12.51	147546	14.18
7M54880.D	AC66869-005	42418	5.59	159188	6.60	90063	8.01	158673	9.45	134118	12.50	124773	14.14
7M54881.D	AC66869-006	41408	5.59	161530	6.60	96802	8.00	170408	9.45	145905	12.50	145697	14.15
7M54882.D	AC66869-007	39679	5.59	147864	6.61	83090	8.01	146990	9.46	133092	12.50	129253	14.14
7M54883.D	AC66869-008	42336	5.59	156719	6.60	90601	8.01	154964	9.45	124422	12.51	124897	14.17

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 7M54905.D Method: EPA 8270C

Analysis Date/Time: 07/13/12 16:16

Lab File ID: CALBNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	43786	5.56	172790	6.61	104610	8.06	203582	9.48	206223	12.51	184139	14.23
Eval File Area Limit:	21893-87572		86395-345580		52305-209220		101791-407164		103112-412446		92070-368278	
Eval File Rt Limit:	5.06-6.06		6.11-7.11		7.56-8.56		8.98-9.98		12.01-13.01		13.73-14.73	

Data File	Sample												
7M54906.D	AC67014-002	57249	5.56	215875	6.61	128108	8.06	217102	9.48	192312	12.51	154403	14.25
7M54907.D	AC67014-001	52234	5.56	202693	6.59	115198	8.02	198944	9.45	153082	12.49	86158 A	14.20
7M54908.D	AC66869-008	50867	5.57	191882	6.58	106470	8.00	176629	9.44	131022	12.48	116561	14.17
7M54909.D	AC66841-001	56036	5.56	208584	6.58	124366	8.00	209201	9.44	161197	12.48	137171	14.13
7M54910.D	AC66841-012	46232	5.56	168038	6.58	95380	7.99	156406	9.43	121392	12.47	120469	14.12
7M54911.D	AC66841-015(	47979	5.56	186881	6.58	106704	7.98	183168	9.43	165609	12.47	162496	14.11
7M54912.D	AC66838-001	45014	5.57	173742	6.58	108766	7.99	170954	9.44	139807	12.48	131750	14.13
7M54913.D	AC66863-002	48331	5.56	186703	6.58	117025	7.99	182156	9.43	144099	12.48	132043	14.10
7M54914.D	AC66859-001(	61942	5.57	227799	6.58	128674	7.98	224446	9.42	197810	12.48	187475	14.10
7M54915.D	AC66859-002(	43173	5.56	168638	6.58	106925	7.98	183044	9.43	170625	12.48	168677	14.10
7M54916.D	AC66859-003(	54014	5.56	196914	6.58	113213	7.98	197107	9.42	181689	12.48	176141	14.10
7M54917.D	AC66859-004(	49824	5.56	192932	6.58	114990	7.98	200608	9.42	192629	12.48	182038	14.11
7M54918.D	AC66859-005(	46424	5.56	181598	6.58	109372	7.98	185410	9.42	168283	12.47	160607	14.09
7M54919.D	AC66859-006(	45689	5.56	177887	6.58	103438	7.97	181571	9.42	167861	12.47	157440	14.10
7M54920.D	AC66859-007(	48813	5.56	185440	6.58	108384	7.98	186211	9.42	172820	12.48	157129	14.10

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

PCB Data

Form1

ORGANICS PCB REPORT

Sample Number: AC66869-001
Client Id: RI-B1-A
Data File: 3G68256.D
Analysis Date: 07/10/12 17:12
Date Rec/Extracted: 07/02/12-07/09/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 90

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.028	U	11097-69-1	Aroclor-1254	0.028	U
11104-28-2	Aroclor-1221	0.028	U	**11096-82-5**	**Aroclor-1260**	**0.028**	**0.061**
11141-16-5	Aroclor-1232	0.028	U	37324-23-5	Aroclor-1262	0.028	U
53469-21-9	Aroclor-1242	0.028	U	11100-14-4	Aroclor-1268	0.028	U
12672-29-6	Aroclor-1248	0.028	U	**1336-36-3**	**Aroclor (Total)**	**0.028**	**0.061**

Worksheet #: 233596

Total Target Concentration 0.061

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration use

Quantitation Report (QT Reviewed)

2070213 0174

Data Path : G:\Gcdata\2012\GC_3\Data\07-10-12\
Data File : 3G68256.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jul 2012 17:12
Operator : MS/JP
Sample : AC66869-001
Misc : S,PCB
ALS Vial : 79 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 11 10:09:05 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0626.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Wed Jun 27 09:11:04 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	4.069	3.966	807454	1562763	101.174	96.050
9)Aroclor-1260 {3}	8.021	8.419	25331	98604	112.332m	104.080
10)Aroclor-1260 {4}	8.321	9.118	41223	86766	113.710m	99.930m
11)Aroclor-1260 {5}	9.043	9.717	60311	60341	101.480	103.090
45)DCB-Surrogate	10.411	10.825	1002781	1825352	104.358	97.457

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

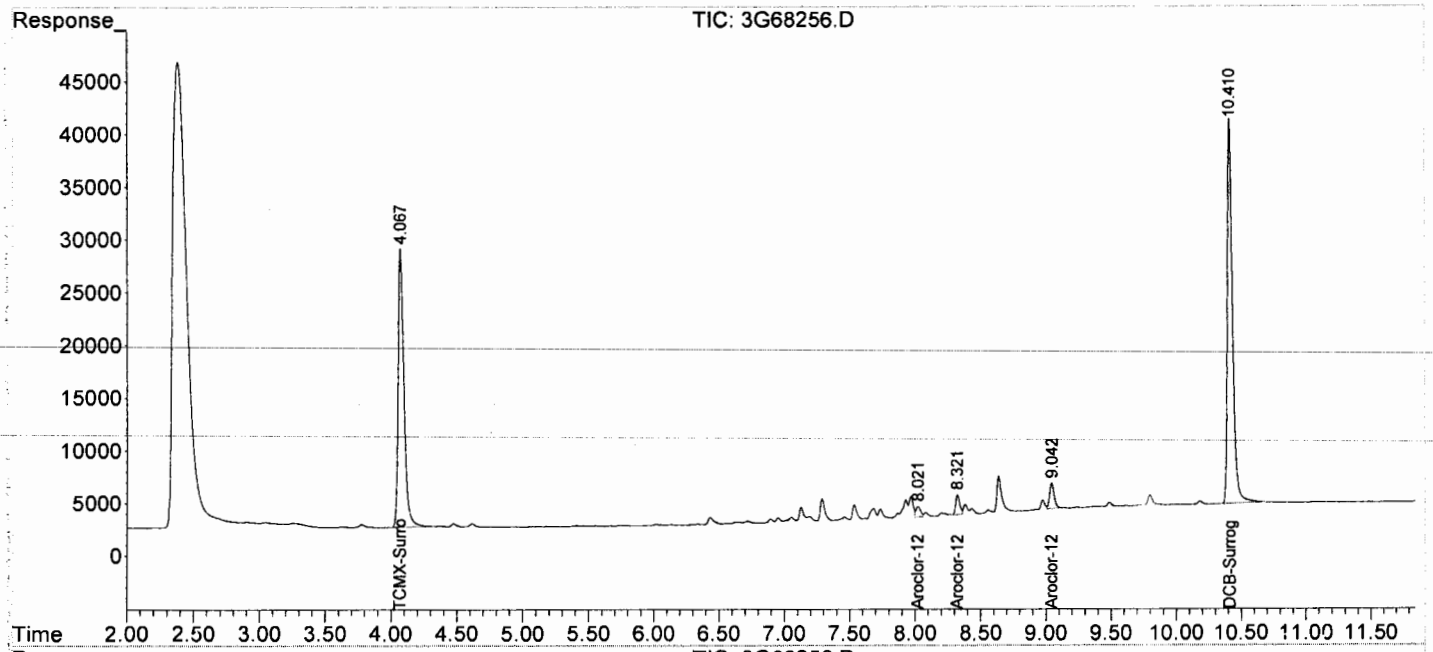
MG

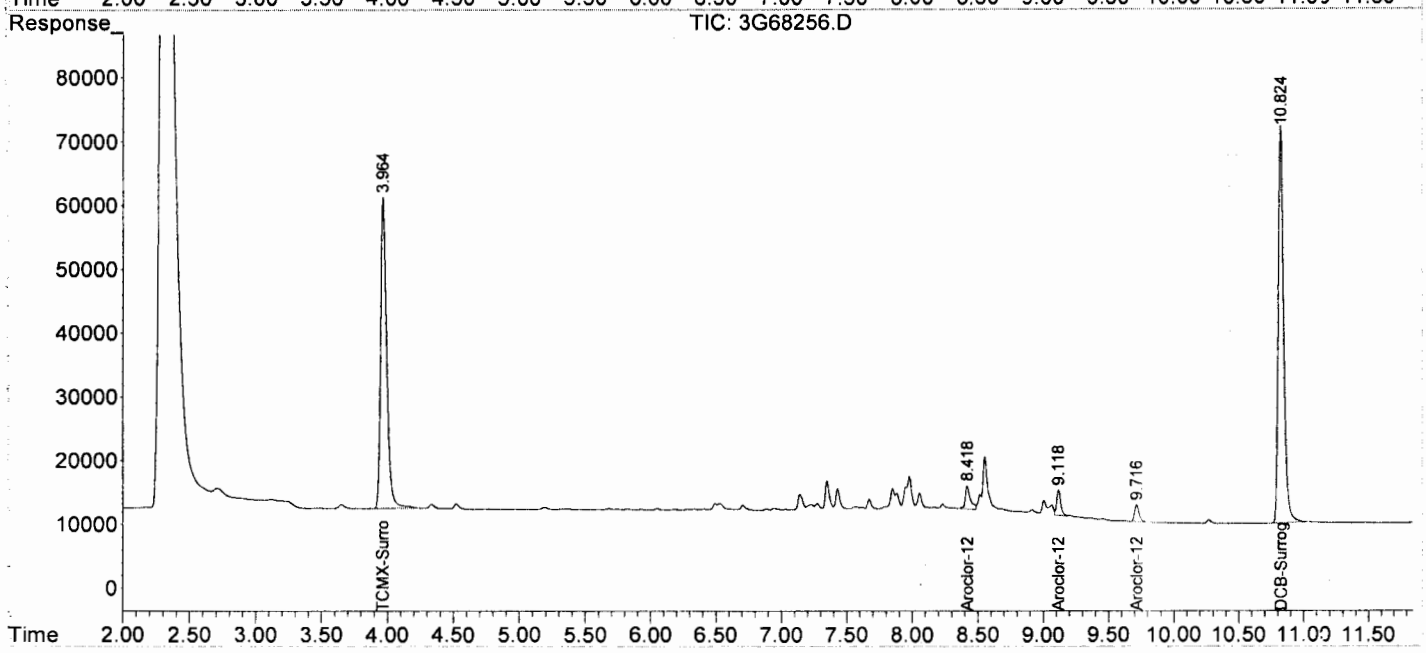
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_3\Data\07-10-12\
Data File : 3G68256.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jul 2012 17:12
Operator : MS/JP
Sample : AC66869-001
Misc : S,PCB
ALS Vial : 79 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 11 10:09:05 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0626.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Wed Jun 27 09:11:04 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Form1

ORGANICS PCB REPORT

Sample Number: AC66869-002
Client Id: RI-B1-B
Data File: 3G68259.D
Analysis Date: 07/10/12 18:00
Date Rec/Extracted: 07/02/12-07/09/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 88

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.028	U	11097-69-1	Aroclor-1254	0.028	U
11104-28-2	Aroclor-1221	0.028	U	11096-82-5	Aroclor-1260	0.028	U
11141-16-5	Aroclor-1232	0.028	U	37324-23-5	Aroclor-1262	0.028	U
53469-21-9	Aroclor-1242	0.028	U	11100-14-4	Aroclor-1268	0.028	U
12672-29-6	Aroclor-1248	0.028	U	1336-36-3	Aroclor (Total)	0.028	U

Worksheet #: 233596 ***Total Target Concentration*** 0 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

2070213 0177

Data Path : G:\Gcdata\2012\GC_3\Data\07-10-12\
Data File : 3G68259.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jul 2012 18:00
Operator : MS/JP
Sample : AC66869-002
Misc : S,PCB
ALS Vial : 82 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 11 10:11:17 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0626.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Wed Jun 27 09:11:04 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	4.070	3.966	762814	1482647	95.580	91.126
45)DCB-Surrogate	10.409	10.823	962866	1774080	100.204m	94.719

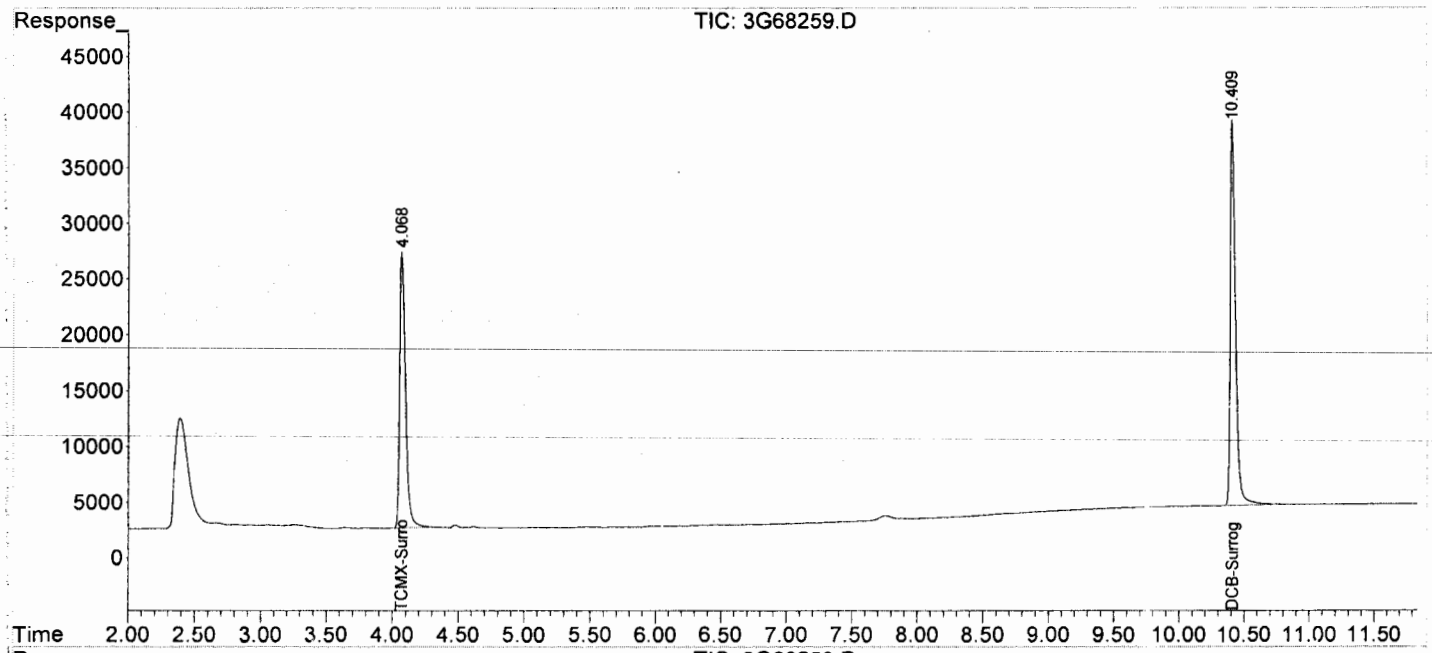
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

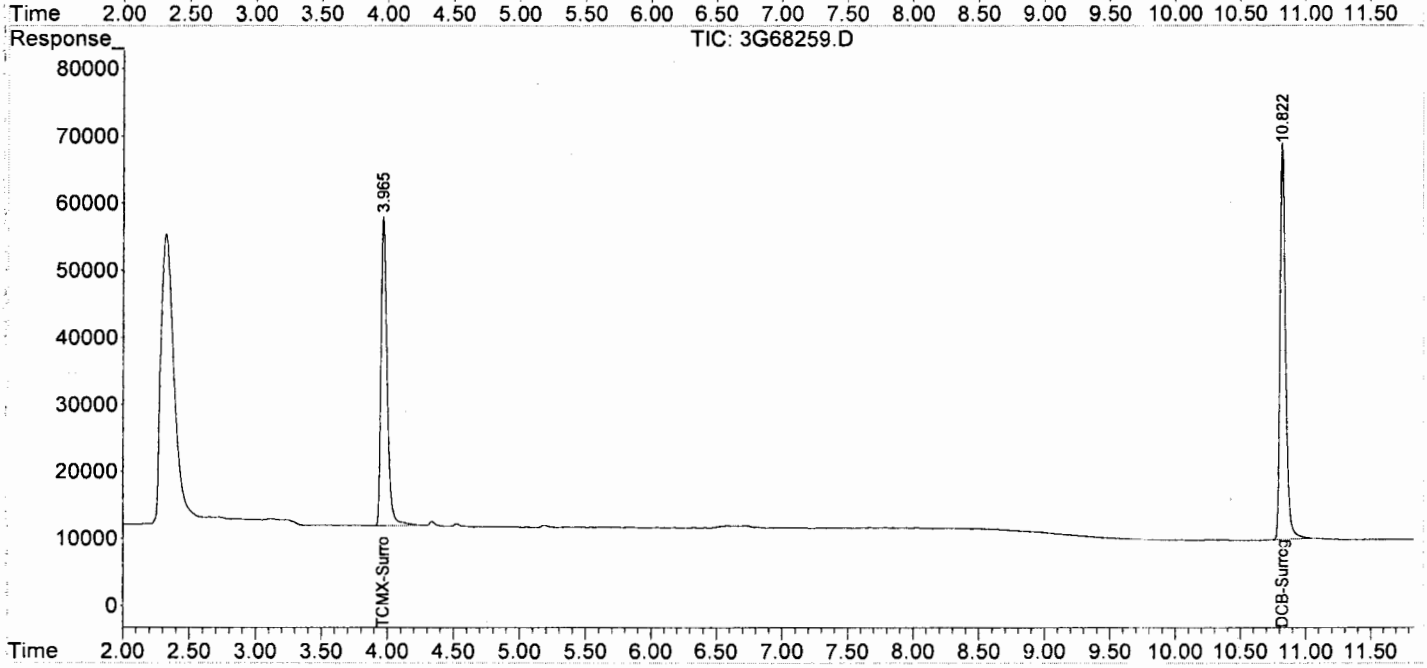
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_3\Data\07-10-12\
Data File : 3G68259.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jul 2012 18:00
Operator : MS/JP
Sample : AC66869-002
Misc : S,PCB
ALS Vial : 82 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 11 10:11:17 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0626.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Wed Jun 27 09:11:04 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Form1

ORGANICS PCB REPORT

Sample Number: AC66869-003
Client Id: RI-B2-A
Data File: 3G68260.D
Analysis Date: 07/10/12 18:16
Date Rec/Extracted: 07/02/12-07/09/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 91

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.027	U	11097-69-1	Aroclor-1254	0.027	U
11104-28-2	Aroclor-1221	0.027	U	11096-82-5	Aroclor-1260	0.027	U
11141-16-5	Aroclor-1232	0.027	U	37324-23-5	Aroclor-1262	0.027	U
53469-21-9	Aroclor-1242	0.027	U	11100-14-4	Aroclor-1268	0.027	U
12672-29-6	Aroclor-1248	0.027	U	1336-36-3	Aroclor (Total)	0.027	U

Worksheet #: 233596 ***Total Target Concentration*** 0 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration use

Quantitation Report (QT Reviewed)

2070213 0180

Data Path : G:\Gcdata\2012\GC_3\Data\07-10-12\
Data File : 3G68260.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jul 2012 18:16
Operator : MS/JP
Sample : AC66869-003
Misc : S,PCB
ALS Vial : 83 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 11 10:11:38 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0626.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Wed Jun 27 09:11:04 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	4.072	3.968	770429	1494371	96.534	91.847
45)DCB-Surrogate	10.410	10.824	1010217	1870885	105.131	99.888

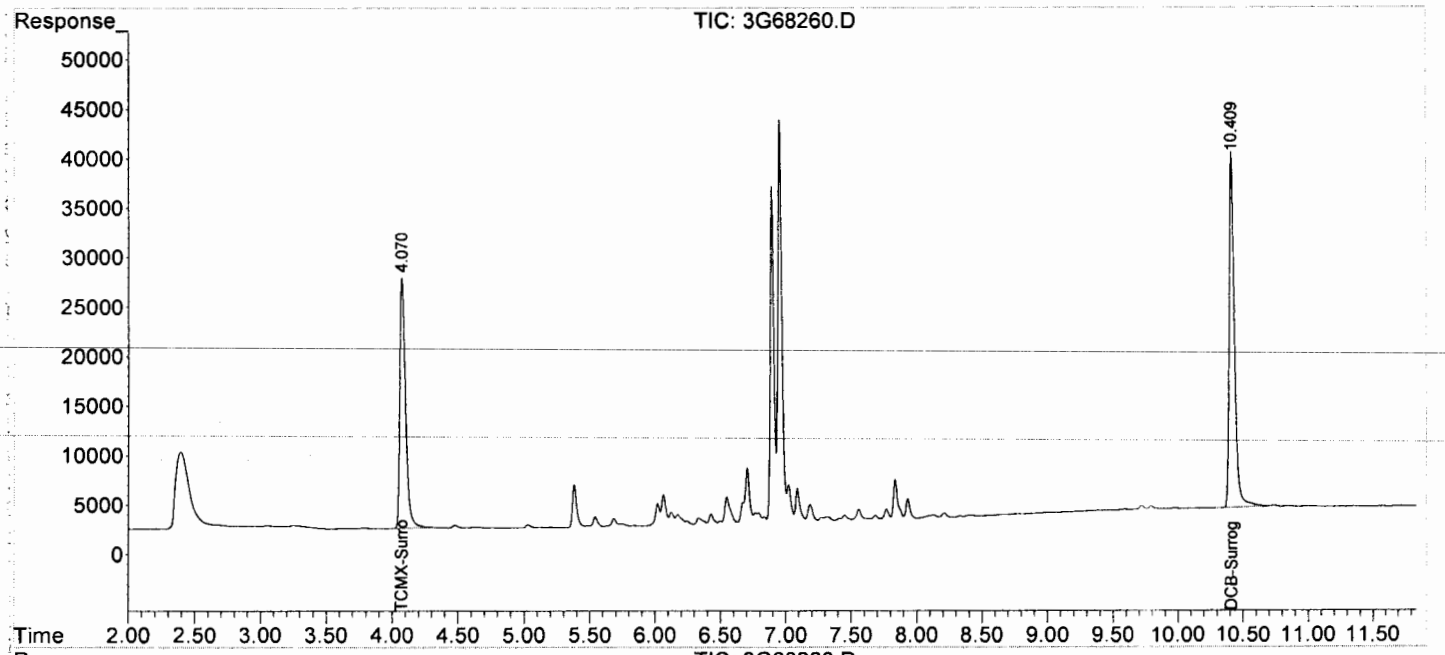
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

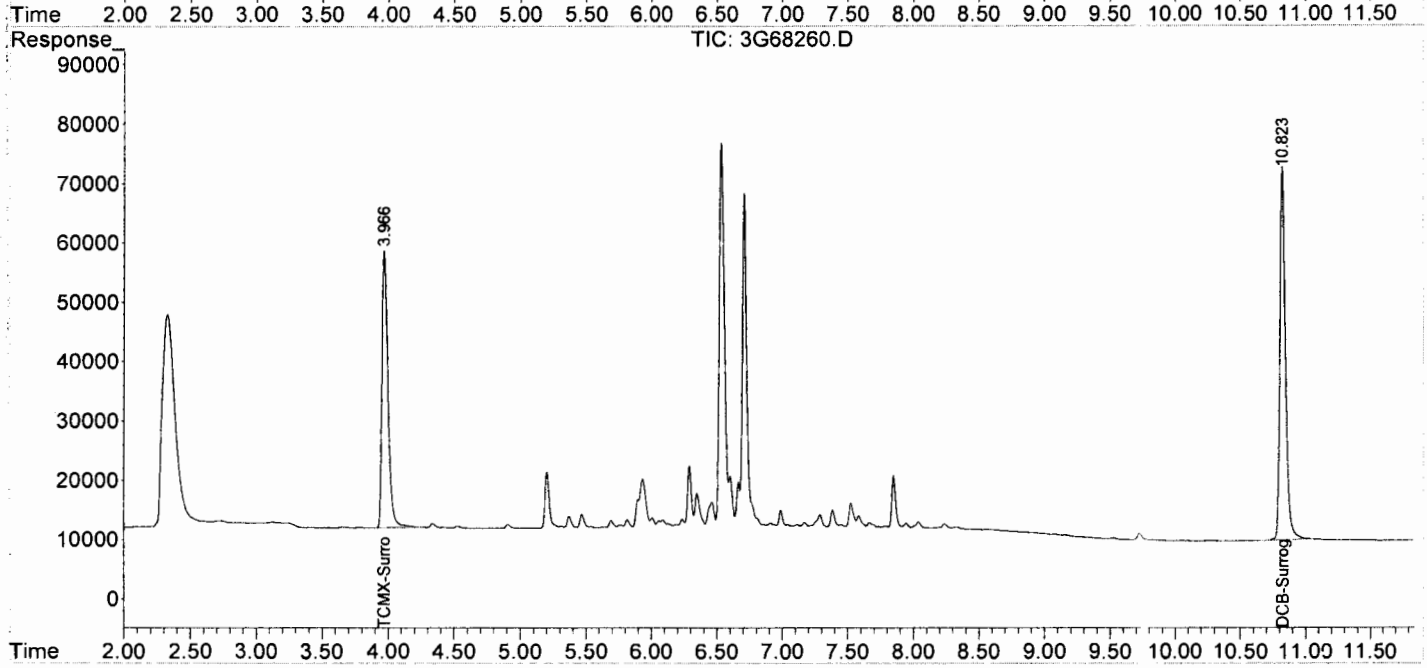
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_3\Data\07-10-12\
Data File : 3G68260.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jul 2012 18:16
Operator : MS/JP
Sample : AC66869-003
Misc : S,PCB
ALS Vial : 83 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 11 10:11:38 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0626.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Wed Jun 27 09:11:04 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Form1

ORGANICS PCB REPORT

Sample Number: AC66869-004
Client Id: RI-B2-B
Data File: 3G68261.D
Analysis Date: 07/10/12 18:31
Date Rec/Extracted: 07/02/12-07/09/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 94

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.027	U	11097-69-1	Aroclor-1254	0.027	U
11104-28-2	Aroclor-1221	0.027	U	11096-82-5	Aroclor-1260	0.027	U
11141-16-5	Aroclor-1232	0.027	U	37324-23-5	Aroclor-1262	0.027	U
53469-21-9	Aroclor-1242	0.027	U	11100-14-4	Aroclor-1268	0.027	U
12672-29-6	Aroclor-1248	0.027	U	1336-36-3	Aroclor (Total)	0.027	U

Worksheet #: 233596 ***Total Target Concentration*** 0 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_3\Data\07-10-12\
Data File : 3G68261.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jul 2012 18:31
Operator : MS/JP
Sample : AC66869-004
Misc : S,PCB
ALS Vial : 84 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 11 10:11:50 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0626.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Wed Jun 27 09:11:04 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	4.071	3.968	751357	1427003	94.145	87.706
45)DCB-Surrogate	10.411	10.823	983598	1823187	102.361	97.341

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

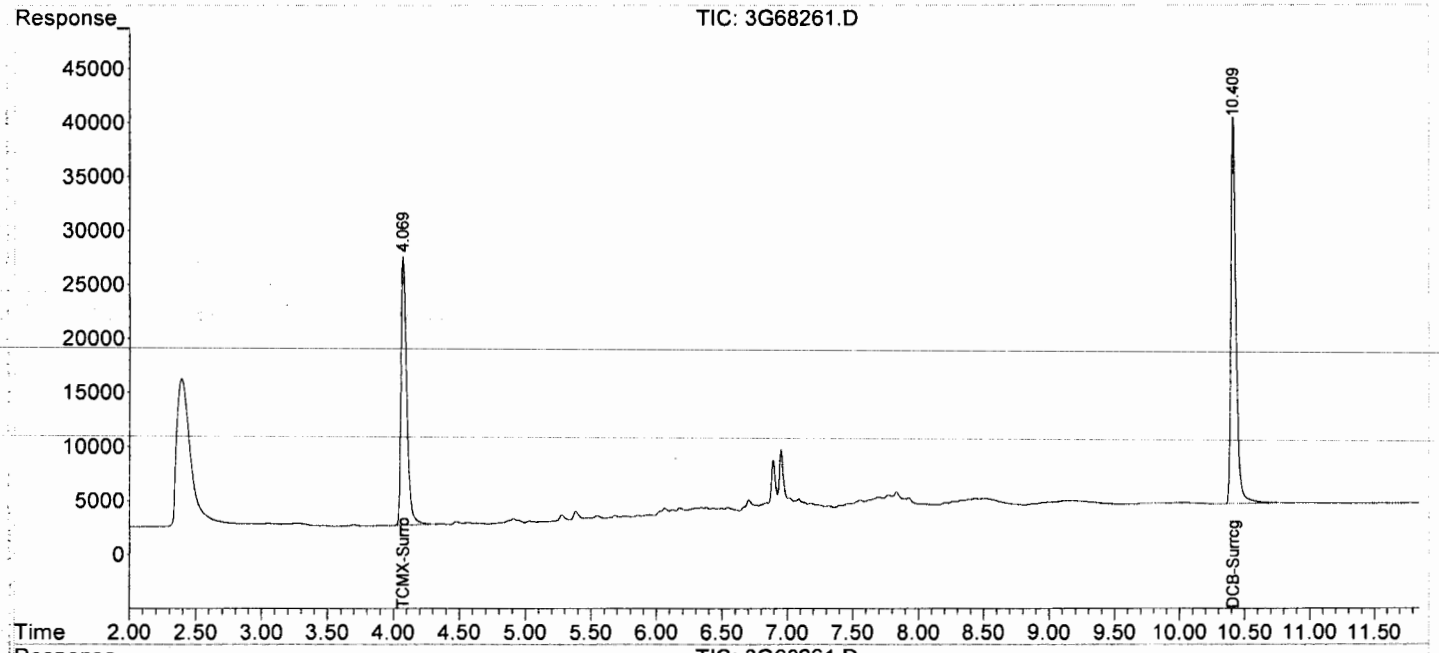
AS

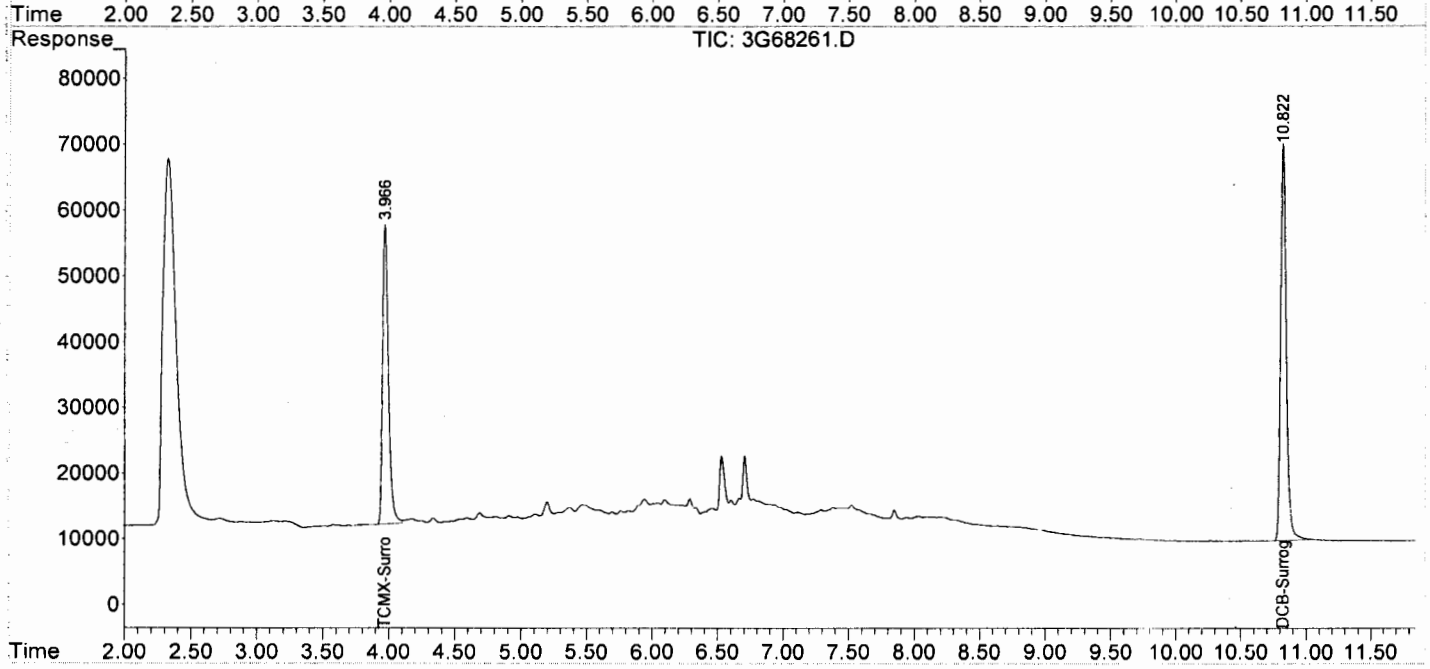
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_3\Data\07-10-12\
Data File : 3G68261.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jul 2012 18:31
Operator : MS/JP
Sample : AC66869-004
Misc : S,PCB
ALS Vial : 84 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 11 10:11:50 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0626.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Wed Jun 27 09:11:04 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Form1

ORGANICS PCB REPORT

Sample Number: AC66869-005
Client Id: RI-B3-A
Data File: 3G68262.D
Analysis Date: 07/10/12 18:47
Date Rec/Extracted: 07/02/12-07/09/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 92

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.027	U	11097-69-1	Aroclor-1254	0.027	U
11104-28-2	Aroclor-1221	0.027	U	11096-82-5	Aroclor-1260	0.027	U
11141-16-5	Aroclor-1232	0.027	U	37324-23-5	Aroclor-1262	0.027	U
53469-21-9	Aroclor-1242	0.027	U	11100-14-4	Aroclor-1268	0.027	U
12672-29-6	Aroclor-1248	0.027	U	1336-36-3	Aroclor (Total)	0.027	U

Worksheet #: 233596 ***Total Target Concentration*** 0 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_3\Data\07-10-12\
Data File : 3G68262.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jul 2012 18:47
Operator : MS/JP
Sample : AC66869-005
Misc : S,PCB
ALS Vial : 85 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 11 10:12:00 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0626.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Wed Jun 27 09:11:04 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	4.071	3.967	959405	1832982	120.213	112.658
45)DCB-Surrogate	10.410	10.823	1156432	2117619	120.348	113.061

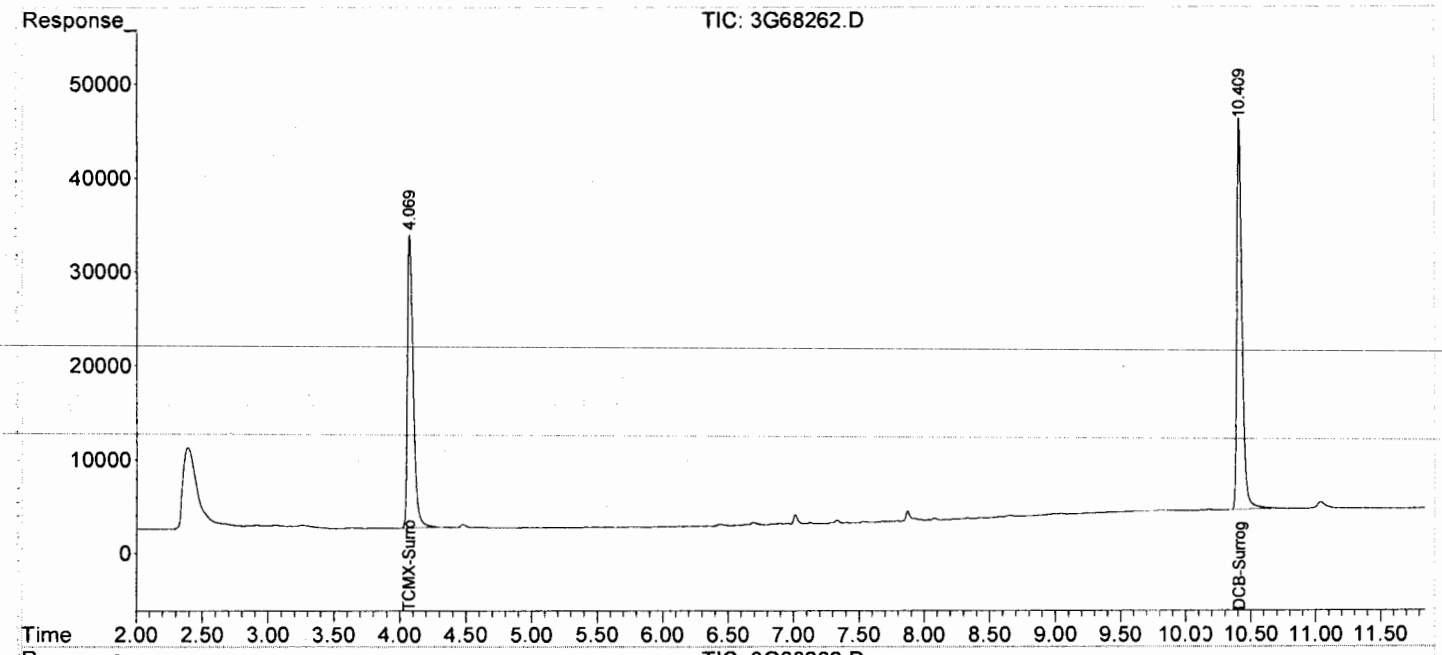
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

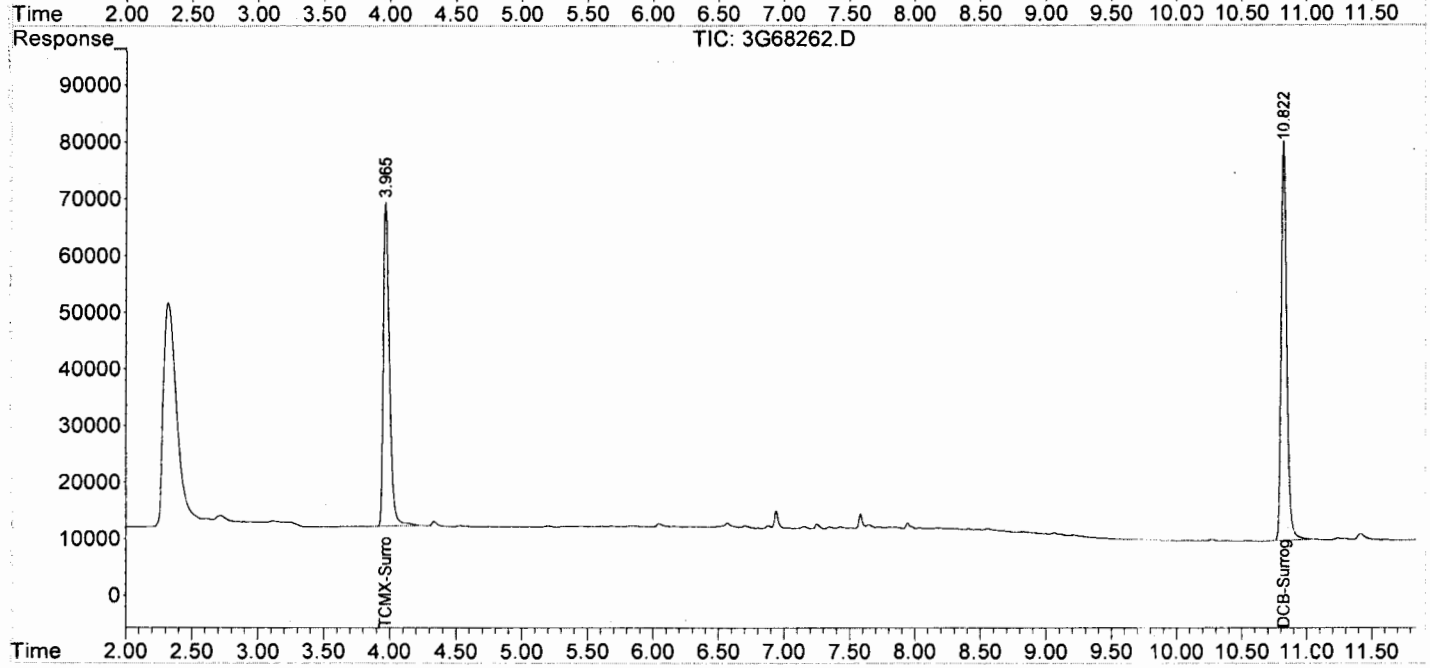
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_3\Data\07-10-12\
Data File : 3G68262.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jul 2012 18:47
Operator : MS/JP
Sample : AC66869-005
Misc : S,PCB
ALS Vial : 85 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 11 10:12:00 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0626.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Wed Jun 27 09:11:04 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Form1

ORGANICS PCB REPORT

Sample Number: AC66869-006
Client Id: RI-B3-B
Data File: 3G68263.D
Analysis Date: 07/10/12 19:03
Date Rec/Extracted: 07/02/12-07/09/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 90

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.028	U	**11097-69-1**	**(^)Aroclor-1254**	**0.028**	**0.086**
11104-28-2	Aroclor-1221	0.028	U	11096-82-5	Aroclor-1260	0.028	U
11141-16-5	Aroclor-1232	0.028	U	37324-23-5	Aroclor-1262	0.028	U
53469-21-9	Aroclor-1242	0.028	U	11100-14-4	Aroclor-1268	0.028	U
12672-29-6	Aroclor-1248	0.028	U	**1336-36-3**	**Aroclor (Total)**	**0.028**	**0.086**

Worksheet #: 233596

Total Target Concentration 0.086

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usee

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_3\Data\07-10-12\
Data File : 3G68263.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jul 2012 19:03
Operator : MS/JP
Sample : AC66869-006
Misc : S,PCB
ALS Vial : 86 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 11 10:12:38 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0626.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Wed Jun 27 09:11:04 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	4.070	3.966	862907	1610284	108.122	98.971
30)Aroclor-1254 {1}	6.914	6.545	33692	177325	179.998	176.295
32)Aroclor-1254 {3}	7.288	7.275	59778	142543	171.974	145.514m
33)Aroclor-1254 {4}	7.399	7.799	53855	64034	103.432m	140.244 #
45)DCB-Surrogate	10.410	10.823	1047633	1878498	109.025	100.294

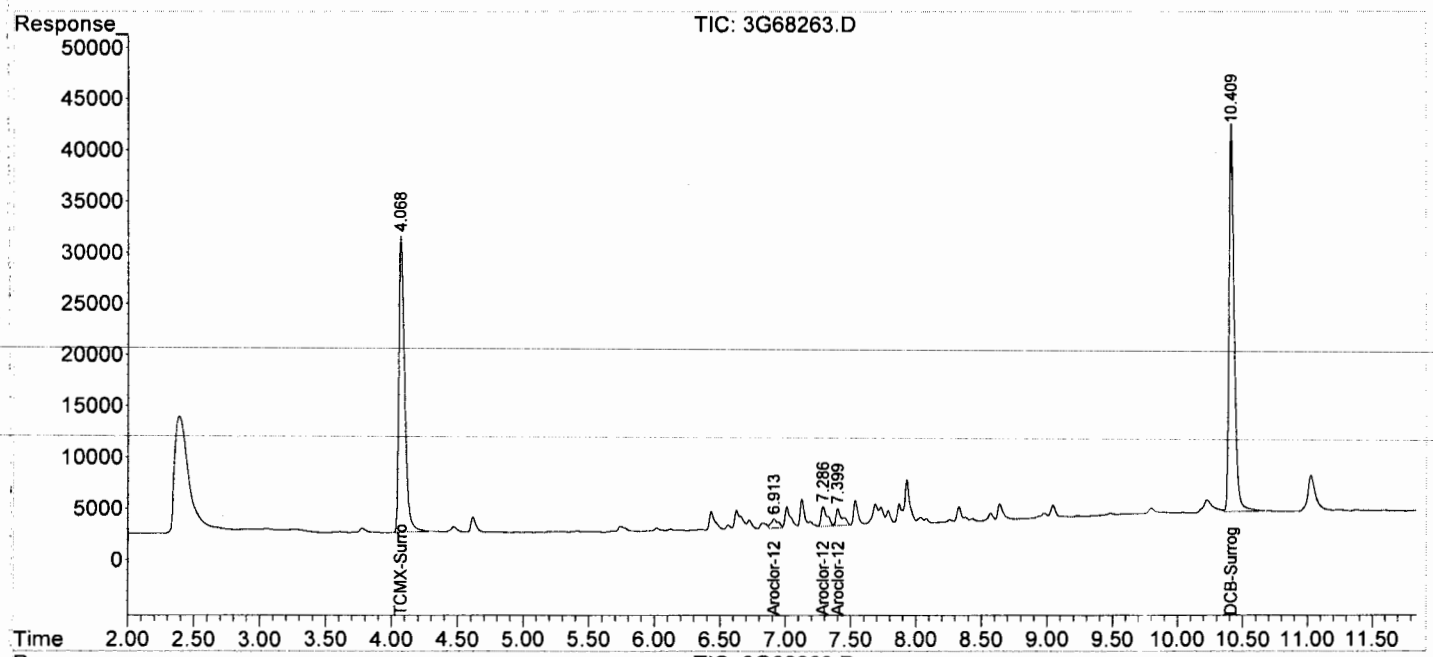
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

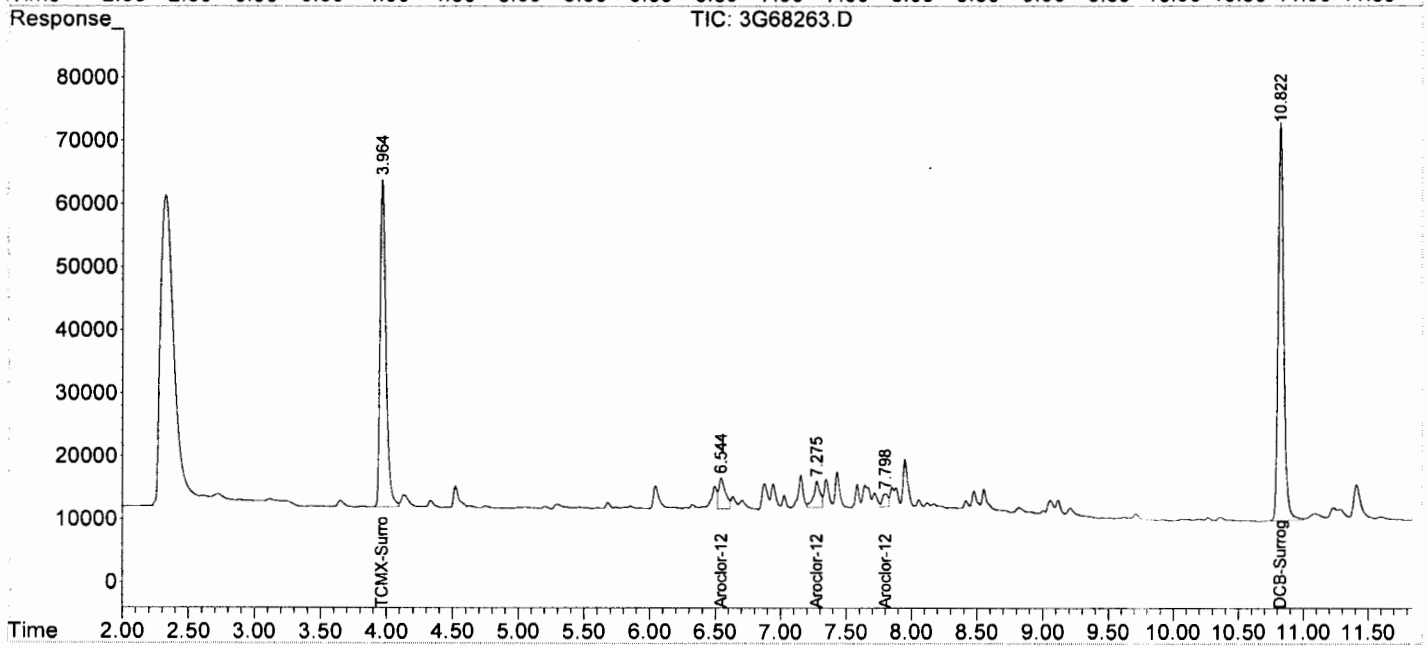
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_3\Data\07-10-12\
Data File : 3G68263.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jul 2012 19:03
Operator : MS/JP
Sample : AC66869-006
Misc : S,PCB
ALS Vial : 86 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 11 10:12:38 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0626.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Wed Jun 27 09:11:04 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Form1

ORGANICS PCB REPORT

Sample Number: AC66869-007
Client Id: RI-B2-C
Data File: 3G68264.D
Analysis Date: 07/10/12 19:19
Date Rec/Extracted: 07/02/12-07/09/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 94

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.027	U	11097-69-1	Aroclor-1254	0.027	U
11104-28-2	Aroclor-1221	0.027	U	11096-82-5	Aroclor-1260	0.027	U
11141-16-5	Aroclor-1232	0.027	U	37324-23-5	Aroclor-1262	0.027	U
53469-21-9	Aroclor-1242	0.027	U	11100-14-4	Aroclor-1268	0.027	U
12672-29-6	Aroclor-1248	0.027	U	1336-36-3	Aroclor (Total)	0.027	U

Worksheet #: 233596 ***Total Target Concentration*** 0 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration use

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_3\Data\07-10-12\
Data File : 3G68264.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jul 2012 19:19
Operator : MS/JP
Sample : AC66869-007
Misc : S,PCB
ALS Vial : 87 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 11 10:13:14 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0626.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Wed Jun 27 09:11:04 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	4.070	3.967	796294	1478294	99.775	90.858
45)DCB-Surrogate	10.409	10.824	971040	1845640	101.054m	98.540

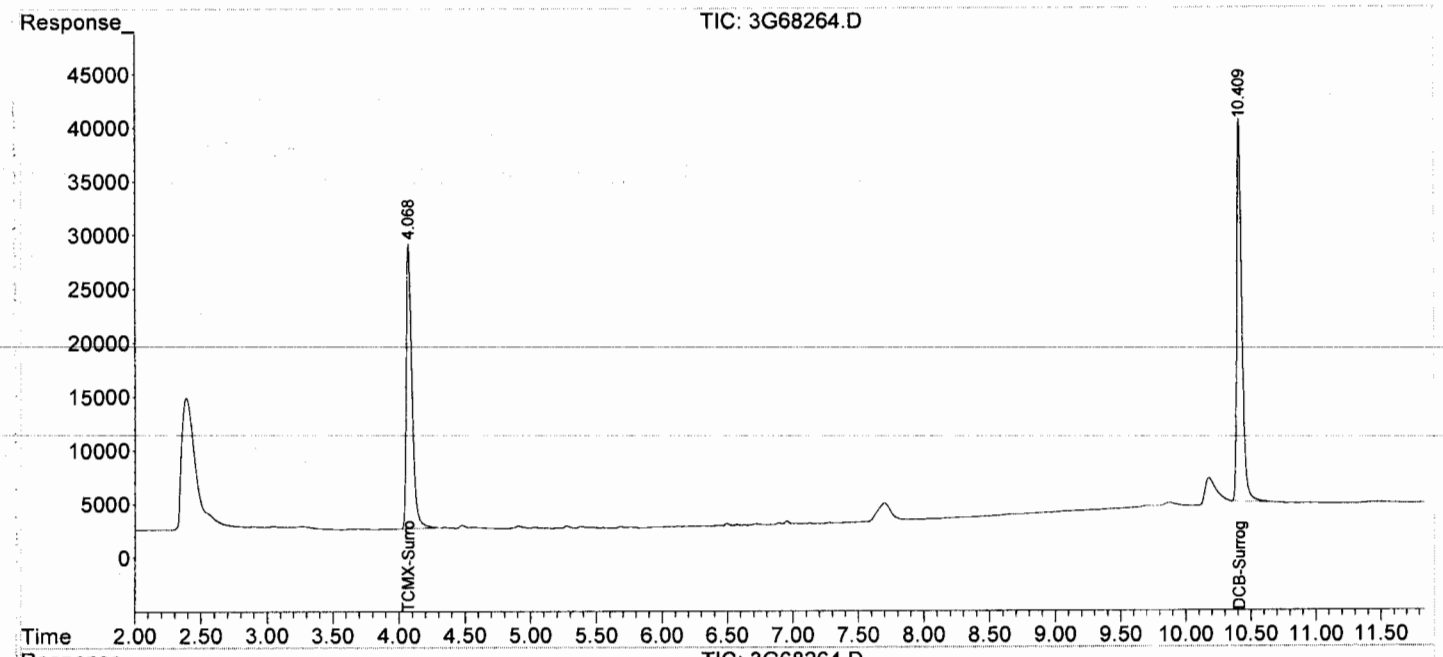
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

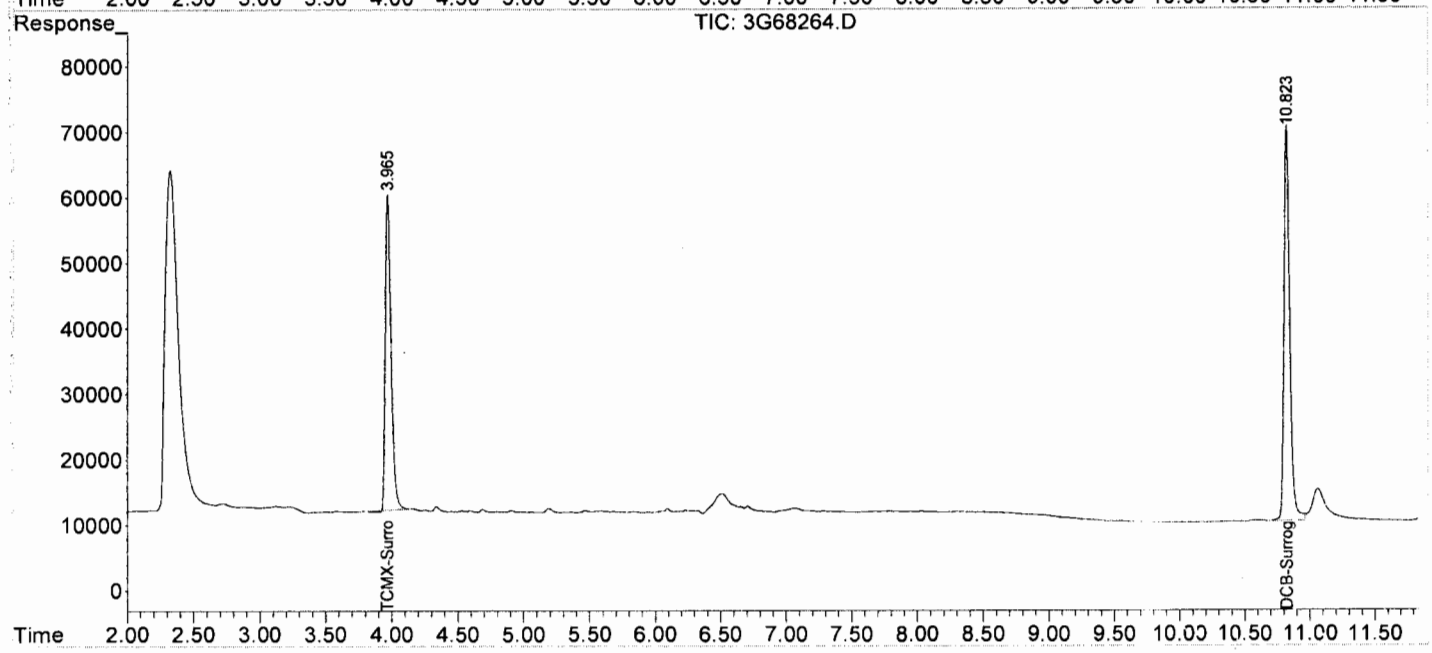
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_3\Data\07-10-12\
Data File : 3G68264.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jul 2012 19:19
Operator : MS/JP
Sample : AC66869-007
Misc : S,PCB
ALS Vial : 87 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 11 10:13:14 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0626.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Wed Jun 27 09:11:04 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Form1

ORGANICS PCB REPORT

Sample Number: AC66869-008
Client Id: RI-B3-A (DUP)
Data File: 3G68265.D
Analysis Date: 07/10/12 19:35
Date Rec/Extracted: 07/02/12-07/09/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 91

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.027	U	11097-69-1	Aroclor-1254	0.027	U
11104-28-2	Aroclor-1221	0.027	U	11096-82-5	Aroclor-1260	0.027	U
11141-16-5	Aroclor-1232	0.027	U	37324-23-5	Aroclor-1262	0.027	U
53469-21-9	Aroclor-1242	0.027	U	11100-14-4	Aroclor-1268	0.027	U
12672-29-6	Aroclor-1248	0.027	U	1336-36-3	Aroclor (Total)	0.027	U

Worksheet #: 233596 ***Total Target Concentration*** 0 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration use

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_3\Data\07-10-12\
Data File : 3G68265.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jul 2012 19:35
Operator : MS/JP
Sample : AC66869-008
Misc : S,PCB
ALS Vial : 88 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 11 10:14:25 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0626.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Wed Jun 27 09:11:04 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

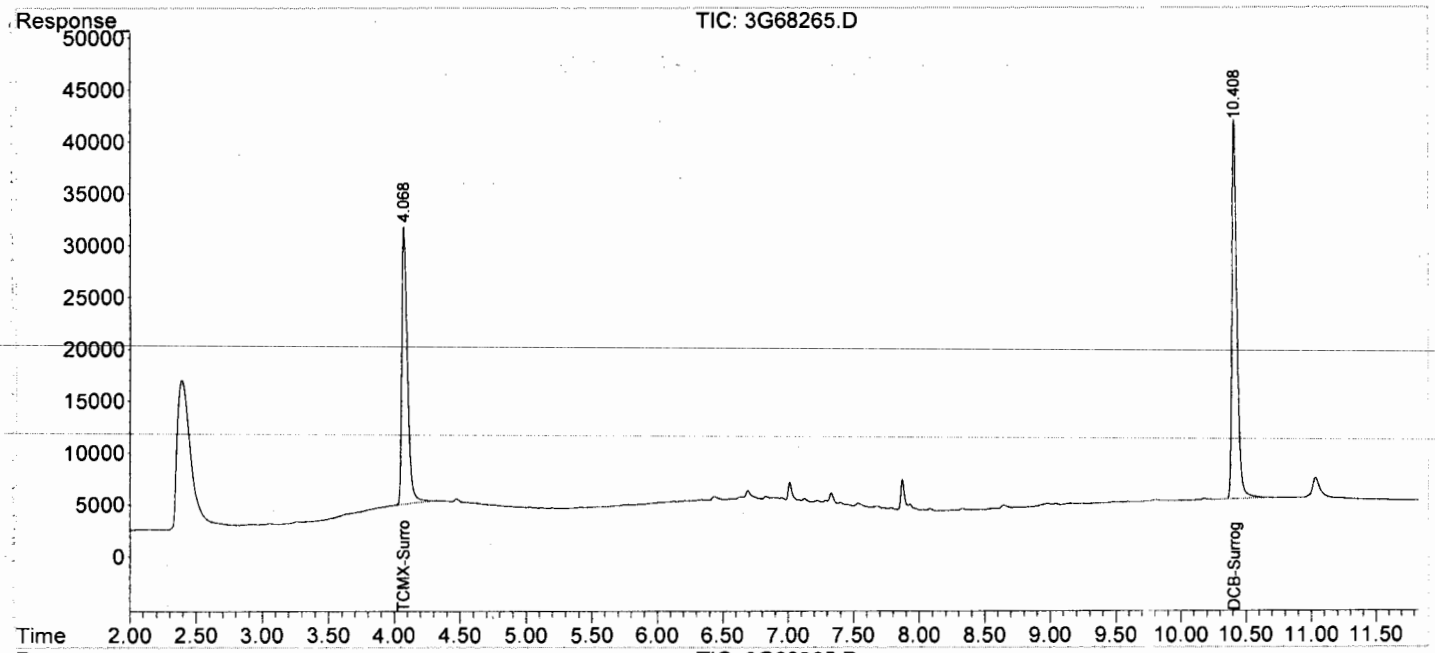
Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	4.068	3.964	812033	1489146	101.747m	91.525m
45)DCB-Surrogate	10.410	10.823	979915	1898629	101.978	101.369

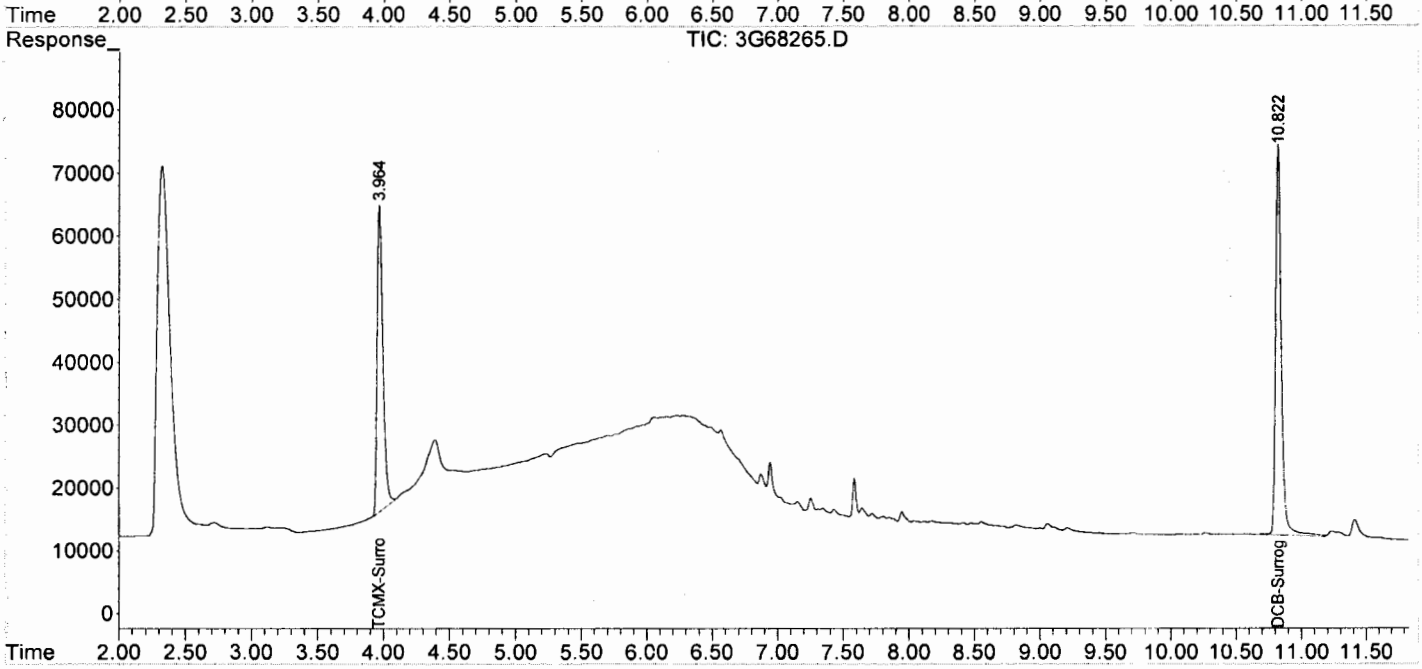
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2012\GC_3\Data\07-10-12\
Data File : 3G68265.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jul 2012 19:35
Operator : MS/JP
Sample : AC66869-008
Misc : S,PCB
ALS Vial : 88 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 11 10:14:25 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0626.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Wed Jun 27 09:11:04 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Form1

ORGANICS PCB REPORT

Sample Number: SMB14777
Client Id:
Data File: 3G68254.D
Analysis Date: 07/10/12 16:40
Date Rec/Extracted: NA-07/09/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.025	U	11097-69-1	Aroclor-1254	0.025	U
11104-28-2	Aroclor-1221	0.025	U	11096-82-5	Aroclor-1260	0.025	U
11141-16-5	Aroclor-1232	0.025	U	37324-23-5	Aroclor-1262	0.025	U
53469-21-9	Aroclor-1242	0.025	U	11100-14-4	Aroclor-1268	0.025	U
12672-29-6	Aroclor-1248	0.025	U				

Worksheet #: 233596

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

2070213 0198

Data Path : G:\Gcdata\2012\GC_3\Data\07-10-12\
Data File : 3G68254.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jul 2012 16:40
Operator : MS/JP
Sample : SMB14777
Misc : S,PCB
ALS Vial : 77 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 11 09:49:19 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0626.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Wed Jun 27 09:11:04 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	4.069	3.966	801419	1544209	100.417	94.910
45)DCB-Surrogate	10.410	10.825	976511	1808524	101.624	96.558

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

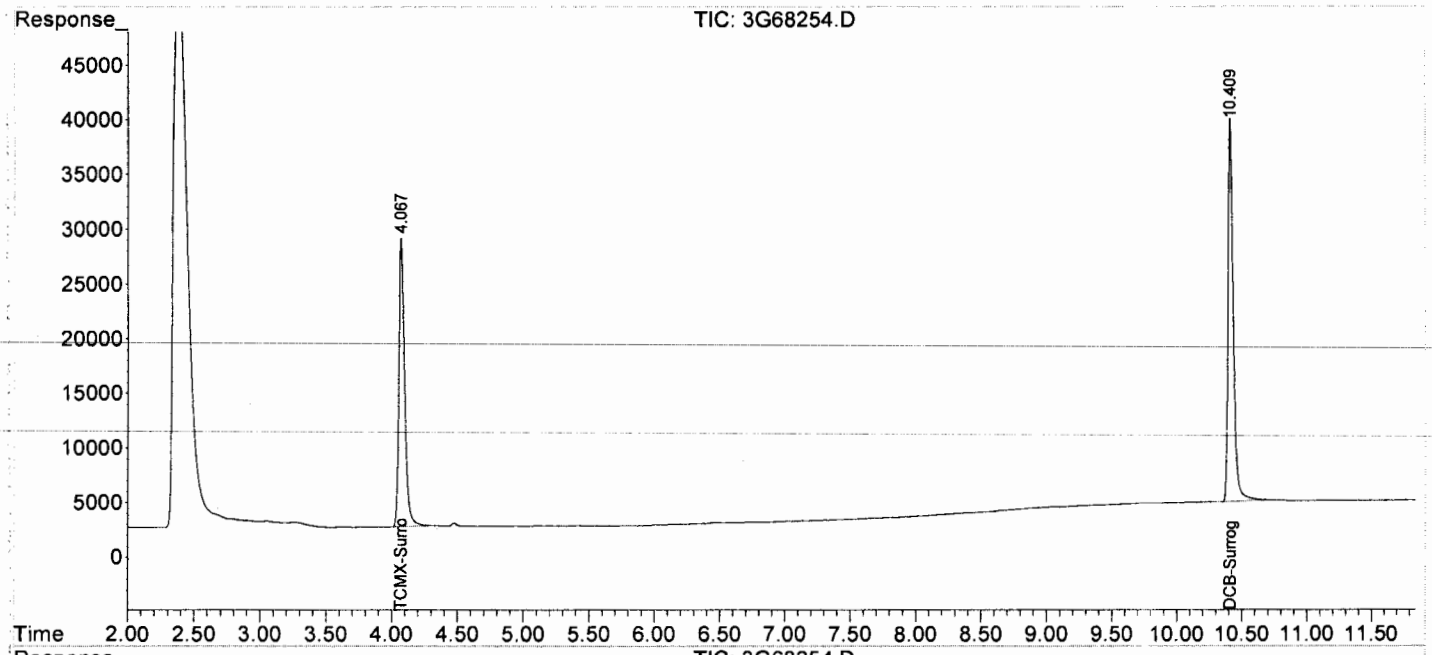
MS

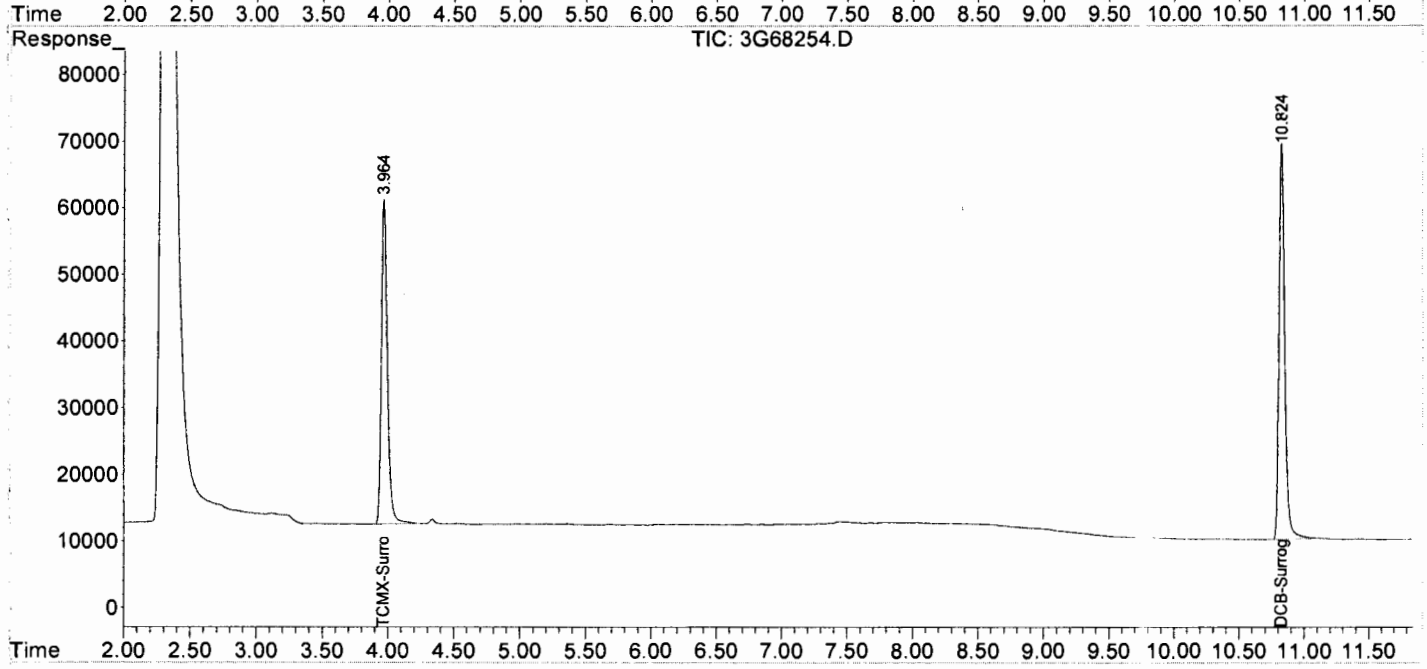
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_3\Data\07-10-12\
Data File : 3G68254.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jul 2012 16:40
Operator : MS/JP
Sample : SMB14777
Misc : S,PCB
ALS Vial : 77 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 11 09:49:19 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0626.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Wed Jun 27 09:11:04 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





FORM2

Surrogate Recovery

Method: EPA 8082

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column2 S2 Recov	Column1 S3 Recov	Column2 S4 Recov	Column0 S5 Recov	Column0 S6 Recov
3G68254.D	SMB14777	Soil	07/10/12 16:40	1		100	95	102	97		
3G68256.D	AC66869-001	Soil	07/10/12 17:12	1		101	96	104	97		
3G68259.D	AC66869-002	Soil	07/10/12 18:00	1		96	91	100	95		
3G68260.D	AC66869-003	Soil	07/10/12 18:16	1		97	92	105	100		
3G68261.D	AC66869-004	Soil	07/10/12 18:31	1		94	88	102	97		
3G68262.D	AC66869-005	Soil	07/10/12 18:47	1		120	113	120	113		
3G68263.D	AC66869-006	Soil	07/10/12 19:03	1		108	99	109	100		
3G68264.D	AC66869-007	Soil	07/10/12 19:19	1		100	91	101	99		
3G68265.D	AC66869-008	Soil	07/10/12 19:35	1		102	92	102	101		
3G68255.D	SMB14777(M	Soil	07/10/12 16:56	1		98	93	104	99		
3G68257.D	AC66869-001(	Soil	07/10/12 17:28	1		100	96	104	98		
3G68258.D	AC66869-001(	Soil	07/10/12 17:44	1		97	92	102	96		

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: EPA 8082

Soil Limits

Compound	Spike Amt	Limits
S1=TCMX-Surrogate	100	37-141
S2=TCMX-Surrogate	100	37-141
S3=DCB-Surrogate	100	34-146
S4=DCB-Surrogate	100	34-146

Form3
Recovery Data
QC Batch: SMB14777

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3G68255.D	SMB14777(MS)	7/10/2012 4:56:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8082 Matrix: Soil QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Aroclor-1016 -Total	1	908.712	0	1000	91	30	163
Aroclor-1260 -Total	1	1050.368	0	1000	105	25	166

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: SMB14777

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3G68257.D	AC66869-001(MS)	7/10/2012 5:28:00 PM
Non Spike(If applicable):	3G68256.D	AC66869-001	7/10/2012 5:12:00 PM
Inst Blank(If applicable):			

Method: 8082 Matrix: Soil QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Aroclor-1016 -Total	1	1022.92	0	1000	102	30	163
Aroclor-1260 -Total	1	1180.634	109.1733	1000	107	25	166

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3G68258.D	AC66869-001(MSD)	7/10/2012 5:44:00 PM
Non Spike(If applicable):	3G68256.D	AC66869-001	7/10/2012 5:12:00 PM
Inst Blank(If applicable):			

Method: 8082 Matrix: Soil QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Aroclor-1016 -Total	1	988.69	0	1000	99	30	163
Aroclor-1260 -Total	1	1162.3	109.1733	1000	105	25	166

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
RPD DATA
QC Batch: SMB14777

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3G68258.D	AC66869-001(MSD)	7/10/2012 5:44:00 PM
Duplicate(If applicable):	3G68257.D	AC66869-001(MS)	7/10/2012 5:28:00 PM
Inst Blank(If applicable):			

Method: 8082 Matrix: Soil QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Aroclor-1016 -Total	1	988.69	1022.92	3.4	40
Aroclor-1260 -Total	1	1162.3	1180.634	1.6	37

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

FORM 4
Blank Summary

Blank Number: SMB14777
Blank Data File: 3G68254.D
Matrix: Soil

Blank Analysis Date: 07/10/12 16:40
Blank Extraction Date: 07/09/12
(If Applicable)
Method: EPA 8082

Sample Number	Data File	Analysis Date
AC66869-001	3G68256.D	07/10/12 17:12
AC66869-002	3G68259.D	07/10/12 18:00
AC66869-003	3G68260.D	07/10/12 18:16
AC66869-004	3G68261.D	07/10/12 18:31
AC66869-005	3G68262.D	07/10/12 18:47
AC66869-006	3G68263.D	07/10/12 19:03
AC66869-007	3G68264.D	07/10/12 19:19
AC66869-008	3G68265.D	07/10/12 19:35
AC66869-001(MSD	3G68258.D	07/10/12 17:44
AC66869-001(MS)	3G68257.D	07/10/12 17:28
SMB14777(MS)	3G68255.D	07/10/12 16:56

Form 5

Method: EPA 8082

Instrument: GC_3 Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Data File	Sample#	Analysis Date/Time	Matrix	Reference File	Column 1 RT	Column 1 % Drift	Column 2 RT	Column 2 % Drift
3G67660.D	CAL 1660@50PPB	06/26/12 16:27	Aqueous	3G67660.	10.4215	0	10.8259	0
3G67661.D	CAL 1660@200PPB	06/26/12 16:42	Aqueous	3G67660.	10.4212	0.0029	10.8271	0.0111
3G67662.D	CAL 1660@500PPB	06/26/12 16:58	Aqueous	3G67660.	10.4227	0.0115	10.8284	0.0231
3G67663.D	CAL 1660@1000PPB	06/26/12 17:14	Aqueous	3G67660.	10.4228	0.0125	10.8267	0.0074
3G67664.D	CAL 1660@2000PPB	06/26/12 17:30	Aqueous	3G67660.	10.4228	0.0125	10.8276	0.0157
3G67665.D	CAL 1660@4000PPB	06/26/12 17:46	Aqueous	3G67660.	10.4215	0	10.8277	0.0166
3G67666.D	CAL 3268@500PPB	06/26/12 18:02	Aqueous	3G67660.	10.4227	0.0115	10.8272	0.012
3G67667.D	CAL 1242@500PPB	06/26/12 18:18	Aqueous	3G67660.	10.4218	0.0029	10.8279	0.0185
3G67668.D	CAL 1248@500PPB	06/26/12 18:33	Aqueous	3G67660.	10.4218	0.0029	10.8285	0.024
3G67669.D	CAL 2154@500PPB	06/26/12 18:49	Aqueous	3G67660.	10.4224	0.0086	10.8275	0.0148
3G67670.D	CAL 1262@500PPB	06/26/12 19:05	Aqueous	3G67660.	10.4219	0.0038	10.8296	0.0342
3G67671.D	ICV	06/26/12 19:21	Aqueous	3G67660.	10.4222	0.0067	10.8288	0.0268
3G67672.D	CAL 1660@1000PPB	06/26/12 19:36	Aqueous	3G67660.	10.4211	0.0038	10.8292	0.0305
3G67673.D	SMB14655	06/26/12 19:52	Soil	3G67672.	10.4213	0.0019	10.8289	0.0028
3G67674.D	SMB14655(MS)	06/26/12 20:08	Soil	3G67672.	10.4219	0.0077	10.8299	0.0065
3G67675.D	SMB14656	06/26/12 20:23	Soil	3G67672.	10.4218	0.0067	10.8276	0.0148
3G67676.D	SMB14656(MS)	06/26/12 20:39	Soil	3G67672.	10.4221	0.0096	10.8292	0
3G67677.D	AC66641-014(MS)	06/26/12 20:55	Soil	3G67672.	10.4220	0.0086	10.8298	0.0055
3G67678.D	AC66641-014(MSD)	06/26/12 21:11	Soil	3G67672.	10.4217	0.0058	10.8291	0.0009
3G67679.D	AC66584-001	06/26/12 21:26	Soil	3G67672.	10.4226	0.0144	10.8306	0.0129
3G67680.D	AC66584-002	06/26/12 21:42	Soil	3G67672.	10.4243	0.0307	10.8319	0.0249
3G67681.D	AC66584-003	06/26/12 21:57	Soil	3G67672.	10.4238	0.0259	10.8314	0.0203
3G67682.D	AC66584-004	06/26/12 22:13	Soil	3G67672.	10.4263	0.0499	10.8342	0.0462
3G67683.D	AC66584-005	06/26/12 22:29	Soil	3G67672.	10.4247	0.0345	10.8325	0.0305
3G67684.D	AC66589-003	06/26/12 22:45	Soil	3G67672.	10.4270	0.0566	10.8343	0.0471
3G67685.D	AC66589-004	06/26/12 23:00	Soil	3G67672.	10.4278	0.0643	10.8342	0.0462
3G67686.D	AC66589-005	06/26/12 23:16	Soil	3G67672.	10.4246	0.0336	10.8325	0.0305
3G67687.D	CAL 1660@1000PPB	06/26/12 23:32	Soil	3G67672.	10.4261	0.048	10.8334	0.0388
3G67688.D	2000PPB	06/26/12 23:47	Soil	3G67687.	10.4248	0.0125	10.8325	0.0083
3G67689.D	AC66589-006	06/27/12 00:03	Soil	3G67687.	10.4292	0.0297	10.8360	0.024
3G67690.D	AC66589-007	06/27/12 00:19	Soil	3G67687.	10.4241	0.0192	10.8319	0.0138
3G67691.D	AC66621-002	06/27/12 00:35	Soil	3G67687.	10.4251	0.0096	10.8339	0.0046
3G67692.D	AC66621-005	06/27/12 00:50	Soil	3G67687.	10.4260	0.001	10.8346	0.0111
3G67693.D	AC66621-007	06/27/12 01:06	Soil	3G67687.	10.4255	0.0058	10.8332	0.0018
3G67694.D	AC66621-009	06/27/12 01:22	Soil	3G67687.	10.4259	0.0019	10.8321	0.012
3G67695.D	AC66621-010	06/27/12 01:38	Soil	3G67687.	10.4258	0.0029	10.8335	0.0009
3G67696.D	AC66641-002	06/27/12 01:53	Soil	3G67687.	10.4260	0.001	10.8332	0.0018
3G67697.D	AC66641-011	06/27/12 02:09	Soil	3G67687.	10.4268	0.0067	10.8340	0.0055
3G67698.D	AC66641-014	06/27/12 02:25	Soil	3G67687.	10.4263	0.0019	10.8340	0.0055
3G67699.D	AC66679-001	06/27/12 02:40	Soil	3G67687.	10.4250	0.0105	10.8326	0.0074
3G67700.D	CAL 1660@1000PPB	06/27/12 02:56	Soil	3G67687.	10.4270	0.0086	10.8340	0.0055
3G67701.D	2000PPB	06/27/12 03:12	Soil	3G67700.	10.4269	0.001	10.8343	0.0028

Drift Compound: DCB-Surrogate Drift Limit(s): 0.5 (Pest/Pcb) 1.5(Herb/Tph) * - Values outside of limits for this column/run

Form 5

Method: EPA 8082

Instrument: GC_3 Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Data File	Sample#	Analysis Date/Time	Matrix	Reference File	Column 1 RT	Column 1 % Drift	Column 2 RT	Column 2 % Drift
3G68211.D	BLK	07/10/12 04:31	Soil					
3G68212.D	BLK	07/10/12 04:47	Soil					
3G68213.D	BLK	07/10/12 05:03	Soil					
3G68214.D	CAL 1660@1000PPB	07/10/12 05:18	Soil	3G68214.	10.4139	0	10.8257	0
3G68215.D	CAL 1660@2000PPB	07/10/12 05:34	Soil	3G68214.	10.4131	0.0077	10.8250	0.0065
3G68216.D	SMB14772(MS)	07/10/12 05:50	Soil	3G68214.	10.4134	0.0048	10.8244	0.012
3G68217.D	SMB14772	07/10/12 06:05	Soil	3G68214.	10.4115	0.0231	10.8238	0.0175
3G68218.D	SMB14771	07/10/12 06:21	Soil	3G68214.	10.4121	0.0173	10.8248	0.0083
3G68219.D	SMB14771(MS)	07/10/12 06:37	Soil	3G68214.	10.4129	0.0096	10.8242	0.0139
3G68220.D	AC66897-009(MS)	07/10/12 06:52	Soil	3G68214.	10.4121	0.0173	10.8237	0.0185
3G68221.D	AC66897-009(MSD)	07/10/12 07:08	Soil	3G68214.	10.4113	0.025	10.8241	0.0148
3G68222.D	AC66897-001	07/10/12 07:24	Soil	3G68214.	10.4163	0.023	10.8268	0.0102
3G68223.D	AC66897-003	07/10/12 07:39	Soil	3G68214.	10.4212	0.0701	10.8306	0.0453
3G68224.D	AC66897-009	07/10/12 07:55	Soil	3G68214.	10.4119	0.0192	10.8244	0.012
3G68225.D	AC66897-015	07/10/12 08:10	Soil	3G68214.	10.4170	0.0298	10.8272	0.0139
3G68226.D	AC66897-016	07/10/12 08:26	Soil	3G68214.	10.4139	0	10.8258	0.0009
3G68227.D	AC66897-018	07/10/12 08:41	Soil	3G68214.	10.4125	0.0134	10.8243	0.0129
3G68228.D	AC66897-020	07/10/12 08:56	Soil	3G68214.	10.4176	0.0355	10.8281	0.0222
3G68229.D	AC66897-021	07/10/12 09:13	Soil	3G68214.	10.4170	0.0298	10.8275	0.0166
3G68230.D	AC66897-024	07/10/12 09:28	Soil	3G68214.	10.4144	0.0048	10.8268	0.0102
3G68231.D	AC66897-027	07/10/12 09:44	Soil	3G68214.	10.4141	0.0019	10.8245	0.0111
3G68232.D	AC66897-028	07/10/12 09:59	Soil	3G68214.	10.4144	0.0048	10.8258	0.0009
3G68233.D	AC66897-029	07/10/12 10:15	Soil	3G68214.	10.4141	0.0019	10.8271	0.0129
3G68234.D	AC66897-030	07/10/12 10:30	Soil	3G68214.	10.4146	0.0067	10.8283	0.024
3G68235.D	AC66897-031	07/10/12 10:45	Soil	3G68214.	10.4136	0.0029	10.8272	0.0139
3G68236.D	CAL 1660@1000PPB	07/10/12 11:01	Soil	3G68214.	10.4147	0.0077	10.8283	0.024
3G68237.D	AC66871-001	07/10/12 11:16	Aqueous	3G68236.	10.4171	0.023	10.8272	0.0102
3G68238.D	AC66882-002	07/10/12 11:40	Soil	3G68236.	10.4248	0.0969	10.8327	0.0406
3G68239.D	AC66882-002(2X)	07/10/12 12:16	Soil	3G68236.	10.4250	0.0989	10.8313	0.0277
3G68240.D	AC66897-032	07/10/12 12:32	Soil	3G68236.	10.4178	0.0298	10.8286	0.0028
3G68241.D	AC66897-033	07/10/12 12:47	Soil	3G68236.	10.4181	0.0326	10.8312	0.0268
3G68242.D	AC66897-034	07/10/12 13:02	Soil	3G68236.	10.4158	0.0106	10.8296	0.012
3G68243.D	AC66897-035	07/10/12 13:18	Soil	3G68236.	10.4158	0.0106	10.8292	0.0083
3G68244.D	AC66882-004(2X)(R)	07/10/12 13:33	Soil	3G68236.	10.4194	0.0451	10.8307	0.0222
3G68245.D	AC66897-037	07/10/12 13:48	Soil	3G68236.	10.4165	0.0173	10.8301	0.0166
3G68246.D	CAL 1660@1000PPB	07/10/12 14:03	Soil	3G68236.	10.4177	0.0288	10.8304	0.0194
3G68247.D	AC66897-038	07/10/12 14:34	Soil	3G68246.	10.4131	0.0442	10.8232	0.0665
3G68248.D	AC66897-036	07/10/12 14:49	Soil	3G68246.	10.4262	0.0816	10.8355	0.0471
3G68249.D	AC66897-005	07/10/12 15:05	Soil	3G68246.	10.4259	0.0787	10.8351	0.0434
3G68250.D	AC66897-007	07/10/12 15:20	Soil	3G68246.	10.4263	0.0825	10.8345	0.0378
3G68251.D	AC66897-010	07/10/12 15:36	Soil	3G68246.	10.4255	0.0748	10.8348	0.0406
3G68252.D	SMB14781(MS)	07/10/12 16:09	Soil	3G68246.	10.4095	0.0787	10.8233	0.0656
3G68253.D	SMB14781	07/10/12 16:25	Soil	3G68246.	10.4110	0.0643	10.8244	0.0554
3G68254.D	SMB14777	07/10/12 16:40	Soil	3G68246.	10.4103	0.0711	10.8246	0.0536
3G68255.D	SMB14777(MS)	07/10/12 16:56	Soil	3G68246.	10.4109	0.0653	10.8250	0.0499
3G68256.D	AC66869-001	07/10/12 17:12	Soil	3G68246.	10.4115	0.0595	10.8252	0.048
3G68257.D	AC66869-001(MS)	07/10/12 17:28	Soil	3G68246.	10.4116	0.0586	10.8259	0.0416
3G68258.D	AC66869-001(MSD)	07/10/12 17:44	Soil	3G68246.	10.4104	0.0701	10.8226	0.072
3G68259.D	AC66869-002	07/10/12 18:00	Soil	3G68246.	10.4090	0.0835	10.8234	0.0647
3G68260.D	AC66869-003	07/10/12 18:16	Soil	3G68246.	10.4104	0.0701	10.8237	0.0619
3G68261.D	AC66869-004	07/10/12 18:31	Soil	3G68246.	10.4106	0.0682	10.8229	0.0693
3G68262.D	AC66869-005	07/10/12 18:47	Soil	3G68246.	10.4097	0.0768	10.8233	0.0656
3G68263.D	AC66869-006	07/10/12 19:03	Soil	3G68246.	10.4102	0.072	10.8234	0.0647
3G68264.D	AC66869-007	07/10/12 19:19	Soil	3G68246.	10.4095	0.0787	10.8236	0.0628
3G68265.D	AC66869-008	07/10/12 19:35	Soil	3G68246.	10.4096	0.0778	10.8230	0.0684
3G68266.D	CAL 1660@1000PPB	07/10/12 19:51	Soil	3G68246.	10.4108	0.0663	10.8234	0.0647
3G68267.D	2000PPB	07/10/12 20:07	Soil	3G68266.	10.4100	0.0077	10.8234	0
3G68268.D	AC66944-004	07/10/12 20:22	Soil	3G68266.	10.4092	0.0154	10.8232	0.0018
3G68269.D	AC66944-005	07/10/12 20:38	Soil	3G68266.	10.4126	0.0173	10.8277	0.0397
3G68270.D	AC66944-006	07/10/12 20:54	Soil	3G68266.	10.4132	0.0231	10.8266	0.0296
3G68271.D	AC66944-007	07/10/12 21:10	Soil	3G68266.	10.4128	0.0192	10.8252	0.0166
3G68272.D	AC66854-001	07/10/12 21:26	Soil	3G68266.	10.4119	0.0106	10.8246	0.0111
3G68273.D	AC66854-002	07/10/12 21:42	Soil	3G68266.	10.4131	0.0221	10.8253	0.0176
3G68274.D	AC66854-003	07/10/12 21:58	Soil	3G68266.	10.4133	0.024	10.8268	0.0314
3G68275.D	1000PPB	07/10/12 22:13	Soil	3G68266.	10.4118	0.0096	10.8254	0.0185

Drift Compound: DCB-Surrogate Drift Limit(s): 0.5 (Pest/Pcb) 1.5(Herb/Tph) * - Values outside of limits for this column/run

Form 5

Method: EPA 8082

Instrument: GC_3 Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Data File	Sample#	Analysis Date/Time	Matrix	Reference File	Column 1 RT	Column 1 % Drift	Column 2 RT	Column 2 % Drift
3G68276.D	CAL 1660@2000PPB	07/10/12 22:29	Soil	3G68266.	10.4117	0.0086	10.8252	0.0166
3G68277.D	AC66981-003(MS)	07/10/12 22:45	Soil	3G68276.	10.4122	0.0048	10.8247	0.0046
3G68278.D	AC66981-003(MSD)	07/10/12 23:01	Soil	3G68276.	10.4118	0.001	10.8247	0.0046
3G68279.D	AC66981-003	07/10/12 23:16	Soil	3G68276.	10.4102	0.0144	10.8245	0.0065
3G68280.D	AC66981-005	07/10/12 23:32	Soil	3G68276.	10.4124	0.0067	10.8233	0.0176
3G68281.D	AC66981-006	07/10/12 23:48	Soil	3G68276.	10.4108	0.0086	10.8254	0.0019
3G68282.D	AC66981-002	07/11/12 00:04	Soil	3G68276.	10.4126	0.0086	10.8254	0.0019
3G68283.D	AC66897-001(10X)	07/11/12 00:19	Soil	3G68276.	10.4121	0.0038	10.8236	0.0148
3G68284.D	AC66897-003(20X)	07/11/12 00:35	Soil	3G68276.	10.4111	0.0058	10.8237	0.0139
3G68285.D	AC66897-015(10X)	07/11/12 00:51	Soil	3G68276.	10.4131	0.0134	10.8243	0.0083
3G68286.D	AC66897-021(2X)	07/11/12 01:06	Soil	3G68276.	10.4143	0.025	10.8264	0.0111
3G68287.D	AC66897-036(5X)	07/11/12 01:22	Soil	3G68276.	10.4178	0.0586	10.8281	0.0268
3G68288.D	AC66897-005(2000X)	07/11/12 01:38	Soil	3G68276.	0.0000	200 *	0.0000	200 *
3G68289.D	66897-005(5000X)	07/11/12 01:54	Soil	3G68276.	0.0000	200 *	0.0000	200 *
3G68290.D	66897-007(100X)	07/11/12 02:09	Soil	3G68276.	0.0000	200 *	0.0000	200 *
3G68291.D	AC66897-007(50X)	07/11/12 02:25	Soil	3G68276.	0.0000	200 *	0.0000	200 *
3G68292.D	AC66897-010(20X)	07/11/12 02:41	Soil	3G68276.	10.4130	0.0125	10.8239	0.012
3G68293.D	1000PPB	07/11/12 02:57	Soil	3G68276.	10.4124	0.0067	10.8263	0.0102
3G68294.D	CAL 1660@2000PPB	07/11/12 03:12	Soil	3G68276.	10.4120	0.0029	10.8266	0.0129

Drift Compound: DCB-Surrogate Drift Limit(s): 0.5 (Pest/Pcb) 1.5(Herb/Tph) * - Values outside of limits for this column/run

Method: EPA 8082

Initial Calibration

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	3G67660.	CAL 1660@50PPB	06/26/12 16:27	2	3G67661.	CAL 1660@200PPB	06/26/12 16:42
3	3G67662.	CAL 1660@500PPB	06/26/12 16:58	4	3G67663.	CAL 1660@1000PPB	06/26/12 17:14
5	3G67664.	CAL 1660@2000PPB	06/26/12 17:30	6	3G67665.	CAL 1660@4000PPB	06/26/12 17:46
7	3G67666.	CAL 3268@500PPB	06/26/12 18:02	8	3G67667.	CAL 1242@500PPB	06/26/12 18:18
9	3G67668.	CAL 1248@500PPB	06/26/12 18:33	10	3G67669.	CAL 2154@500PPB	06/26/12 18:49
11	3G67670.	CAL 1262@500PPB	06/26/12 19:05				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8
TCMX-Surrogate	1	0	Avg	0.7476	0.7787	0.8086	0.8207	0.8261	0.8065	----	----	0.798	4.08	1.00	1.00	3.7	5.00	20.00	50.00	100.0	200.0	400.0		
Aroclor-1016	1	1	Qua	0.0272	0.0243	0.0229	0.0215	0.0199	0.0182	----	----	0.0224	4.59	0.997	1.00	14	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1016	1	2	Qua	0.0530	0.0473	0.0430	0.0396	0.0363	0.0328	----	----	0.0420	4.95	0.996	1.00	18	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1016	1	3	Qua	0.0969	0.0892	0.0830	0.0774	0.0720	0.0663	----	----	0.0808	5.42	0.998	1.00	14	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1016	1	4	Qua	0.0422	0.0414	0.0393	0.0369	0.0346	0.0320	----	----	0.0378	5.56	0.998	1.00	11	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1016	1	5	Avg	0.0265	0.0272	0.0263	0.0251	0.0239	0.0225	----	----	0.0253	5.67	0.999	1.00	7.0	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1260	1	1	Qua	0.0569	0.0521	0.0485	0.0449	0.0417	0.0385	----	----	0.0472	7.29	0.998	1.00	14	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1260	1	2	Qua	0.0658	0.0604	0.0559	0.0520	0.0486	0.0453	----	----	0.0547	7.54	0.998	1.00	14	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1260	1	3	Avg	0.0225	0.0232	0.0229	0.0224	0.0218	0.0222	----	----	0.0226	8.03	1.00	1.00	2.2	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1260	1	4	Avg	0.0412	0.0388	0.0367	0.0350	0.0334	0.0321	----	----	0.0362	8.33	0.999	1.00	9.4	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1260	1	5	Avg	0.0630	0.0605	0.0592	0.0588	0.0576	0.0571	----	----	0.0594	9.05	1.00	1.00	3.6	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1221	1	1	Avg	----	----	----	----	----	----	----	----	0.0113	4.38	-1	-1	Lvl=10	500.0							
Aroclor-1221	1	2	Avg	----	----	----	----	----	----	----	----	0.00761	4.53	-1	-1	Lvl=10	500.0							
Aroclor-1221	1	3	Avg	----	----	----	----	----	----	----	----	0.0314	4.59	-1	-1	Lvl=10	500.0							
Aroclor-1232	1	1	Avg	----	----	----	----	----	----	----	----	0.0211	4.59	-1	-1	Lvl=7	500.0							
Aroclor-1232	1	2	Avg	----	----	----	----	----	----	----	----	0.0185	4.96	-1	-1	Lvl=7	500.0							
Aroclor-1232	1	3	Avg	----	----	----	----	----	----	----	----	0.0326	5.42	-1	-1	Lvl=7	500.0							
Aroclor-1232	1	4	Avg	----	----	----	----	----	----	----	----	0.0154	5.56	-1	-1	Lvl=7	500.0							
Aroclor-1232	1	5	Avg	----	----	----	----	----	----	----	----	0.0169	6.03	-1	-1	Lvl=7	500.0							
Aroclor-1242	1	1	Avg	----	----	----	----	----	----	----	----	0.0192	4.59	-1	-1	Lvl=8	500.0							
Aroclor-1242	1	2	Avg	----	----	----	----	----	----	----	----	0.0332	4.96	-1	-1	Lvl=8	500.0							
Aroclor-1242	1	3	Avg	----	----	----	----	----	----	----	----	0.0642	5.42	-1	-1	Lvl=8	500.0							
Aroclor-1242	1	4	Avg	----	----	----	----	----	----	----	----	0.0450	5.78	-1	-1	Lvl=8	500.0							
Aroclor-1242	1	5	Avg	----	----	----	----	----	----	----	----	0.0293	6.03	-1	-1	Lvl=8	500.0							
Aroclor-1248	1	1	Avg	----	----	----	----	----	----	----	----	0.0167	4.95	-1	-1	Lvl=9	500.0							
Aroclor-1248	1	2	Avg	----	----	----	----	----	----	----	----	0.0407	5.42	-1	-1	Lvl=9	500.0							
Aroclor-1248	1	3	Avg	----	----	----	----	----	----	----	----	0.0703	5.77	-1	-1	Lvl=9	500.0							
Aroclor-1248	1	4	Avg	----	----	----	----	----	----	----	----	0.0387	6.13	-1	-1	Lvl=9	500.0							
Aroclor-1248	1	5	Avg	----	----	----	----	----	----	----	----	0.0446	6.72	-1	-1	Lvl=9	500.0							
Aroclor-1254	1	1	Avg	----	----	----	----	----	----	----	----	0.0187	6.93	-1	-1	Lvl=10	500.0							
Aroclor-1254	1	2	Avg	----	----	----	----	----	----	----	----	0.0601	7.13	-1	-1	Lvl=10	500.0							
Aroclor-1254	1	3	Avg	----	----	----	----	----	----	----	----	0.0348	7.30	-1	-1	Lvl=10	500.0							
Aroclor-1254	1	4	Avg	----	----	----	----	----	----	----	----	0.0521	7.41	-1	-1	Lvl=10	500.0							
Aroclor-1254	1	5	Avg	----	----	----	----	----	----	----	----	0.0252	7.80	-1	-1	Lvl=10	500.0							
Aroclor-1262	1	1	Avg	----	----	----	----	----	----	----	----	0.0634	7.97	-1	-1	Lvl=11	500.0							
Aroclor-1262	1	2	Avg	----	----	----	----	----	----	----	----	0.0400	8.98	-1	-1	Lvl=11	500.0							

Avg Rsd Col 1: 9.88 Avg Rsd Col 2: 10.1

Flags

c - failed the initial calibration criteria(if applicable)

Note:

Col = Column Number
Mr = MultiPeak Analyte 0=single peak analyte..>0=multi peak analyte (i.e. pcb/chlordane etc..)
Fit = Indicates whehter Avg RF, Linear, or Quadratic Curve was used for compound.
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.

All Response Factors = Response Factors / 10000
Initial Calibration Criteria: either %RSD <=20 or Corr >= .995
Columns: Signal #1 db-1701 : Signal #2 db-608

^Lvl: These compounds use a single pt calibration as specified by the method. The file used to update this calibration point is listed in the header under level #

2070213 0208

Method: EPA 8082

Initial Calibration

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	3G67660.	CAL 1660@50PPB	06/26/12 16:27	2	3G67661.	CAL 1660@200PPB	06/26/12 16:42
3	3G67662.	CAL 1660@500PPB	06/26/12 16:58	4	3G67663.	CAL 1660@1000PPB	06/26/12 17:14
5	3G67664.	CAL 1660@2000PPB	06/26/12 17:30	6	3G67665.	CAL 1660@4000PPB	06/26/12 17:46
7	3G67666.	CAL 3268@500PPB	06/26/12 18:02	8	3G67667.	CAL 1242@500PPB	06/26/12 18:18
9	3G67668.	CAL 1248@500PPB	06/26/12 18:33	10	3G67669.	CAL 2154@500PPB	06/26/12 18:49
11	3G67670.	CAL 1262@500PPB	06/26/12 19:05				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8
Aroclor-1262	1	3	Avg	----	----	----	----	----	----	----	----	0.0810	9.05	-1	-1	Lvl=11	500.0							
Aroclor-1262	1	4	Avg	----	----	----	----	----	----	----	----	0.0374	9.81	-1	-1	Lvl=11	500.0							
Aroclor-1262	1	5	Avg	----	----	----	----	----	----	----	----	0.0141	10.19	-1	-1	Lvl=11	500.0							
Aroclor-1268	1	1	Avg	----	----	----	----	----	----	----	----	0.0149	8.33	-1	-1	Lvl=7	500.0							
Aroclor-1268	1	2	Avg	----	----	----	----	----	----	----	----	0.0129	8.64	-1	-1	Lvl=7	500.0							
Aroclor-1268	1	3	Avg	----	----	----	----	----	----	----	----	0.0954	9.23	-1	-1	Lvl=7	500.0							
Aroclor-1268	1	4	Avg	----	----	----	----	----	----	----	----	0.0312	9.34	-1	-1	Lvl=7	500.0							
Aroclor-1268	1	5	Avg	----	----	----	----	----	----	----	----	0.274	10.19	-1	-1	Lvl=7	500.0							
DCB-Surrogate	1	0	Avg	1.0574	1.0256	0.9811	0.9371	0.9055	0.8586	----	----	0.961	10.42	0.999	1.00	7.8	5.00	20.00	50.00	100.0	200.0	400.0		
TCMX-Surrogate	2	0	Avg	1.5777	1.6390	1.6449	1.6583	1.6421	1.5999	----	----	1.63	3.97	1.00	1.00	1.9	5.00	20.00	50.00	100.0	200.0	400.0		
Aroclor-1016	2	1	Qua	0.0459	0.0434	0.0393	0.0371	0.0350	0.0325	----	----	0.0389	4.57	0.998	1.00	13	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1016	2	2	Qua	0.0971	0.0853	0.0813	0.0741	0.0680	0.0616	----	----	0.0780	4.98	0.996	1.00	16	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1016	2	3	Qua	0.2046	0.1737	0.1700	0.1592	0.1494	0.1391	----	----	0.166	5.36	0.998	1.00	14	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1016	2	4	Qua	0.0894	0.0767	0.0721	0.0658	0.0610	0.0560	----	----	0.0702	5.68	0.998	1.00	17	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1016	2	5	Qua	0.0717	0.0542	0.0507	0.0474	0.0442	0.0406	----	----	0.0515	6.05	0.998	1.00	21	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1260	2	1	Qua	0.1190	0.1114	0.1048	0.0984	0.0903	0.0837	----	----	0.101	7.35	0.998	1.00	13	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1260	2	2	Avg	0.1353	0.1326	0.1308	0.1277	0.1199	0.1139	----	----	0.127	7.43	0.999	1.00	6.5	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1260	2	3	Avg	0.1014	0.0980	0.0964	0.0924	0.0912	0.0887	----	----	0.0947	8.42	1.00	1.00	5.0	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1260	2	4	Avg	0.0900	0.0890	0.0848	0.0843	0.0862	0.0864	----	----	0.0868	9.12	1.00	1.00	2.6	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1260	2	5	Avg	0.0633	0.0573	0.0578	0.0572	0.0577	0.0577	----	----	0.0585	9.72	1.00	1.00	4.0	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1221	2	1	Avg	----	----	----	----	----	----	----	----	0.0235	4.35	-1	-1	Lvl=10	500.0							
Aroclor-1221	2	2	Avg	----	----	----	----	----	----	----	----	0.0126	4.50	-1	-1	Lvl=10	500.0							
Aroclor-1221	2	3	Avg	----	----	----	----	----	----	----	----	0.0486	4.57	-1	-1	Lvl=10	500.0							
Aroclor-1232	2	1	Avg	----	----	----	----	----	----	----	----	0.0364	4.57	-1	-1	Lvl=7	500.0							
Aroclor-1232	2	2	Avg	----	----	----	----	----	----	----	----	0.0336	4.98	-1	-1	Lvl=7	500.0							
Aroclor-1232	2	3	Avg	----	----	----	----	----	----	----	----	0.0635	5.36	-1	-1	Lvl=7	500.0							
Aroclor-1232	2	4	Avg	----	----	----	----	----	----	----	----	0.0251	5.54	-1	-1	Lvl=7	500.0							
Aroclor-1232	2	5	Avg	----	----	----	----	----	----	----	----	0.0190	6.19	-1	-1	Lvl=7	500.0							
Aroclor-1242	2	1	Avg	----	----	----	----	----	----	----	----	0.0325	4.57	-1	-1	Lvl=8	500.0							
Aroclor-1242	2	2	Avg	----	----	----	----	----	----	----	----	0.0598	4.98	-1	-1	Lvl=8	500.0							
Aroclor-1242	2	3	Avg	----	----	----	----	----	----	----	----	0.125	5.36	-1	-1	Lvl=8	500.0							
Aroclor-1242	2	4	Avg	----	----	----	----	----	----	----	----	0.0533	5.69	-1	-1	Lvl=8	500.0							
Aroclor-1242	2	5	Avg	----	----	----	----	----	----	----	----	0.0445	6.05	-1	-1	Lvl=8	500.0							
Aroclor-1248	2	1	Avg	----	----	----	----	----	----	----	----	0.0293	4.98	-1	-1	Lvl=9	500.0							
Aroclor-1248	2	2	Avg	----	----	----	----	----	----	----	----	0.0795	5.36	-1	-1	Lvl=9	500.0							
Aroclor-1248	2	3	Avg	----	----	----	----	----	----	----	----	0.0611	5.68	-1	-1	Lvl=9	500.0							

Avg Rsd Col 1: 9.88 Avg Rsd Col 2: 10.1

Flags

c - failed the initial calibration criteria(if applicable)

Note:

Col = Column Number
Mr = MultiPeak Analyte 0=single peak analyte..>0=multi peak analyte (i.e. pch/chlordane etc..)
Fit = Indicates whehter Avg RF, Linear, or Quadratic Curve was used for compound.
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.

All Response Factors = Response Factors / 10000
Initial Calibration Criteria: either %RSD <=20 or Corr >= .995
Columns: Signal #1 db-1701 : Signal #2 db-608

^Lvl: These compounds use a single pt calibration as specified by the method. The file used to update this calibration point is listed in the header under level #

2070213 0209

Method: EPA 8082

Initial Calibration

Instrument: GC_5

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	3G67660.	CAL 1660@50PPB	06/26/12 16:27	2	3G67661.	CAL 1660@200PPB	06/26/12 16:42
3	3G67662.	CAL 1660@500PPB	06/26/12 16:58	4	3G67663.	CAL 1660@1000PPB	06/26/12 17:14
5	3G67664.	CAL 1660@2000PPB	06/26/12 17:30	6	3G67665.	CAL 1660@4000PPB	06/26/12 17:46
7	3G67666.	CAL 3268@500PPB	06/26/12 18:02	8	3G67667.	CAL 1242@500PPB	06/26/12 18:18
9	3G67668.	CAL 1248@500PPB	06/26/12 18:33	10	3G67669.	CAL 2154@500PPB	06/26/12 18:49
11	3G67670.	CAL 1262@500PPB	06/26/12 19:05				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8
Aroclor-1248	2	4	Avg	----	----	----	----	----	----	----	----	0.0581	6.19	-1	-1	Lvl=9	500.0							
Aroclor-1248	2	5	Avg	----	----	----	----	----	----	----	----	0.0767	6.33	-1	-1	Lvl=9	500.0							
Aroclor-1254	2	1	Avg	----	----	----	----	----	----	----	----	0.101	6.55	-1	-1	Lvl=10	500.0							
Aroclor-1254	2	2	Avg	----	----	----	----	----	----	----	----	0.0299	6.89	-1	-1	Lvl=10	500.0							
Aroclor-1254	2	3	Avg	----	----	----	----	----	----	----	----	0.0980	7.28	-1	-1	Lvl=10	500.0							
Aroclor-1254	2	4	Avg	----	----	----	----	----	----	----	----	0.0457	7.79	-1	-1	Lvl=10	500.0							
Aroclor-1254	2	5	Avg	----	----	----	----	----	----	----	----	0.0394	8.48	-1	-1	Lvl=10	500.0							
Aroclor-1262	2	1	Avg	----	----	----	----	----	----	----	----	0.104	7.85	-1	-1	Lvl=11	500.0							
Aroclor-1262	2	2	Avg	----	----	----	----	----	----	----	----	0.0944	9.01	-1	-1	Lvl=11	500.0							
Aroclor-1262	2	3	Avg	----	----	----	----	----	----	----	----	0.0951	9.12	-1	-1	Lvl=11	500.0							
Aroclor-1262	2	4	Avg	----	----	----	----	----	----	----	----	0.108	9.72	-1	-1	Lvl=11	500.0							
Aroclor-1262	2	5	Avg	----	----	----	----	----	----	----	----	0.0283	10.27	-1	-1	Lvl=11	500.0							
Aroclor-1268	2	1	Avg	----	----	----	----	----	----	----	----	0.0186	8.51	-1	-1	Lvl=7	500.0							
Aroclor-1268	2	2	Avg	----	----	----	----	----	----	----	----	0.0319	8.56	-1	-1	Lvl=7	500.0							
Aroclor-1268	2	3	Avg	----	----	----	----	----	----	----	----	0.0560	9.62	-1	-1	Lvl=7	500.0							
Aroclor-1268	2	4	Avg	----	----	----	----	----	----	----	----	0.0839	9.72	-1	-1	Lvl=7	500.0							
Aroclor-1268	2	5	Avg	----	----	----	----	----	----	----	----	0.556	10.27	-1	-1	Lvl=7	500.0							
DCB-Surrogate	2	0	Avg	2.0533	1.9676	1.8903	1.8208	1.7777	1.7279	----	----	1.87	10.83	1.00	1.00	6.5	5.00	20.00	50.00	100.0	200.0	400.0		

Avg Rsd Col 1: 9.88 Avg Rsd Col 2: 10.1

Flags

c - failed the initial calibration criteria(if applicable)

Note:

Col = Column Number
Mr = MultiPeak Analyte 0=single peak analyte..>0=multi peak analyte (i.e. pcb/chlordane etc..)
Fit = Indicates whehter Avg RF, Linear, or Quadratic Curve was used for compound.
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.

All Response Factors = Response Factors / 10000
Initial Calibration Criteria: either %RSD <=20 or Corr >= .995
Columns: Signal #1 db-1701 : Signal #2 db-608

^Lvl: These compounds use a single pt calibration as specified by the method. The file used to update this calibration point is listed in the header under level #

2070213 0210

Form7
Continuing Calibration

Method: EPA 8082

Data File:				3G68246.D				3G68266.D																
Method:				8082				8082																
Calibration Name:				CAL 1660@1000PP				CAL 1660@1000PP																
Calibration Date/Time				07/10/12 14:03				07/10/12 19:51																
					Conc				Conc				Conc			Conc			Conc					
Compound	Limit	Col	Mr	Conc	Exp	%Diff		Conc	Exp	%Diff		Conc	Exp	%Diff	Conc	Exp	%Diff	Conc	Exp	%Diff				
TCMX-Surrogate	15	1	0	106.1	100	6.1		108.1	100	8.1														
Aroclor-1016	15	1	1	1045	1000	4.5		1078	1000	7.8														
Aroclor-1016	15	1	2	1042	1000	4.2		1067	1000	6.7														
Aroclor-1016	15	1	3	1052	1000	5.2		1060	1000	6.0														
Aroclor-1016	15	1	4	1041	1000	4.1		1070	1000	7.0														
Aroclor-1016	15	1	5	1023	1000	2.3		1040	1000	4.0														
Aroclor-1260	15	1	1	1071	1000	7.1		1074	1000	7.4														
Aroclor-1260	15	1	2	1070	1000	7.0		1075	1000	7.5														
Aroclor-1260	15	1	3	1056	1000	5.6		1073	1000	7.3														
Aroclor-1260	15	1	4	1005	1000	0.5		1024	1000	2.4														
Aroclor-1260	15	1	5	992.4	1000	0.8		1035	1000	3.5														
DCB-Surrogate	15	1	0	75.3	100	24.7*		104.5	100	4.5														
Average Difference	15	1	0			6.0				6.0														
TCMX-Surrogate	15	2	0	101.8	100	1.8		100.9	100	0.9														
Aroclor-1016	15	2	1	1006	1000	0.6		1022	1000	2.2														
Aroclor-1016	15	2	2	1009	1000	0.9		1015	1000	1.5														
Aroclor-1016	15	2	3	1013	1000	1.3		1012	1000	1.2														
Aroclor-1016	15	2	4	1020	1000	2.0		990.9	1000	0.9														
Aroclor-1016	15	2	5	1001	1000	0.1		968.7	1000	3.1														
Aroclor-1260	15	2	1	1018	1000	1.8		1052	1000	5.2														
Aroclor-1260	15	2	2	1028	1000	2.8		1072	1000	7.2														
Aroclor-1260	15	2	3	1012	1000	1.2		1088	1000	8.8														
Aroclor-1260	15	2	4	977.5	1000	2.3		1064	1000	6.4														
Aroclor-1260	15	2	5	847.1	1000	15.3		1004	1000	0.4														
DCB-Surrogate	15	2	0	69.75	100	30.3*		98.78	100	1.2														
Average Difference	15	2	0			5.0				3.3														

Flags/Notes: **** - Values outside of limits for this column/run***

Form7

RtWindow Summary

Method: EPA 8082

Data File:			3G67660.D		3G68246.D							
Calibration Name:			CAL 1660@50PPB		CAL 1660@1000PPB							
Calibration Date/Time			6/26/2012 4:27:00 PM		7/10/2012 2:03:00 PM							
Compound	Col	Mr	Cal RT	Limit	Cal RT	Limit	Cal RT	Limit	Cal RT	Limit	Cal RT	Limit
TCMX-Surrogate	1	0	4.08	(4.02 - 4.14)	4.07	(4.01 - 4.13)						
Aroclor-1016	1	1	4.59	(4.55 - 4.63)	4.58	(4.54 - 4.62)						
Aroclor-1016	1	2	4.95	(4.91 - 4.99)	4.95	(4.91 - 4.99)						
Aroclor-1016	1	3	5.42	(5.38 - 5.46)	5.41	(5.37 - 5.45)						
Aroclor-1016	1	4	5.56	(5.52 - 5.60)	5.55	(5.51 - 5.59)						
Aroclor-1016	1	5	5.67	(5.63 - 5.71)	5.66	(5.62 - 5.70)						
Aroclor-1260	1	1	7.29	(7.25 - 7.33)	7.29	(7.25 - 7.33)						
Aroclor-1260	1	2	7.54	(7.50 - 7.58)	7.54	(7.50 - 7.58)						
Aroclor-1260	1	3	8.03	(7.99 - 8.07)	8.03	(7.99 - 8.07)						
Aroclor-1260	1	4	8.33	(8.29 - 8.37)	8.33	(8.29 - 8.37)						
Aroclor-1260	1	5	9.05	(9.01 - 9.09)	9.05	(9.01 - 9.09)						
Aroclor-1221	1	1	4.38	(4.34 - 4.42)								
Aroclor-1221	1	2	4.53	(4.49 - 4.57)								
Aroclor-1221	1	3	4.59	(4.55 - 4.63)								
Aroclor-1232	1	1	4.59	(4.55 - 4.63)								
Aroclor-1232	1	2	4.96	(4.92 - 5.00)								
Aroclor-1232	1	3	5.42	(5.38 - 5.46)								
Aroclor-1232	1	4	5.56	(5.52 - 5.60)								
Aroclor-1232	1	5	6.02	(5.98 - 6.06)								
Aroclor-1242	1	1	4.59	(4.55 - 4.63)								
Aroclor-1242	1	2	4.96	(4.92 - 5.00)								
Aroclor-1242	1	3	5.42	(5.38 - 5.46)								
Aroclor-1242	1	4	5.78	(5.74 - 5.82)								
Aroclor-1242	1	5	6.03	(5.99 - 6.07)								
Aroclor-1248	1	1	4.95	(4.91 - 4.99)								
Aroclor-1248	1	2	5.42	(5.38 - 5.46)								
Aroclor-1248	1	3	5.77	(5.73 - 5.81)								
Aroclor-1248	1	4	6.13	(6.09 - 6.17)								
Aroclor-1248	1	5	6.72	(6.68 - 6.76)								
Aroclor-1254	1	1	6.93	(6.89 - 6.97)								
Aroclor-1254	1	2	7.13	(7.09 - 7.17)								
Aroclor-1254	1	3	7.30	(7.26 - 7.34)								
Aroclor-1254	1	4	7.41	(7.37 - 7.45)								
Aroclor-1254	1	5	7.80	(7.76 - 7.84)								
Aroclor-1262	1	1	7.97	(7.93 - 8.01)								
Aroclor-1262	1	2	8.98	(8.94 - 9.02)								
Aroclor-1262	1	3	9.05	(9.01 - 9.09)								
Aroclor-1262	1	4	9.81	(9.77 - 9.85)								
Aroclor-1262	1	5	10.19	(10.15 - 10.23)								
Aroclor-1268	1	1	8.33	(8.29 - 8.37)								
Aroclor-1268	1	2	8.64	(8.60 - 8.68)								
Aroclor-1268	1	3	9.23	(9.19 - 9.27)								
Aroclor-1268	1	4	9.34	(9.30 - 9.38)								
Aroclor-1268	1	5	10.19	(10.15 - 10.23)								
DCB-Surrogate	1	0	10.42	(10.36 - 10.48)	10.42	(10.36 - 10.48)						
TCMX-Surrogate	2	0	3.97	(3.91 - 4.03)	3.97	(3.91 - 4.03)						
Aroclor-1016	2	1	4.57	(4.53 - 4.61)	4.56	(4.52 - 4.60)						
Aroclor-1016	2	2	4.98	(4.94 - 5.02)	4.98	(4.94 - 5.02)						
Aroclor-1016	2	3	5.36	(5.32 - 5.40)	5.36	(5.32 - 5.40)						
Aroclor-1016	2	4	5.68	(5.64 - 5.72)	5.69	(5.65 - 5.73)						
Aroclor-1016	2	5	6.05	(6.01 - 6.09)	6.05	(6.01 - 6.09)						
Aroclor-1260	2	1	7.35	(7.31 - 7.39)	7.35	(7.31 - 7.39)						
Aroclor-1260	2	2	7.43	(7.39 - 7.47)	7.44	(7.40 - 7.48)						
Aroclor-1260	2	3	8.42	(8.38 - 8.46)	8.42	(8.38 - 8.46)						
Aroclor-1260	2	4	9.12	(9.08 - 9.16)	9.12	(9.08 - 9.16)						
Aroclor-1260	2	5	9.72	(9.68 - 9.76)	9.72	(9.68 - 9.76)						
Aroclor-1221	2	1	4.35	(4.31 - 4.39)								
Aroclor-1221	2	2	4.50	(4.46 - 4.54)								
Aroclor-1221	2	3	4.57	(4.53 - 4.61)								
Aroclor-1232	2	1	4.57	(4.53 - 4.61)								
Aroclor-1232	2	2	4.98	(4.94 - 5.02)								
Aroclor-1232	2	3	5.36	(5.32 - 5.40)								
Aroclor-1232	2	4	5.54	(5.50 - 5.58)								
Aroclor-1232	2	5	6.19	(6.15 - 6.23)								
Aroclor-1242	2	1	4.57	(4.53 - 4.61)								
Aroclor-1242	2	2	4.98	(4.94 - 5.02)								
Aroclor-1242	2	3	5.36	(5.32 - 5.40)								
Aroclor-1242	2	4	5.69	(5.65 - 5.73)								
Aroclor-1242	2	5	6.05	(6.01 - 6.09)								
Aroclor-1248	2	1	4.98	(4.94 - 5.02)								
Aroclor-1248	2	2	5.36	(5.32 - 5.40)								
Aroclor-1248	2	3	5.68	(5.64 - 5.72)								
Aroclor-1248	2	4	6.19	(6.15 - 6.23)								
Aroclor-1248	2	5	6.33	(6.29 - 6.37)								
Aroclor-1254	2	1	6.55	(6.51 - 6.59)								
Aroclor-1254	2	2	6.89	(6.85 - 6.93)								
Aroclor-1254	2	3	7.28	(7.24 - 7.32)								
Aroclor-1254	2	4	7.79	(7.75 - 7.83)								
Aroclor-1254	2	5	8.48	(8.44 - 8.52)								
Aroclor-1262	2	1	7.85	(7.81 - 7.89)								
Aroclor-1262	2	2	9.01	(8.97 - 9.05)								
Aroclor-1262	2	3	9.12	(9.08 - 9.16)								
Aroclor-1262	2	4	9.72	(9.68 - 9.76)								
Aroclor-1262	2	5	10.27	(10.23 - 10.31)								
Aroclor-1268	2	1	8.51	(8.47 - 8.55)								
Aroclor-1268	2	2	8.56	(8.52 - 8.60)								
Aroclor-1268	2	3	9.62	(9.58 - 9.66)								
Aroclor-1268	2	4	9.72	(9.68 - 9.76)								
Aroclor-1268	2	5	10.27	(10.23 - 10.31)								
DCB-Surrogate	2	0	10.83	(10.77 - 10.89)	10.83	(10.77 - 10.89)						

Pesticide Data

Form1

ORGANICS PESTICIDE REPORT

Sample Number: AC66869-001
Client Id: RI-B1-A
Data File: 6G34135.D
Analysis Date: 07/10/12 08:41
Date Rec/Extracted: 07/02/12-07/09/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 90

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
309-00-2	Aldrin	0.0056	U	7421-93-4	Endrin Aldehyde	0.0056	U
319-84-6	alpha-BHC	0.0011	U	53494-70-5	Endrin Ketone	0.0056	U
319-85-7	beta-BHC	0.0011	U	58-89-9	gamma-BHC	0.0011	U
57-74-9	Chlordane	0.028	U	76-44-8	Heptachlor	0.0056	U
319-86-8	delta-BHC	0.0056	U	1024-57-3	Heptachlor Epoxide	0.0056	U
60-57-1	Dieldrin	0.0011	U	72-43-5	Methoxychlor	0.0056	U
959-98-8	Endosulfan I	0.0056	U	72-54-8	p,p'-DDD	0.0028	U
33213-65-9	Endosulfan II	0.0056	U	72-55-9	p,p'-DDE	0.0028	U
1031-07-8	Endosulfan Sulfate	0.0056	U	50-29-3	p,p'-DDT	0.0028	U
72-20-8	Endrin	0.0056	U	8001-35-2	Toxaphene	0.028	U

Worksheet #: 233475

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

2070213 0215

Data Path : G:\Gcdata\2012\GC_6\Data\07-10-12\
Data File : 6G34135.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jul 2012 8:41
Operator : JP/MS
Sample : AC66869-001
Misc : S,PEST
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Jul 10 10:58:50 2012
Quant Method : G:\GCDATA\2012\GC_6\METHODQT\6G_P0628.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Thu Jun 28 17:19:51 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	5.147	4.940	1000208	741297	88.547	86.651
22)DCB-Surrogate	12.446	12.619	1107657	872926	90.815m	93.408

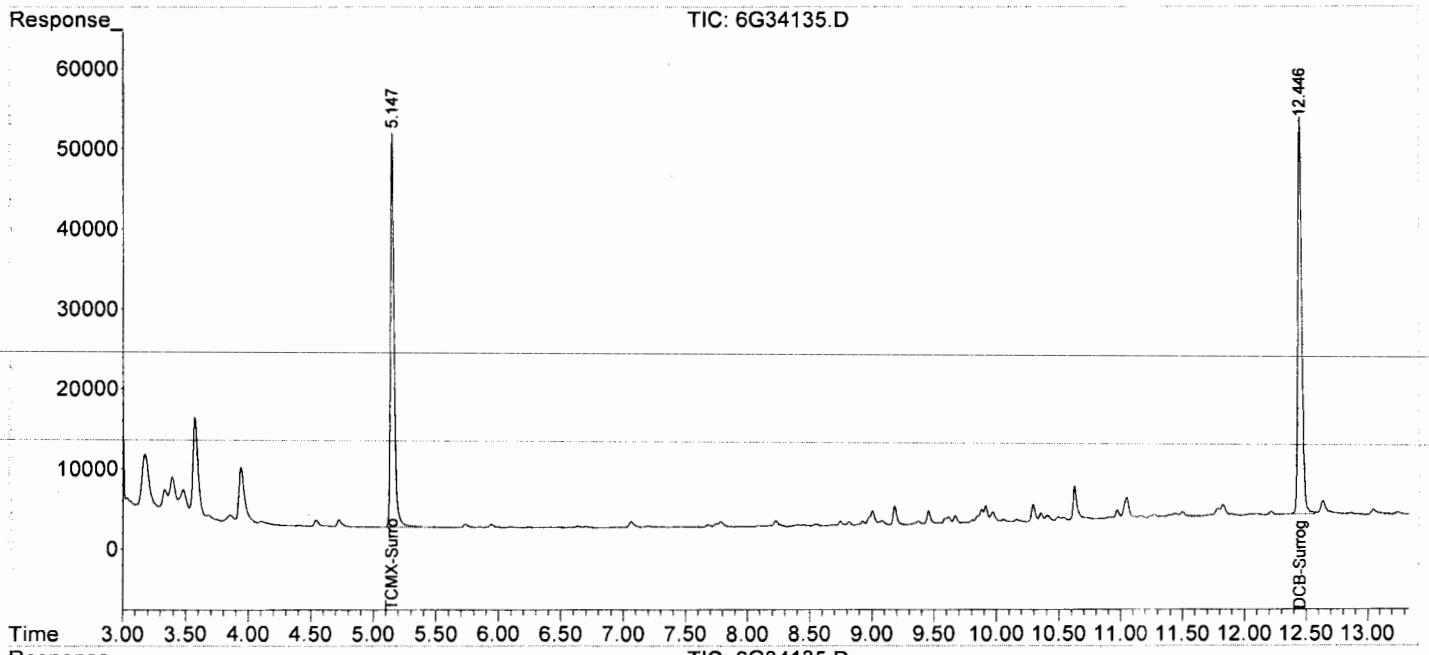
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

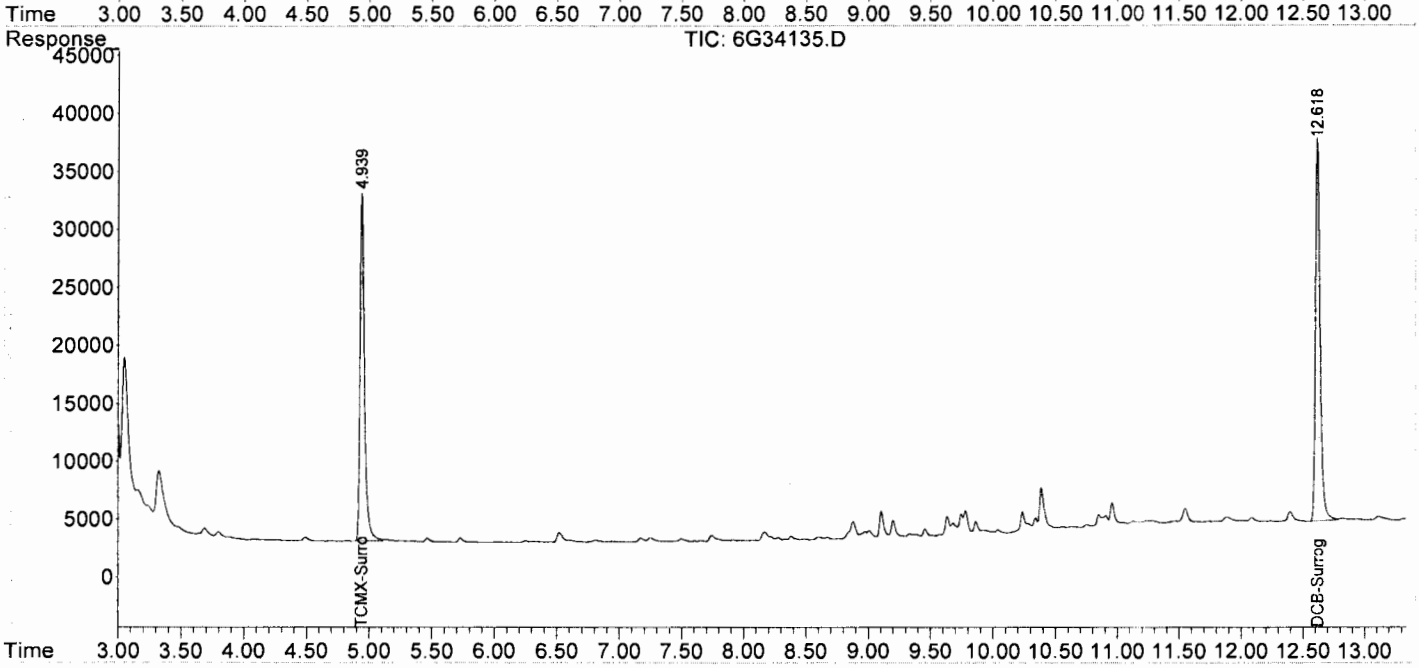
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_6\Data\07-10-12\
Data File : 6G34135.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jul 2012 8:41
Operator : JP/MS
Sample : AC66869-001
Misc : S,PEST
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Jul 10 10:58:50 2012
Quant Method : G:\GCDATA\2012\GC_6\METHODQT\6G_P0628.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Thu Jun 28 17:19:51 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AC66869-002
Client Id: RI-B1-B
Data File: 6G34138.D
Analysis Date: 07/10/12 09:32
Date Rec/Extracted: 07/02/12-07/09/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 88

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
309-00-2	Aldrin	0.0057	U	7421-93-4	Endrin Aldehyde	0.0057	U
319-84-6	alpha-BHC	0.0011	U	53494-70-5	Endrin Ketone	0.0057	U
319-85-7	beta-BHC	0.0011	U	58-89-9	gamma-BHC	0.0011	U
57-74-9	Chlordane	0.028	U	76-44-8	Heptachlor	0.0057	U
319-86-8	delta-BHC	0.0057	U	1024-57-3	Heptachlor Epoxide	0.0057	U
60-57-1	Dieldrin	0.0011	U	72-43-5	Methoxychlor	0.0057	U
959-98-8	Endosulfan I	0.0057	U	72-54-8	p,p'-DDD	0.0028	U
33213-65-9	Endosulfan II	0.0057	U	72-55-9	p,p'-DDE	0.0028	U
1031-07-8	Endosulfan Sulfate	0.0057	U	50-29-3	p,p'-DDT	0.0028	U
72-20-8	Endrin	0.0057	U	8001-35-2	Toxaphene	0.028	U

Worksheet #: 233475

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

2070213 0218

Data Path : G:\Gcdata\2012\GC_6\Data\07-10-12\
Data File : 6G34138.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jul 2012 9:32
Operator : JP/MS
Sample : AC66869-002
Misc : S,PEST
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Jul 10 11:00:35 2012
Quant Method : G:\GCDATA\2012\GC_6\METHODQT\6G_P0628.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Thu Jun 28 17:19:51 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	5.146	4.940	914289	724131	80.607	84.644
22)DCB-Surrogate	12.448	12.620	1118301	856543	91.751	91.587

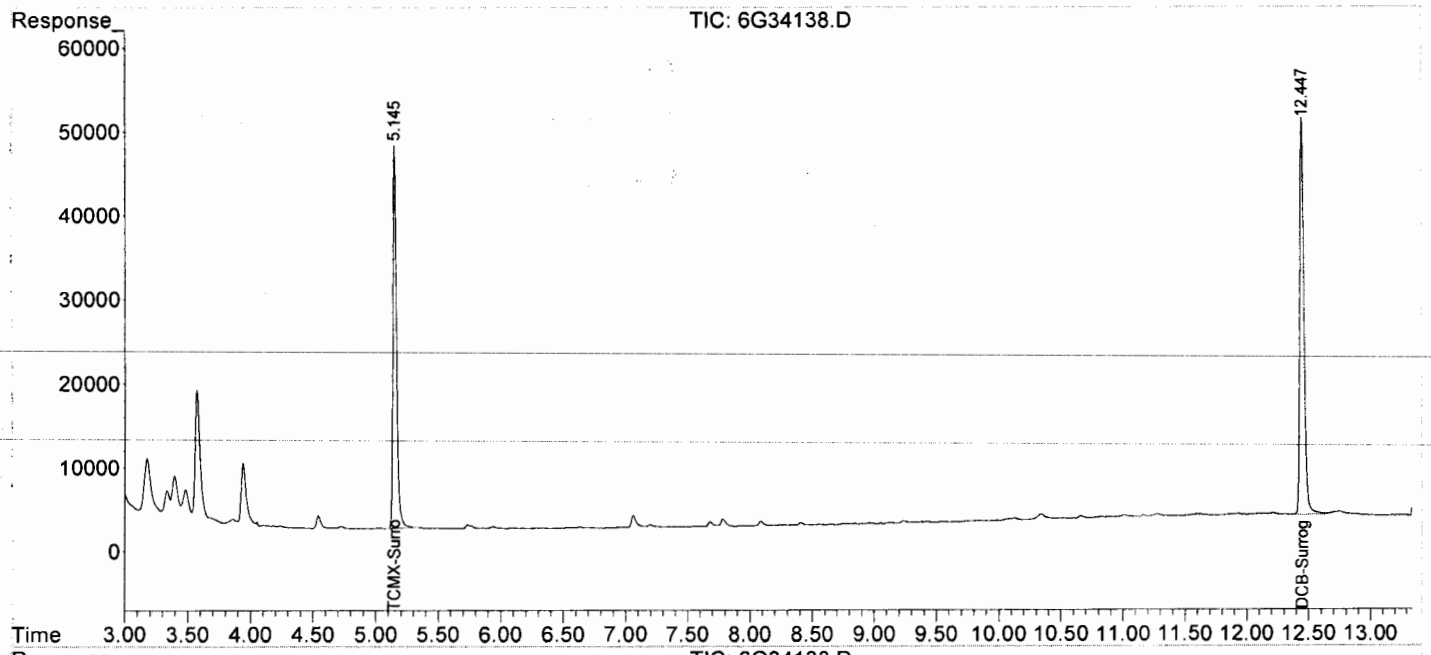
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

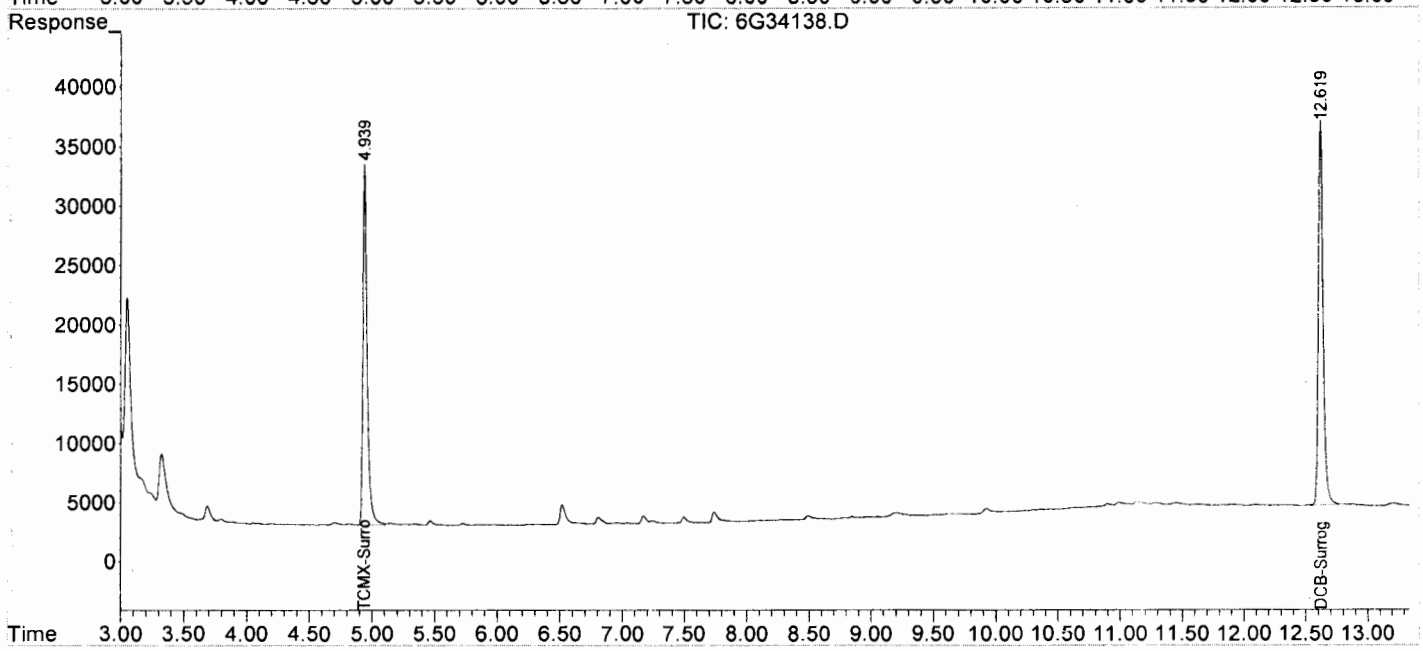
JP

Data Path : G:\Gcdata\2012\GC_6\Data\07-10-12\
Data File : 6G34138.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jul 2012 9:32
Operator : JP/MS
Sample : AC66869-002
Misc : S,PEST
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Jul 10 11:00:35 2012
Quant Method : G:\GCDATA\2012\GC_6\METHODQT\6G_P0628.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Thu Jun 28 17:19:51 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AC66869-003
Client Id: RI-B2-A
Data File: 6G34139.D
Analysis Date: 07/10/12 09:49
Date Rec/Extracted: 07/02/12-07/09/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 91

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
309-00-2	Aldrin	0.0055	U	7421-93-4	Endrin Aldehyde	0.0055	U
319-84-6	alpha-BHC	0.0011	U	53494-70-5	Endrin Ketone	0.0055	U
319-85-7	beta-BHC	0.0011	U	58-89-9	gamma-BHC	0.0011	U
57-74-9	**Chlordane**	**0.027**	**0.38**	76-44-8	Heptachlor	0.0055	U
319-86-8	delta-BHC	0.0055	U	1024-57-3	Heptachlor Epoxide	0.0055	U
60-57-1	Dieldrin	0.0011	U	72-43-5	Methoxychlor	0.0055	U
959-98-8	Endosulfan I	0.0055	U	72-54-8	p,p'-DDD	0.0027	U
33213-65-9	Endosulfan II	0.0055	U	72-55-9	p,p'-DDE	0.0027	U
1031-07-8	Endosulfan Sulfate	0.0055	U	50-29-3	p,p'-DDT	0.0027	U
72-20-8	Endrin	0.0055	U	8001-35-2	Toxaphene	0.027	U

Worksheet #: 233475

Total Target Concentration 0.38

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

2070213 0221

Data Path : G:\Gcdata\2012\GC_6\Data\07-10-12\
Data File : 6G34139.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jul 2012 9:49
Operator : JP/MS
Sample : AC66869-003
Misc : S,PEST
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Jul 10 12:00:09 2012
Quant Method : G:\GCDATA\2012\GC_6\METHODQT\6G_P0628.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Thu Jun 28 17:19:51 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	5.147	4.941	1012270	748411	89.667	87.482
22) DCB-Surrogate	12.447	12.620	1221577	948372	100.898	101.830
24) Chlordane {2}	8.743	8.180	848569	877393	813.525m	535.951m#
25) Chlordane {3}	8.809	8.381	1061452	615754	568.515m	699.771m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

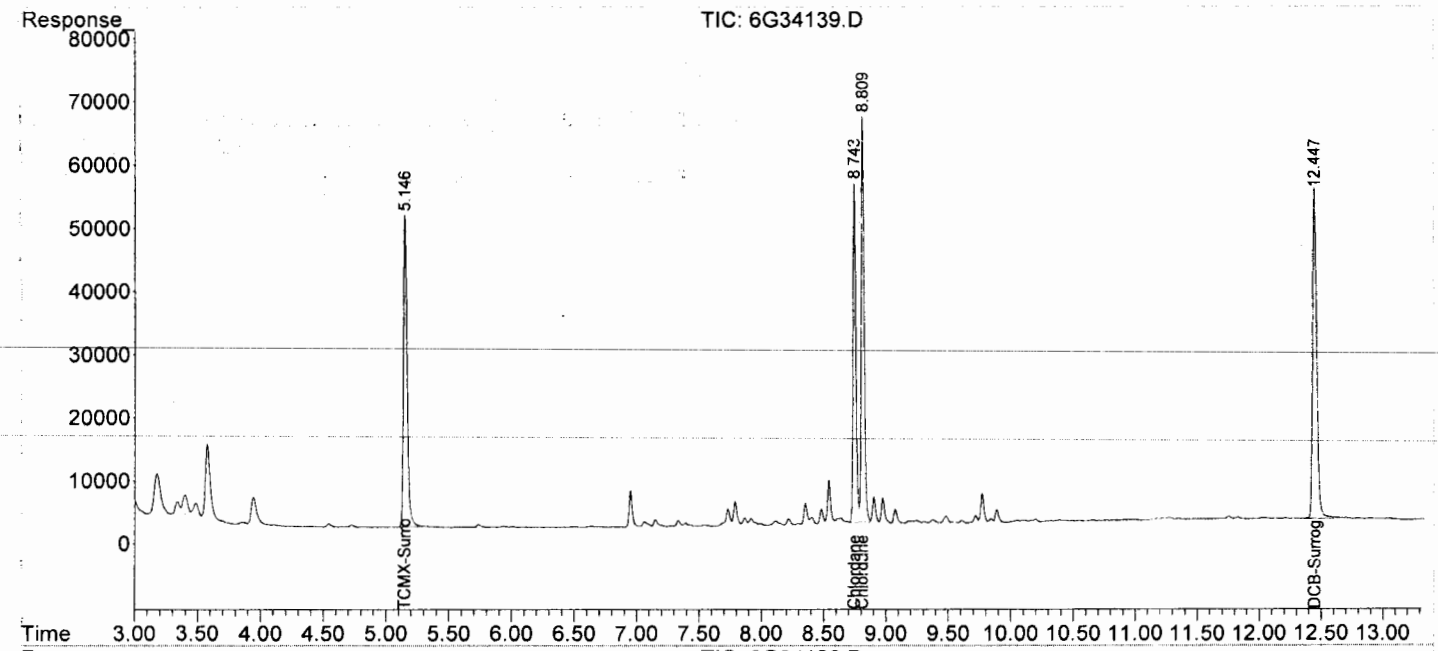
OP

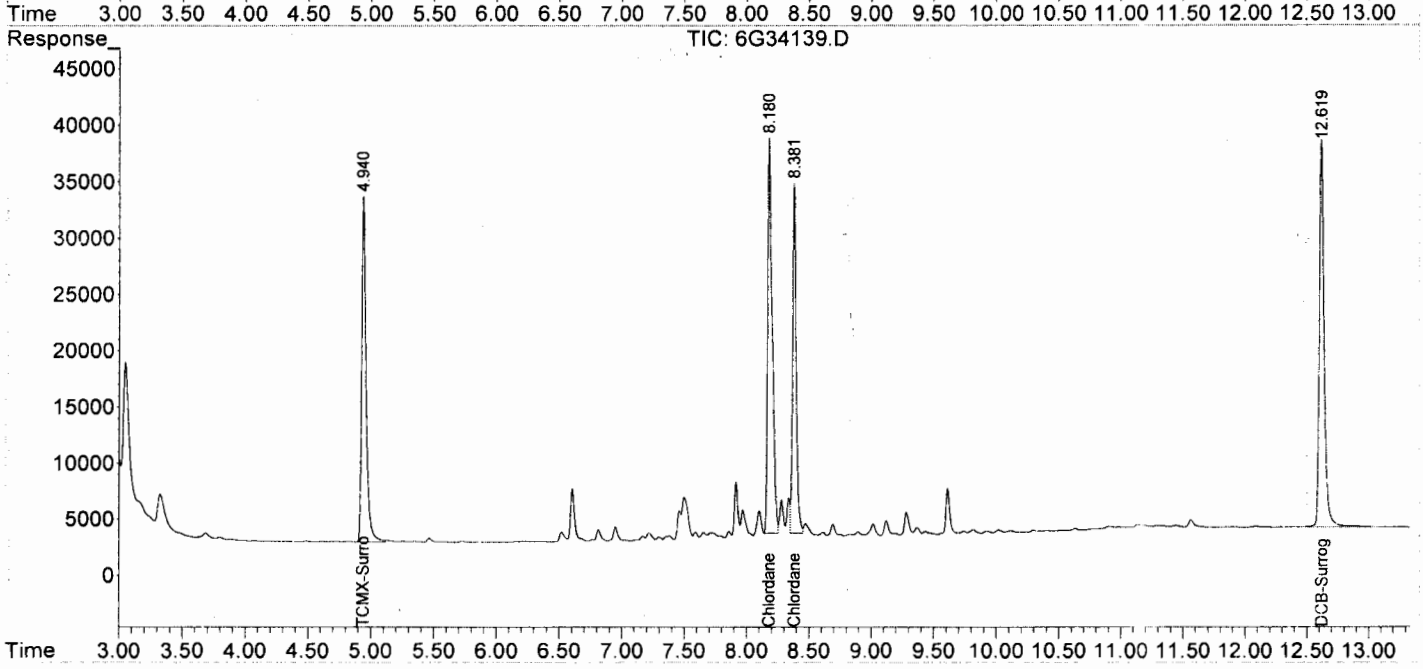
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_6\Data\07-10-12\
Data File : 6G34139.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jul 2012 9:49
Operator : JP/MS
Sample : AC66869-003
Misc : S,PEST
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Jul 10 12:00:09 2012
Quant Method : G:\GCDATA\2012\GC_6\METHODQT\6G_P0628.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Thu Jun 28 17:19:51 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AC66869-004
Client Id: RI-B2-B
Data File: 6G34140.D
Analysis Date: 07/10/12 10:06
Date Rec/Extracted: 07/02/12-07/09/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 94

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
309-00-2	Aldrin	0.0053	U	7421-93-4	Endrin Aldehyde	0.0053	U
319-84-6	alpha-BHC	0.0011	U	53494-70-5	Endrin Ketone	0.0053	U
319-85-7	beta-BHC	0.0011	U	58-89-9	gamma-BHC	0.0011	U
57-74-9	**(^)Chlordane**	**0.027**	**0.041**	76-44-8	Heptachlor	0.0053	U
319-86-8	delta-BHC	0.0053	U	1024-57-3	Heptachlor Epoxide	0.0053	U
60-57-1	Dieldrin	0.0011	U	72-43-5	Methoxychlor	0.0053	U
959-98-8	Endosulfan I	0.0053	U	72-54-8	p,p'-DDD	0.0027	U
33213-65-9	Endosulfan II	0.0053	U	72-55-9	p,p'-DDE	0.0027	U
1031-07-8	Endosulfan Sulfate	0.0053	U	50-29-3	p,p'-DDT	0.0027	U
72-20-8	Endrin	0.0053	U	8001-35-2	Toxaphene	0.027	U

Worksheet #: 233475

Total Target Concentration 0.041

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

2070213 0224

Data Path : G:\Gcdata\2012\GC_6\Data\07-10-12\
Data File : 6G34140.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jul 2012 10:06
Operator : JP/MS
Sample : AC66869-004
Misc : S,PEST
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Jul 10 12:04:36 2012
Quant Method : G:\GCDATA\2012\GC_6\METHODQT\6G_P0628.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Thu Jun 28 17:19:51 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	5.146	4.939	1006135	683042	89.097	79.841
22) DCB-Surrogate	12.446	12.620	1125709	889318	92.402	95.233
24) Chlordane {2}	8.744	8.180	81864	96915	78.483m	59.200m
25) Chlordane {3}	8.810	8.382	113116	82360	60.585m	93.598m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

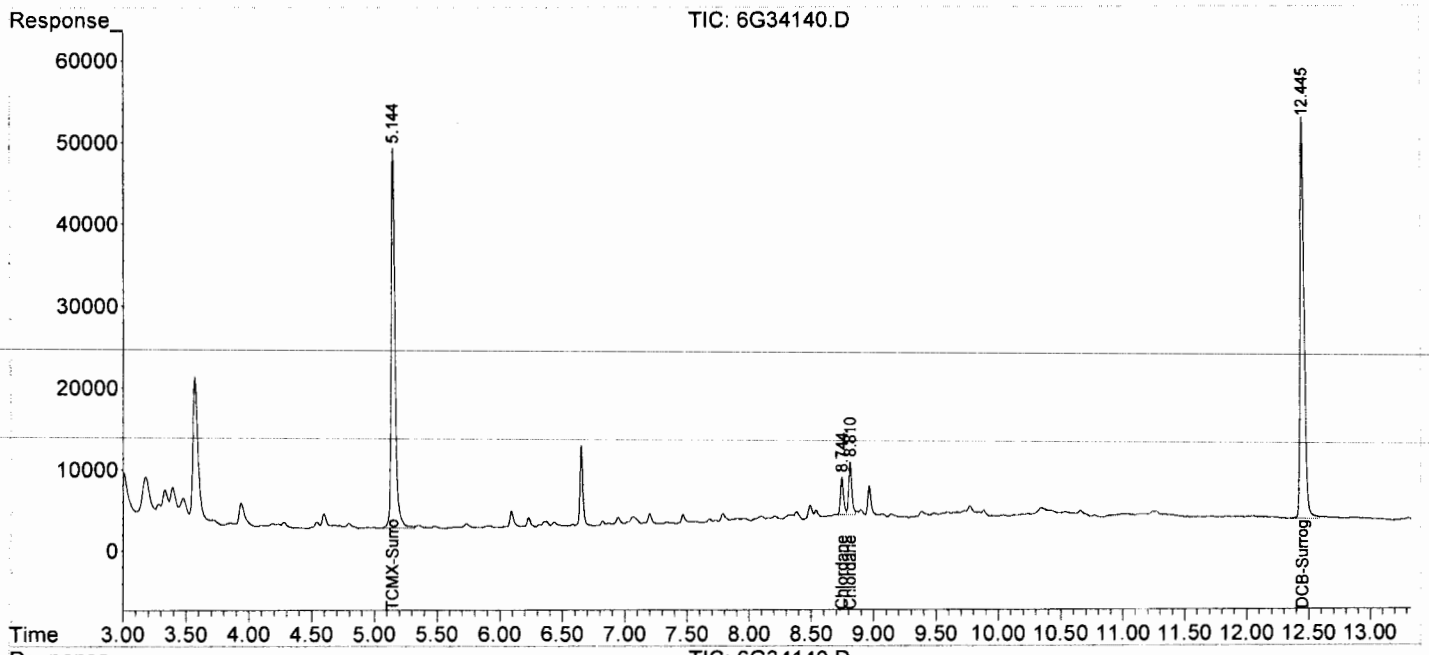
JP

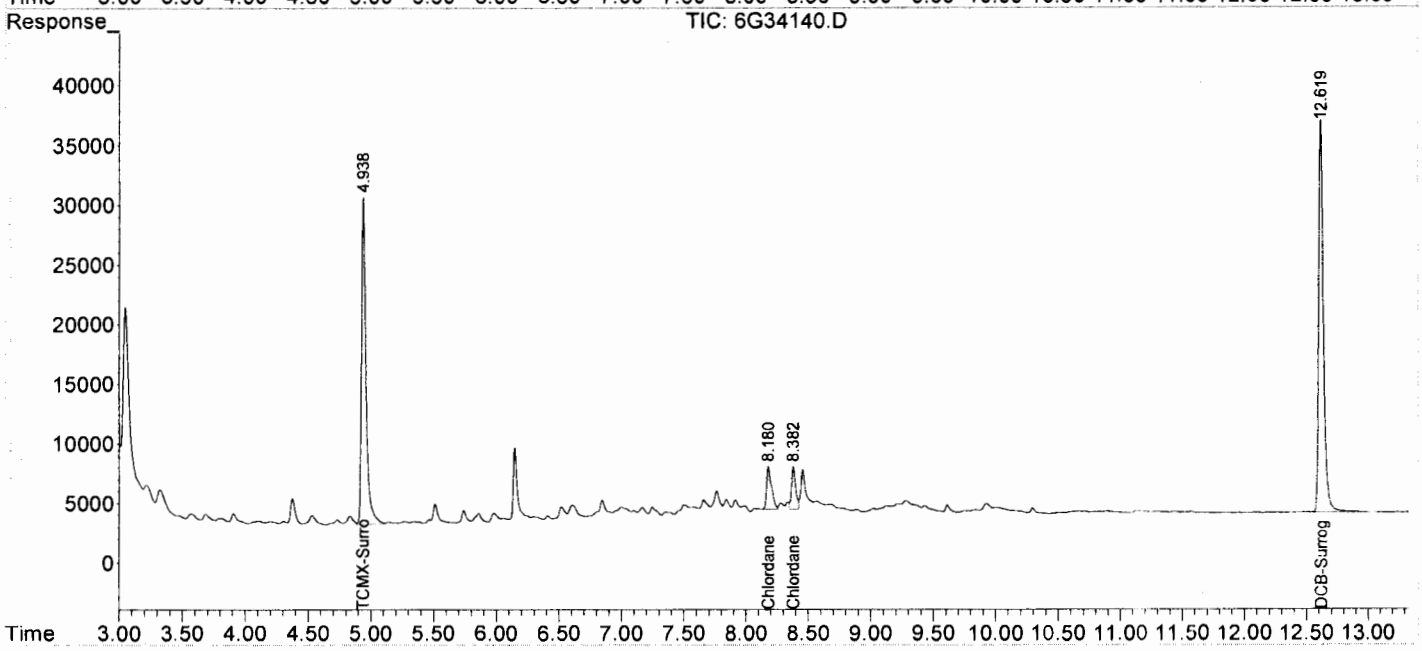
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_6\Data\07-10-12\
Data File : 6G34140.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jul 2012 10:06
Operator : JP/MS
Sample : AC66869-004
Misc : S,PEST
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Jul 10 12:04:36 2012
Quant Method : G:\GCDATA\2012\GC_6\METHODQT\6G_P0628.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Thu Jun 28 17:19:51 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AC66869-005
Client Id: RI-B3-A
Data File: 6G34142.D
Analysis Date: 07/10/12 10:42
Date Rec/Extracted: 07/02/12-07/09/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 92

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
309-00-2	Aldrin	0.0054	U	7421-93-4	Endrin Aldehyde	0.0054	U
319-84-6	alpha-BHC	0.0011	U	53494-70-5	Endrin Ketone	0.0054	U
319-85-7	beta-BHC	0.0011	U	58-89-9	gamma-BHC	0.0011	U
57-74-9	Chlordane	0.027	U	76-44-8	Heptachlor	0.0054	U
319-86-8	delta-BHC	0.0054	U	1024-57-3	Heptachlor Epoxide	0.0054	U
60-57-1	Dieldrin	0.0011	U	72-43-5	Methoxychlor	0.0054	U
959-98-8	Endosulfan I	0.0054	U	72-54-8	p,p'-DDD	0.0027	U
33213-65-9	Endosulfan II	0.0054	U	72-55-9	p,p'-DDE	0.0027	U
1031-07-8	Endosulfan Sulfate	0.0054	U	50-29-3	p,p'-DDT	0.0027	U
72-20-8	Endrin	0.0054	U	8001-35-2	Toxaphene	0.027	U

Worksheet #: 233475

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

2070213 0227

Data Path : G:\Gcdata\2012\GC_6\Data\07-10-12\
Data File : 6G34142.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jul 2012 10:42
Operator : JP/MS
Sample : AC66869-005
Misc : S,PEST
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Jul 10 12:05:40 2012
Quant Method : G:\GCDATA\2012\GC_6\METHODQT\6G_P0628.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Thu Jun 28 17:19:51 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	5.146	4.939	1183198	932651	105.692	109.018
22)DCB-Surrogate	12.448	12.619	1380889	1066860	115.275	115.180

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

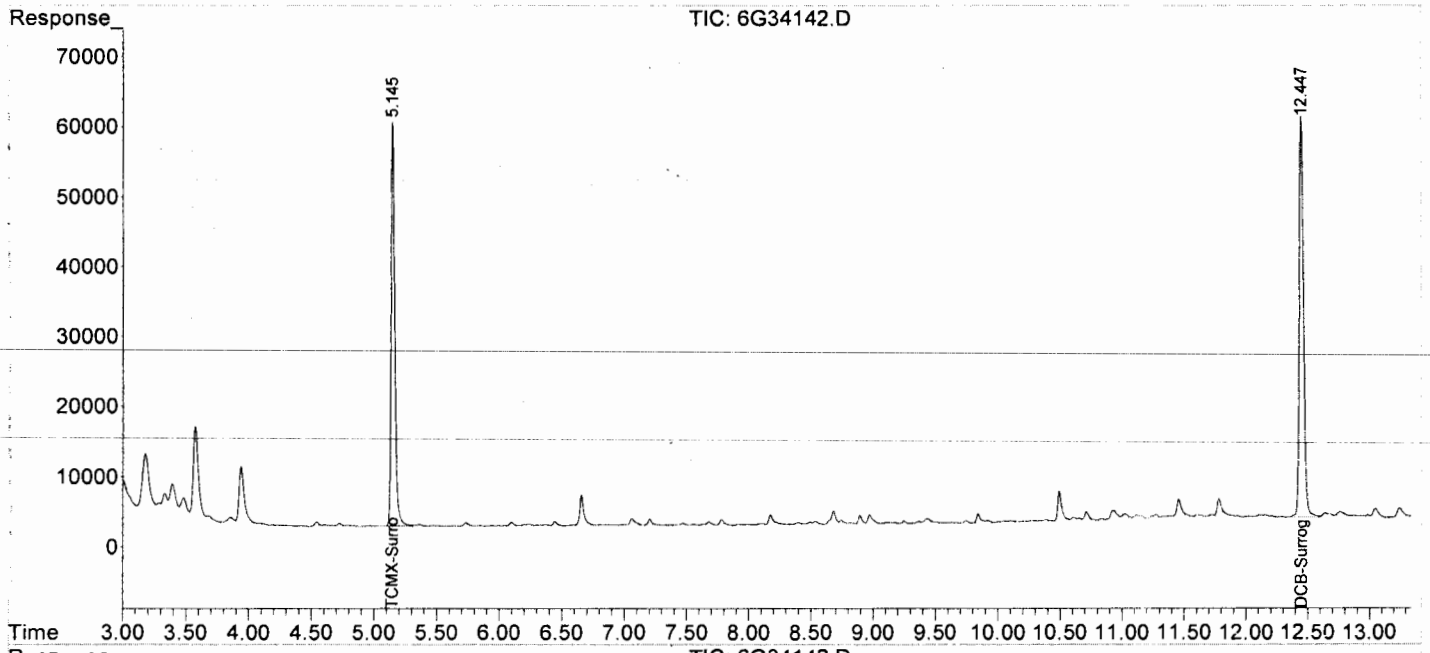
JP

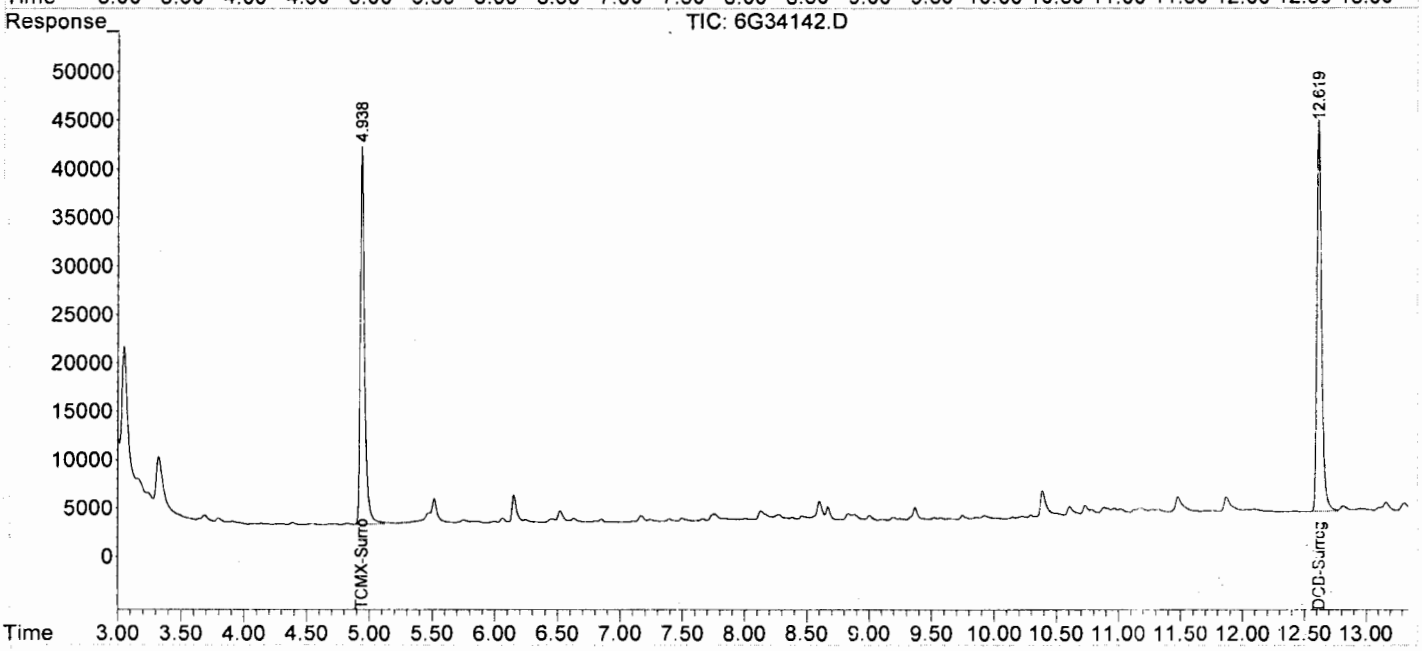
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_6\Data\07-10-12\
Data File : 6G34142.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jul 2012 10:42
Operator : JP/MS
Sample : AC66869-005
Misc : S,PEST
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Jul 10 12:05:40 2012
Quant Method : G:\GCDATA\2012\GC_6\METHODQT\6G_P0628.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Thu Jun 28 17:19:51 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AC66869-006
Client Id: RI-B3-B
Data File: 6G34143.D
Analysis Date: 07/10/12 10:59
Date Rec/Extracted: 07/02/12-07/09/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 90

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
309-00-2	Aldrin	0.0056	U	7421-93-4	Endrin Aldehyde	0.0056	U
319-84-6	alpha-BHC	0.0011	U	53494-70-5	Endrin Ketone	0.0056	U
319-85-7	beta-BHC	0.0011	U	58-89-9	gamma-BHC	0.0011	U
57-74-9	Chlordane	0.028	U	76-44-8	Heptachlor	0.0056	U
319-86-8	delta-BHC	0.0056	U	1024-57-3	Heptachlor Epoxide	0.0056	U
60-57-1	Dieldrin	0.0011	U	72-43-5	Methoxychlor	0.0056	U
959-98-8	Endosulfan I	0.0056	U	**72-54-8**	**(^)p,p'-DDD**	**0.0028**	**0.0041**
33213-65-9	Endosulfan II	0.0056	U	72-55-9	p,p'-DDE	0.0028	U
1031-07-8	Endosulfan Sulfate	0.0056	U	50-29-3	p,p'-DDT	0.0028	U
72-20-8	Endrin	0.0056	U	8001-35-2	Toxaphene	0.028	U

Worksheet #: 233475

Total Target Concentration 0.0041

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

2070213 0230

Data Path : G:\Gcdata\2012\GC_6\Data\07-10-12\
Data File : 6G34143.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jul 2012 10:59
Operator : JP/MS
Sample : AC66869-006
Misc : S,PEST
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Jul 10 12:41:41 2012
Quant Method : G:\GCDATA\2012\GC_6\METHODQT\6G_P0628.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Thu Jun 28 17:19:51 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	5.146	4.940	1127228	839383	100.413	98.116
15)p,p'-DDD	9.841	9.365	51611	52232	5.295m	7.357m#
22)DCB-Surrogate	12.446	12.619	1217043	954807	100.493m	102.551m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

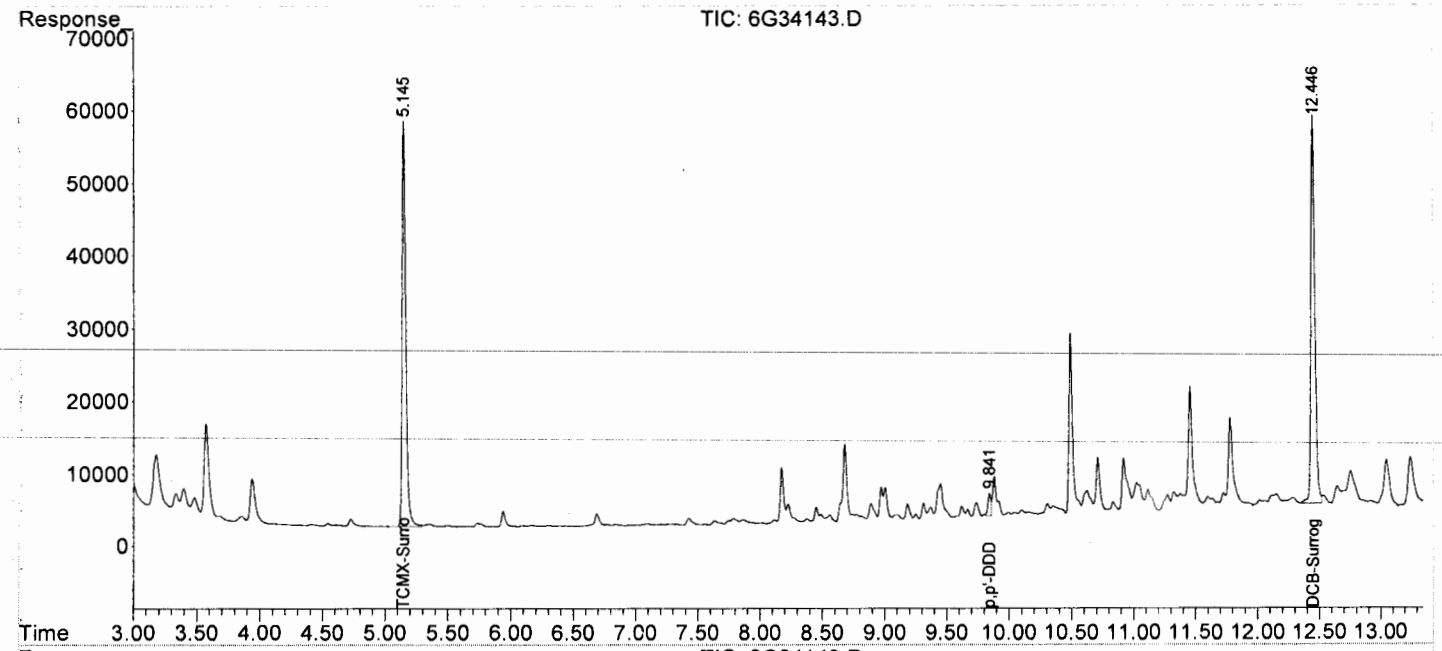
9P

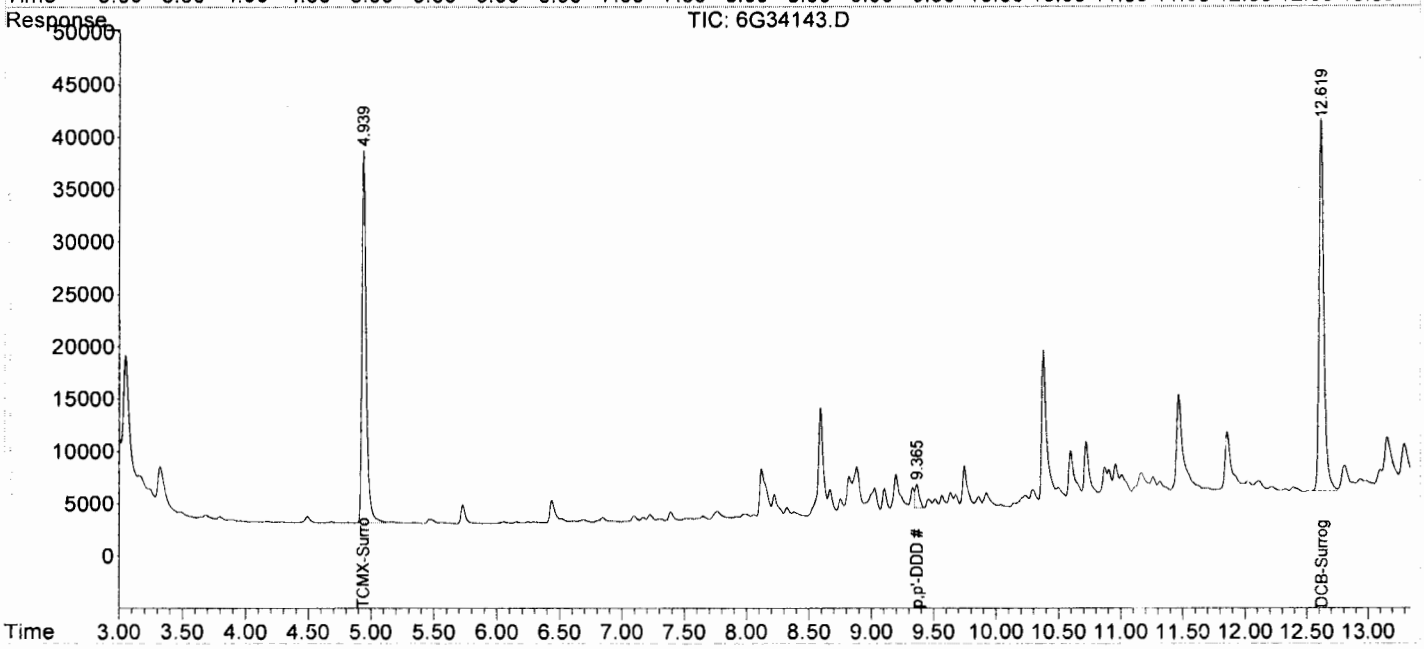
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_6\Data\07-10-12\
Data File : 6G34143.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jul 2012 10:59
Operator : JP/MS
Sample : AC66869-006
Misc : S,PEST
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Jul 10 12:41:41 2012
Quant Method : G:\GCDATA\2012\GC_6\METHODQT\6G_P0628.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Thu Jun 28 17:19:51 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AC66869-007
Client Id: RI-B2-C
Data File: 6G34141.D
Analysis Date: 07/10/12 10:25
Date Rec/Extracted: 07/02/12-07/09/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 94

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
309-00-2	Aldrin	0.0053	U	7421-93-4	Endrin Aldehyde	0.0053	U
319-84-6	alpha-BHC	0.0011	U	53494-70-5	Endrin Ketone	0.0053	U
319-85-7	beta-BHC	0.0011	U	58-89-9	gamma-BHC	0.0011	U
57-74-9	Chlordane	0.027	U	76-44-8	Heptachlor	0.0053	U
319-86-8	delta-BHC	0.0053	U	1024-57-3	Heptachlor Epoxide	0.0053	U
60-57-1	Dieldrin	0.0011	U	72-43-5	Methoxychlor	0.0053	U
959-98-8	Endosulfan I	0.0053	U	72-54-8	p,p'-DDD	0.0027	U
33213-65-9	Endosulfan II	0.0053	U	72-55-9	p,p'-DDE	0.0027	U
1031-07-8	Endosulfan Sulfate	0.0053	U	50-29-3	p,p'-DDT	0.0027	U
72-20-8	Endrin	0.0053	U	8001-35-2	Toxaphene	0.027	U

Worksheet #: 233475

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

2070213 0233

Data Path : G:\Gcdata\2012\GC_6\Data\07-10-12\
Data File : 6G34141.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jul 2012 10:25
Operator : JP/MS
Sample : AC66869-007
Misc : S,PEST
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Jul 10 12:05:13 2012
Quant Method : G:\GCDATA\2012\GC_6\METHODQT\6G_P0628.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Thu Jun 28 17:19:51 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	5.148	4.939	1181823	818037	105.561	95.621
22)DCB-Surrogate	12.449	12.621	1268166	947830	105.068	101.769

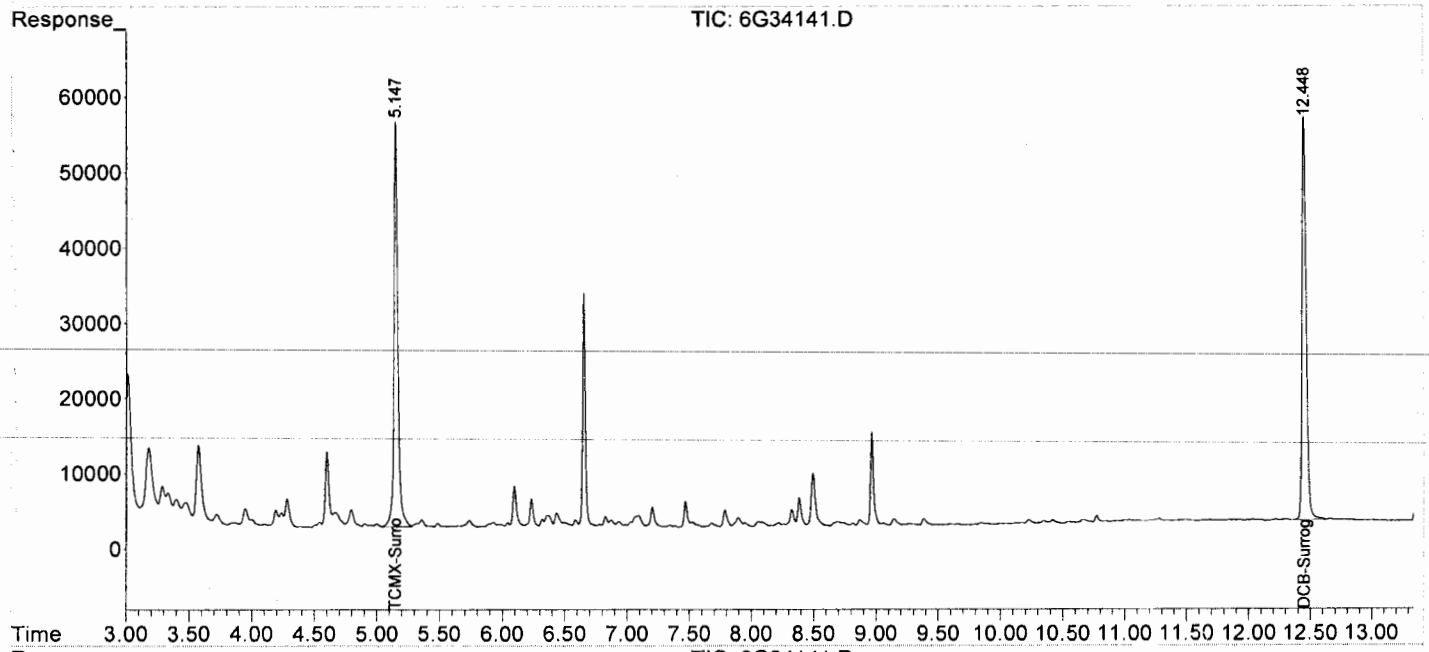
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

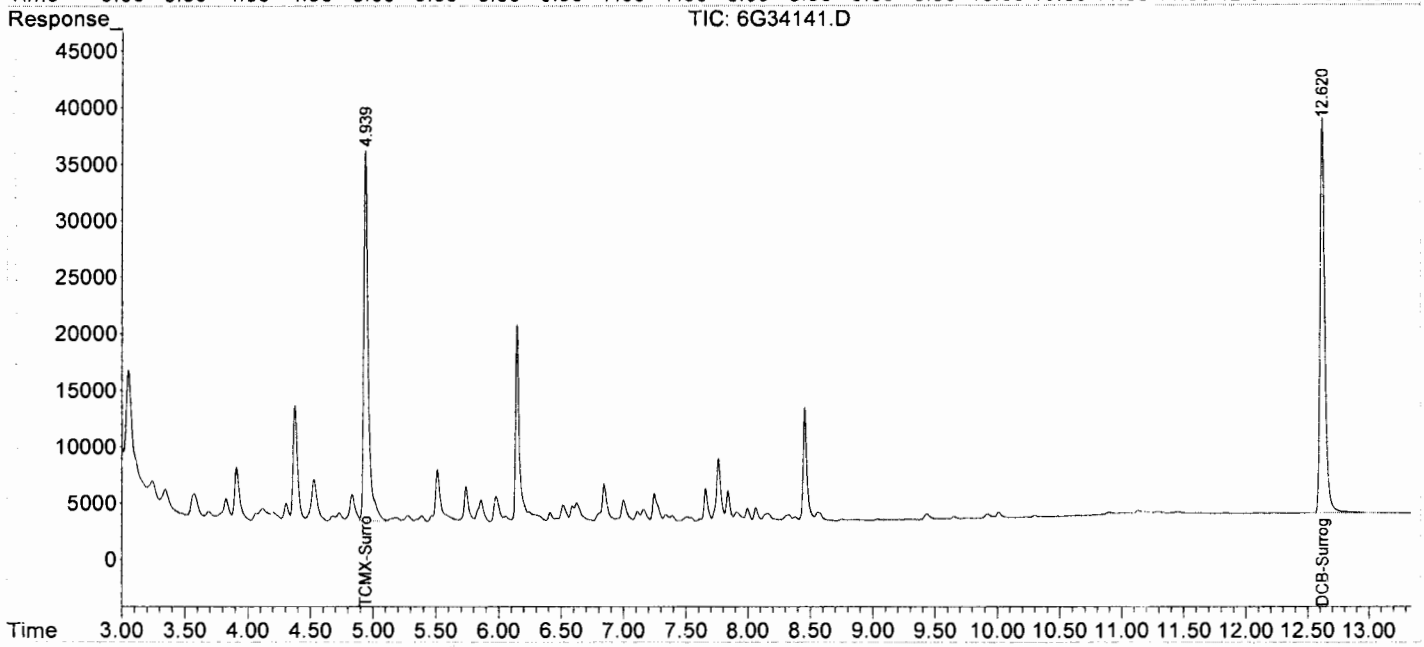
JP

Data Path : G:\Gcdata\2012\GC_6\Data\07-10-12\
Data File : 6G34141.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jul 2012 10:25
Operator : JP/MS
Sample : AC66869-007
Misc : S,PEST
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Jul 10 12:05:13 2012
Quant Method : G:\GCDATA\2012\GC_6\METHODQT\6G_P0628.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Thu Jun 28 17:19:51 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AC66869-008
Client Id: RI-B3-A (DUP)
Data File: 6G34144.D
Analysis Date: 07/10/12 11:16
Date Rec/Extracted: 07/02/12-07/09/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 91

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
309-00-2	Aldrin	0.0055	U	7421-93-4	Endrin Aldehyde	0.0055	U
319-84-6	alpha-BHC	0.0011	U	53494-70-5	Endrin Ketone	0.0055	U
319-85-7	beta-BHC	0.0011	U	58-89-9	gamma-BHC	0.0011	U
57-74-9	Chlordane	0.027	U	76-44-8	Heptachlor	0.0055	U
319-86-8	delta-BHC	0.0055	U	1024-57-3	Heptachlor Epoxide	0.0055	U
60-57-1	Dieldrin	0.0011	U	72-43-5	Methoxychlor	0.0055	U
959-98-8	Endosulfan I	0.0055	U	**72-54-8**	**(^)p,p'-DDD**	**0.0027**	**0.0050**
33213-65-9	Endosulfan II	0.0055	U	72-55-9	p,p'-DDE	0.0027	U
1031-07-8	Endosulfan Sulfate	0.0055	U	50-29-3	p,p'-DDT	0.0027	U
72-20-8	Endrin	0.0055	U	8001-35-2	Toxaphene	0.027	U

Worksheet #: 233475

Total Target Concentration 0.005

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

2070213 0236

Data Path : G:\Gcdata\2012\GC_6\Data\07-10-12\
Data File : 6G34144.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jul 2012 11:16
Operator : JP/MS
Sample : AC66869-008
Misc : S,PEST
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Jul 10 12:42:55 2012
Quant Method : G:\GCDATA\2012\GC_6\METHODQT\6G_P0628.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Thu Jun 28 17:19:51 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	5.146	4.939	1033338	782673	91.627	91.487
15)p,p'-DDD	9.838	9.367	80069	64283	8.222m	9.054m
22)DCB-Surrogate	12.447	12.620	1165198	929818	95.888m	99.753

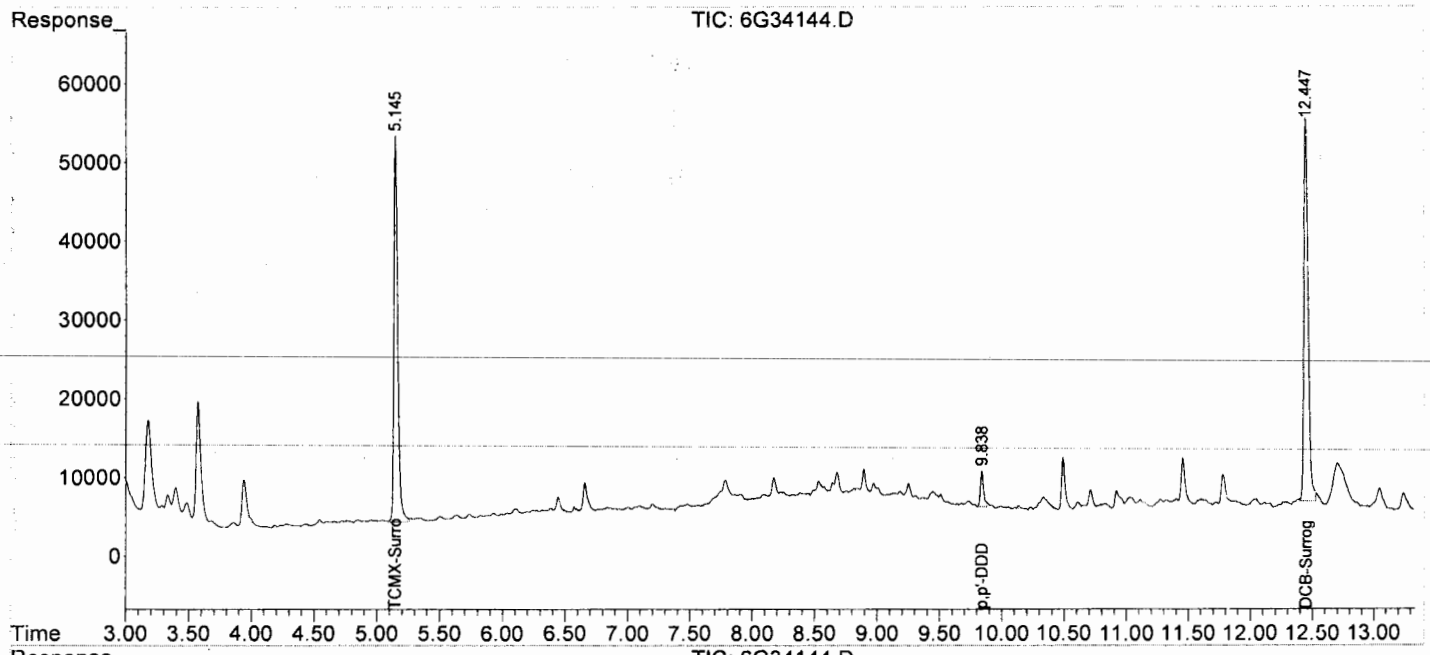
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

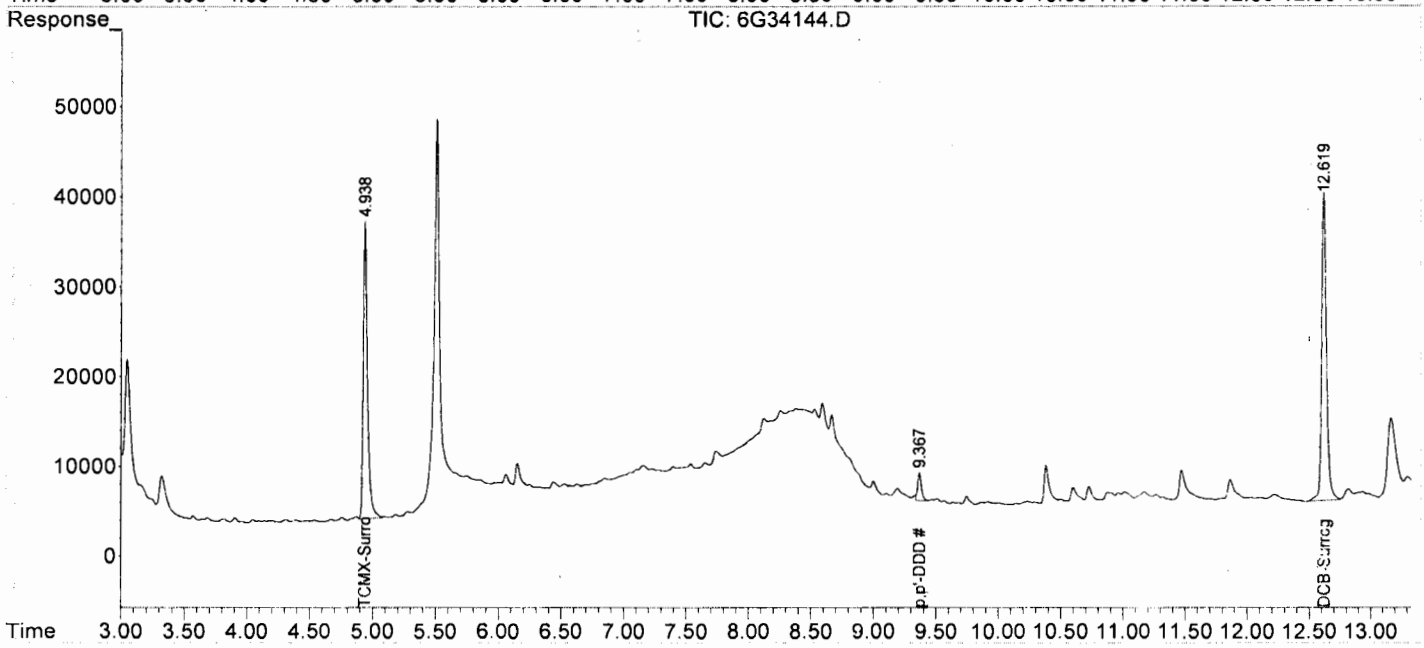
9P

Data Path : G:\Gcdata\2012\GC_6\Data\07-10-12\
Data File : 6G34144.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jul 2012 11:16
Operator : JP/MS
Sample : AC66869-008
Misc : S,PEST
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Jul 10 12:42:55 2012
Quant Method : G:\GCDATA\2012\GC_6\METHODQT\6G_P0628.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Thu Jun 28 17:19:51 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: SMB14776
Client Id:
Data File: 6G34134.D
Analysis Date: 07/10/12 08:24
Date Rec/Extracted: NA-07/09/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
309-00-2	Aldrin	0.0050	U	7421-93-4	Endrin Aldehyde	0.0050	U
319-84-6	alpha-BHC	0.0010	U	53494-70-5	Endrin Ketone	0.0050	U
319-85-7	beta-BHC	0.0010	U	58-89-9	gamma-BHC	0.0010	U
57-74-9	Chlordane	0.025	U	76-44-8	Heptachlor	0.0050	U
319-86-8	delta-BHC	0.0050	U	1024-57-3	Heptachlor Epoxide	0.0050	U
60-57-1	Dieldrin	0.0010	U	72-43-5	Methoxychlor	0.0050	U
959-98-8	Endosulfan I	0.0050	U	72-54-8	p,p'-DDD	0.0025	U
33213-65-9	Endosulfan II	0.0050	U	72-55-9	p,p'-DDE	0.0025	U
1031-07-8	Endosulfan Sulfate	0.0050	U	50-29-3	p,p'-DDT	0.0025	U
72-20-8	Endrin	0.0050	U	8001-35-2	Toxaphene	0.025	U

Worksheet #: 233475 ***Total Target Concentration*** 0 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

2070213 0239

Data Path : G:\Gcdata\2012\GC_6\Data\07-10-12\
Data File : 6G34134.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jul 2012 8:24
Operator : JP/MS
Sample : SMB14776
Misc : S,PEST
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Jul 10 10:58:25 2012
Quant Method : G:\GCDATA\2012\GC_6\METHODQT\6G_P0628.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Thu Jun 28 17:19:51 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	5.146	4.939	975929	742963	86.296	86.846
22)DCB-Surrogate	12.448	12.619	1144212	912064	94.033m	97.769

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

JP

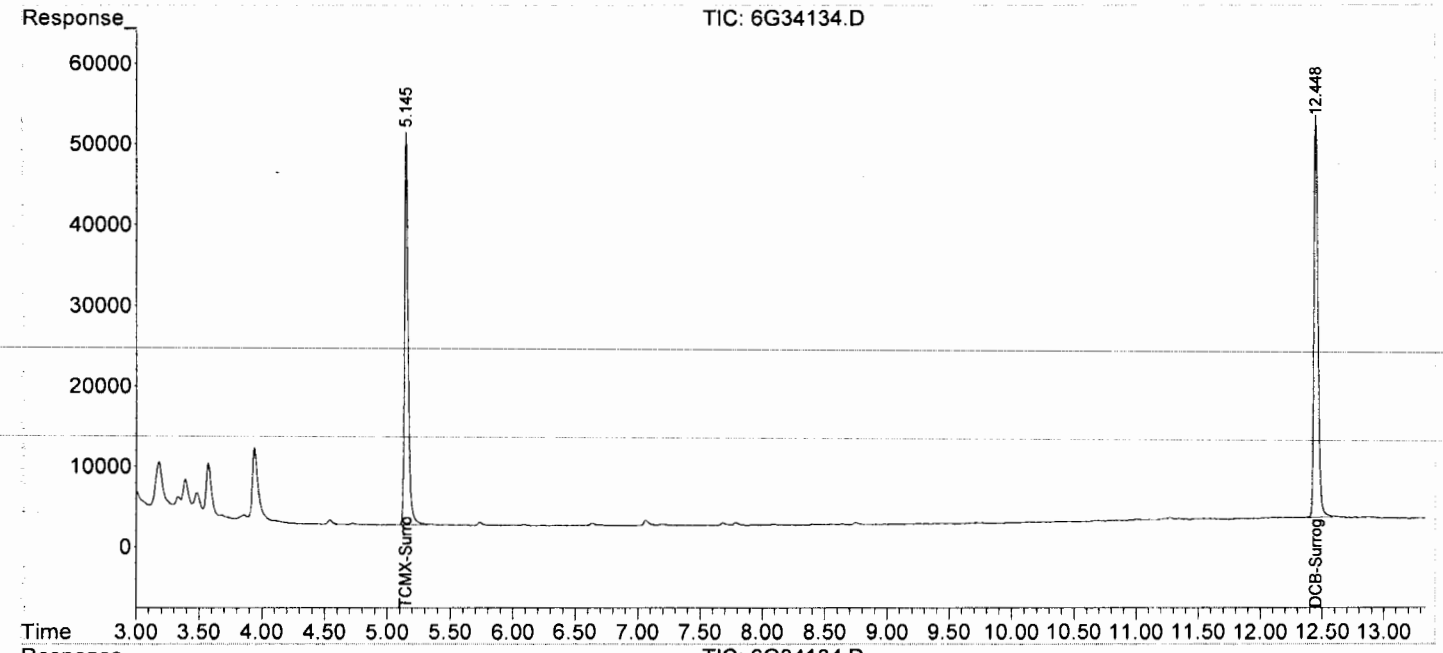
Quantitation Report (QT Reviewed)

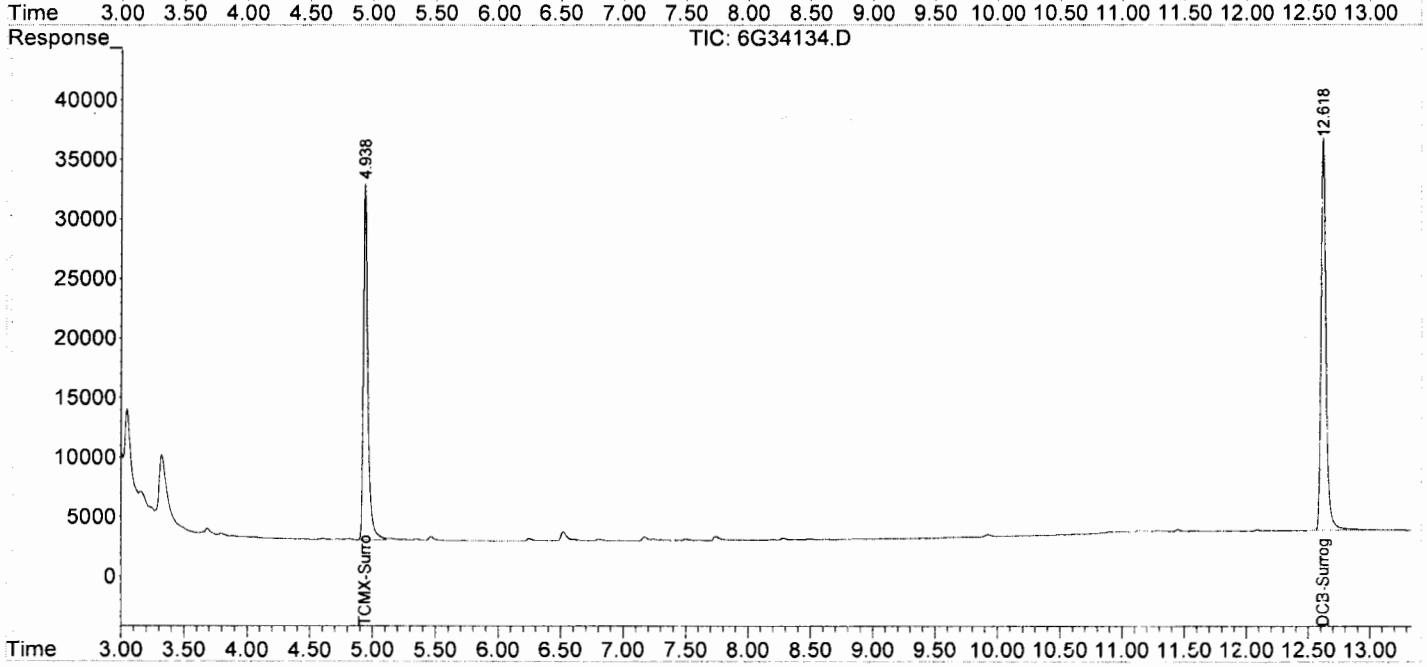
2070213 0240

Data Path : G:\Gcdata\2012\GC_6\Data\07-10-12\
Data File : 6G34134.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jul 2012 8:24
Operator : JP/MS
Sample : SMB14776
Misc : S,PEST
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Jul 10 10:58:25 2012
Quant Method : G:\GCDATA\2012\GC_6\METHODQT\6G_P0628.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Thu Jun 28 17:19:51 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32





FORM2

Surrogate Recovery

Method: EPA 8081A

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column2 S2 Recov	Column1 S3 Recov	Column2 S4 Recov	Column0 S5 Recov	Column0 S6 Recov
6G34134.D	SMB14776	Soil	07/10/12 08:24	1		86	87	94	98		
6G34135.D	AC66869-001	Soil	07/10/12 08:41	1		89	87	91	93		
6G34138.D	AC66869-002	Soil	07/10/12 09:32	1		81	85	92	92		
6G34139.D	AC66869-003	Soil	07/10/12 09:49	1		90	87	101	102		
6G34140.D	AC66869-004	Soil	07/10/12 10:06	1		89	80	92	95		
6G34142.D	AC66869-005	Soil	07/10/12 10:42	1		106	109	115	115		
6G34143.D	AC66869-006	Soil	07/10/12 10:59	1		100	98	100	103		
6G34141.D	AC66869-007	Soil	07/10/12 10:25	1		106	96	105	102		
6G34144.D	AC66869-008	Soil	07/10/12 11:16	1		92	91	96	100		
6G34136.D	AC66869-001(	Soil	07/10/12 08:58	1		94	88	95	94		
6G34137.D	AC66869-001(	Soil	07/10/12 09:15	1		84	85	94	88		
6G34148.D	SMB14776(M	Soil	07/10/12 12:59	1		105	106	106	113		

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: EPA 8081A

Soil Limits

Compound	Spike Amt	Limits
S1=TCMX-Surrogate	100	37-141
S2=TCMX-Surrogate	100	37-141
S3=DCB-Surrogate	100	33-146
S4=DCB-Surrogate	100	33-146

Form3
Recovery Data
QC Batch: SMB14776

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6G34148.D	SMB14776(MS)	7/10/2012 12:59:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8081 Matrix: Soil QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
alpha-BHC	1	94.11	0	100	94	60	130
gamma-BHC	1	93.22	0	100	93	60	130
beta-BHC	1	105.74	0	100	106	60	130
Heptachlor	1	89.85	0	100	90	60	130
delta-BHC	1	84.91	0	100	85	60	130
Aldrin	1	91.96	0	100	92	70	130
Heptachlor Epoxide	1	94.51	0	100	95	70	130
Endosulfan I	1	94.26	0	100	94	70	130
p,p'-DDE	1	92.33	0	100	92	70	130
Dieldrin	1	93.38	0	100	93	70	130
Endrin	1	101.09	0	100	101	70	130
p,p'-DDD	1	87.86	0	100	88	70	130
Endosulfan II	1	98.04	0	100	98	70	130
p,p'-DDT	1	94.1	0	100	94	70	130
Endrin Aldehyde	1	37.5	0	100	38	20	130
Endosulfan Sulfate	1	97.98	0	100	98	70	130
Methoxychlor	1	85.03	0	100	85	60	130
Endrin Ketone	1	81.91	0	100	82	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: SMB14776

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6G34136.D	AC66869-001(MS)	7/10/2012 8:58:00 AM
Non Spike(If applicable):	6G34135.D	AC66869-001	7/10/2012 8:41:00 AM
Inst Blank(If applicable):			

Method: 8081 Matrix: Soil QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
alpha-BHC	1	84.05	0	100	84	60	130
gamma-BHC	1	82.77	0	100	83	60	130
beta-BHC	1	100.29	0	100	100	60	130
Heptachlor	1	81.03	0	100	81	60	130
delta-BHC	1	75.86	0	100	76	60	130
Aldrin	1	79.49	0	100	79	70	130
Heptachlor Epoxide	1	87.98	0	100	88	70	130
Endosulfan I	1	95.5	0	100	96	70	130
p,p'-DDE	1	90.11	0	100	90	70	130
Dieldrin	1	88.77	0	100	89	70	130
Endrin	1	92.76	0	100	93	70	130
p,p'-DDD	1	80.42	0	100	80	70	130
Endosulfan II	1	77.38	0	100	77	70	130
p,p'-DDT	1	82.86	0	100	83	70	130
Endrin Aldehyde	1	50.06	0	100	50	20	130
Endosulfan Sulfate	1	91.65	0	100	92	70	130
Methoxychlor	1	70.72	0	100	71	60	130
Endrin Ketone	1	69.86	0	100	70	70	130

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6G34137.D	AC66869-001(MSD)	7/10/2012 9:15:00 AM
Non Spike(If applicable):	6G34135.D	AC66869-001	7/10/2012 8:41:00 AM
Inst Blank(If applicable):			

Method: 8081 Matrix: Soil QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
alpha-BHC	1	73.35	0	100	73	60	130
gamma-BHC	1	71.01	0	100	71	60	130
beta-BHC	1	91.31	0	100	91	60	130
Heptachlor	1	68.01	0	100	68	60	130
delta-BHC	1	69.28	0	100	69	60	130
Aldrin	1	75.39	0	100	75	70	130
Heptachlor Epoxide	1	73.37	0	100	73	70	130
Endosulfan I	1	75.78	0	100	76	70	130
p,p'-DDE	1	78.95	0	100	79	70	130
Dieldrin	1	81.43	0	100	81	70	130
Endrin	1	87.38	0	100	87	70	130
p,p'-DDD	1	77.64	0	100	78	70	130
Endosulfan II	1	75.21	0	100	75	70	130
p,p'-DDT	1	71.11	0	100	71	70	130
Endrin Aldehyde	1	48.94	0	100	49	20	130
Endosulfan Sulfate	1	82.27	0	100	82	70	130
Methoxychlor	1	59.22	0	100	59 *	60	130
Endrin Ketone	1	65.27	0	100	65 *	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
RPD DATA

QC Batch: SMB14776

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6G34137.D	AC66869-001(MSD)	7/10/2012 9:15:00 AM
Duplicate(If applicable):	6G34136.D	AC66869-001(MS)	7/10/2012 8:58:00 AM
Inst Blank(If applicable):			

Method: 8081 Matrix: Soil QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
alpha-BHC	1	73.35	84.05	14	40
gamma-BHC	1	71.01	82.77	15	40
beta-BHC	1	91.31	100.29	9.4	40
Heptachlor	1	68.01	81.03	17	40
delta-BHC	1	69.28	75.86	9.1	40
Aldrin	1	75.39	79.49	5.3	40
Heptachlor Epoxide	1	73.37	87.98	18	40
Endosulfan I	1	75.78	95.5	23	40
p,p'-DDE	1	78.95	90.11	13	40
Dieldrin	1	81.43	88.77	8.6	40
Endrin	1	87.38	92.76	6	40
p,p'-DDD	1	77.64	80.42	3.5	40
Endosulfan II	1	75.21	77.38	2.8	40
p,p'-DDT	1	71.11	82.86	15	40
Endrin Aldehyde	1	48.94	50.06	2.3	40
Endosulfan Sulfate	1	82.27	91.65	11	40
Methoxychlor	1	59.22	70.72	18	40
Endrin Ketone	1	65.27	69.86	6.8	40

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

FORM 4
Blank Summary

Blank Number: SMB14776
Blank Data File: 6G34134.D
Matrix: Soil

Blank Analysis Date: 07/10/12 08:24
Blank Extraction Date: 07/09/12
(If Applicable)
Method: EPA 8081A

Sample Number	Data File	Analysis Date
AC66869-001	6G34135.D	07/10/12 08:41
AC66869-002	6G34138.D	07/10/12 09:32
AC66869-003	6G34139.D	07/10/12 09:49
AC66869-004	6G34140.D	07/10/12 10:06
AC66869-005	6G34142.D	07/10/12 10:42
AC66869-006	6G34143.D	07/10/12 10:59
AC66869-007	6G34141.D	07/10/12 10:25
AC66869-008	6G34144.D	07/10/12 11:16
SMB14776(MS)	6G34148.D	07/10/12 12:59
AC66869-001(MSD	6G34137.D	07/10/12 09:15
AC66869-001(MS)	6G34136.D	07/10/12 08:58

Form 5

Method: EPA 8081A

Instrument: GC_6 Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Data File	Sample#	Analysis Date/Time	Matrix	Reference File	Column 1 RT	Column 1 % Drift	Column 2 RT	Column 2 % Drift
6G33939.D	CAL EVAL	06/28/12 12:51	Soil					
6G33940.D	2PPB	06/28/12 13:08	Soil					
6G33941.D	CAL PEST@10PPB	06/28/12 13:25	Soil	6G33942.	12.4577	0.0193	12.6285	0.004
6G33942.D	CAL PEST@2PPB	06/28/12 13:43	Soil	6G33942.	12.4601	0	12.6290	0
6G33943.D	CAL PEST@50PPB	06/28/12 14:00	Soil	6G33942.	12.4572	0.0233	12.6280	0.0079
6G33944.D	CAL PEST@100PPB	06/28/12 14:17	Soil	6G33942.	12.4552	0.0393	12.6267	0.0182
6G33945.D	CAL PEST@200PPB	06/28/12 14:34	Soil	6G33942.	12.4575	0.0209	12.6279	0.0087
6G33946.D	CAL PEST@400PPB	06/28/12 14:51	Soil	6G33942.	12.4564	0.0297	12.6264	0.0206
6G33947.D	CAL CHLO@100PPB	06/28/12 15:08	Soil	6G33942.	12.4557	0.0353	12.6271	0.015
6G33948.D	100PPB	06/28/12 15:25	Soil	6G33942.	12.4570	0.0249	12.6283	0.0055
6G33949.D	CAL TOX@500PPB	06/28/12 15:42	Soil	6G33942.	12.4586	0.012	12.6294	0.0032
6G33950.D	ICV@100PPB	06/28/12 15:59	Soil	6G33942.	12.4576	0.0201	12.6291	0.0008
6G33951.D	CAL PEST@200PPB	06/28/12 16:16	Soil	6G33942.	12.4557	0.0353	12.6268	0.0174

Drift Compound: DCB-Surrogate Drift Limit(s): 0.5 (Pest/Pcb) 1.5(Herb/Tph) * - Values outside of limits for this column/run

Form 5

Method: EPA 8081A

Instrument: GC_6

Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Data File	Sample#	Analysis Date/Time	Matrix	Reference File	Column 1 RT	Column 1 % Drift	Column 2 RT	Column 2 % Drift
6G34130.D	CAL EVAL	07/10/12 07:02	Soil					
6G34131.D	200PPB	07/10/12 07:19	Soil					
6G34132.D	CAL PEST@400PPB	07/10/12 07:48	Soil	6G34132.	12.4460	0	12.6173	0
6G34133.D	MBS	07/10/12 08:06	Soil	6G34132.	12.4497	0.0297	12.6189	0.0127
6G34134.D	SMB14776	07/10/12 08:24	Soil	6G34132.	12.4477	0.0137	12.6190	0.0135
6G34135.D	AC66869-001	07/10/12 08:41	Soil	6G34132.	12.4462	0.0016	12.6193	0.0158
6G34136.D	AC66869-001(MS)	07/10/12 08:58	Soil	6G34132.	12.4465	0.004	12.6190	0.0135
6G34137.D	AC66869-001(MSD)	07/10/12 09:15	Soil	6G34132.	12.4462	0.0016	12.6199	0.0206
6G34138.D	AC66869-002	07/10/12 09:32	Soil	6G34132.	12.4480	0.0161	12.6204	0.0246
6G34139.D	AC66869-003	07/10/12 09:49	Soil	6G34132.	12.4472	0.0096	12.6204	0.0246
6G34140.D	AC66869-004	07/10/12 10:06	Soil	6G34132.	12.4463	0.0024	12.6197	0.019
6G34141.D	AC66869-007	07/10/12 10:25	Soil	6G34132.	12.4494	0.0273	12.6206	0.0261
6G34142.D	AC66869-005	07/10/12 10:42	Soil	6G34132.	12.4476	0.0129	12.6195	0.0174
6G34143.D	AC66869-006	07/10/12 10:59	Soil	6G34132.	12.4459	0.0008	12.6193	0.0158
6G34144.D	AC66869-008	07/10/12 11:16	Soil	6G34132.	12.4465	0.004	12.6199	0.0206
6G34145.D	AC66854-001	07/10/12 11:33	Soil	6G34132.	12.4460	0	12.6201	0.0222
6G34146.D	AC66854-002	07/10/12 11:50	Soil	6G34132.	12.4457	0.0024	12.6211	0.0301
6G34147.D	AC66854-003	07/10/12 12:07	Soil	6G34132.	12.4469	0.0072	12.6208	0.0277
6G34148.D	SMB14776(MS)	07/10/12 12:59	Soil	6G34132.	12.4550	0.0723	12.6212	0.0309
6G34149.D	100PPB	07/10/12 13:33	Soil	6G34132.	12.4499	0.0313	12.6213	0.0317
6G34150.D	CAL PEST@100PPB	07/10/12 13:50	Soil	6G34132.	12.4491	0.0249	12.6212	0.0309

Drift Compound: DCB-Surrogate Drift Limit(s): 0.5 (Pest/Pcb) 1.5(Herb/Tph) * - Values outside of limits for this column/run

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Method: EPA 8081A

Initial Calibration

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	6G33942.	CAL PEST@2PPB	06/28/12 13:43	2	6G33941.	CAL PEST@10PPB	06/28/12 13:25
3	6G33943.	CAL PEST@50PPB	06/28/12 14:00	4	6G33944.	CAL PEST@100PPB	06/28/12 14:17
5	6G33945.	CAL PEST@200PPB	06/28/12 14:34	6	6G33946.	CAL PEST@400PPB	06/28/12 14:51
7	6G33947.	CAL CHLO@100PPB	06/28/12 15:08	8	6G33949.	CAL TOX@500PPB	06/28/12 15:42

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8
TCMX-Surrogate	1	0	Qua	0.9147	0.9846	1.1964	1.1211	1.0607	0.9465	----	----	1.04	5.15	0.995	1.00	10	2.00	10.00	50.00	100.0	200.0	400.0		
alpha-BHC	1	0	Qua	0.8064	0.8639	1.4845	1.5021	1.3927	1.2735	----	----	1.22	6.33	0.996	1.00	25	2.00	10.00	50.00	100.0	200.0	400.0		
gamma-BHC	1	0	Qua	0.9010	0.8672	1.4689	1.4008	1.2919	1.1597	----	----	1.18	6.85	0.994	1.00	21	2.00	10.00	50.00	100.0	200.0	400.0		
beta-BHC	1	0	Avg	0.6809	0.5985	0.7164	0.6872	0.6562	0.5936	----	----	0.655	7.73	0.996	1.00	7.6	2.00	10.00	50.00	100.0	200.0	400.0		
Heptachlor	1	0	Qua	0.9320	0.8364	1.1292	1.1962	1.0616	0.9488	----	----	1.02	7.15	0.993	1.00	13	2.00	10.00	50.00	100.0	200.0	400.0		
delta-BHC	1	0	Qua	1.0257	0.9373	1.3609	1.3819	1.2871	1.1654	----	----	1.19	8.07	0.996	1.00	15	2.00	10.00	50.00	100.0	200.0	400.0		
Aldrin	1	0	Qua	0.7613	0.8345	1.2076	1.2937	1.1254	1.0503	----	----	1.05	7.53	0.996	0.999	20	2.00	10.00	50.00	100.0	200.0	400.0		
Heptachlor Epoxide	1	0	Qua	0.9017	0.9351	1.2750	1.1777	1.0735	0.9618	----	----	1.05	8.35	0.994	1.00	14	2.00	10.00	50.00	100.0	200.0	400.0		
y-chlordane	1	0	Qua	1.2832	1.1163	1.5457	1.4656	1.2886	1.1381	----	----	1.31	8.75	0.992	0.999	13	2.00	10.00	50.00	100.0	200.0	400.0		
a-chlordane	1	0	Qua	1.0187	1.0016	1.2982	1.2475	1.1255	1.0250	----	----	1.12	8.82	0.995	1.00	11	2.00	10.00	50.00	100.0	200.0	400.0		
Endosulfan I	1	0	Qua	0.6814	0.6824	1.0080	0.8794	0.8335	0.7444	----	----	0.805	8.72	0.995	1.00	16	2.00	10.00	50.00	100.0	200.0	400.0		
p,p'-DDE	1	0	Qua	0.7899	0.7503	1.1371	1.1965	1.0637	0.9804	----	----	0.986	8.90	0.996	0.999	19	2.00	10.00	50.00	100.0	200.0	400.0		
Dieldrin	1	0	Qua	0.7714	0.7412	1.1507	1.2049	1.0433	0.9466	----	----	0.976	9.16	0.994	0.999	20	2.00	10.00	50.00	100.0	200.0	400.0		
Endrin	1	0	Qua	0.6683	0.6444	0.9296	1.0358	0.8908	0.8147	----	----	0.831	9.43	0.994	0.999	18	2.00	10.00	50.00	100.0	200.0	400.0		
p,p'-DDD	1	0	Qua	0.7070	0.6127	1.0229	1.0042	0.8896	0.8587	----	----	0.849	9.85	0.998	0.999	19	2.00	10.00	50.00	100.0	200.0	400.0		
Endosulfan II	1	0	Qua	0.7945	0.7817	1.1390	1.1674	1.0349	0.9034	----	----	0.970	9.98	0.991	1.00	17	2.00	10.00	50.00	100.0	200.0	400.0		
p,p'-DDT	1	0	Qua	0.3188	0.3528	0.6484	0.8145	0.7412	0.7126	----	----	0.598	10.06	0.998	0.999	35	2.00	10.00	50.00	100.0	200.0	400.0		
Endrin Aldehyde	1	0	Qua	0.6853	0.6092	0.9858	0.8756	0.7663	0.7985	----	----	0.787	10.47	0.998	0.998	17	2.00	10.00	50.00	100.0	200.0	400.0		
Endosulfan Sulfate	1	0	Avg	0.8417	0.8288	0.9841	0.9965	0.8878	0.7940	----	----	0.889	10.84	0.994	1.00	9.5	2.00	10.00	50.00	100.0	200.0	400.0		
Methoxychlor	1	0	Qua	0.3694	0.4085	0.4563	0.5147	0.4514	0.4138	----	----	0.436	10.75	0.995	0.999	11	2.00	10.00	50.00	100.0	200.0	400.0		
Endrin Ketone	1	0	Qua	1.2560	0.9742	1.2557	1.3810	1.1208	0.9410	----	----	1.15	11.38	0.982	0.998	15	2.00	10.00	50.00	100.0	200.0	400.0		
DCB-Surrogate	1	0	Qua	1.3863	1.4085	1.2755	1.2986	1.0870	0.9475	----	----	1.23	12.46	0.989	0.999	15	2.00	10.00	50.00	100.0	200.0	400.0		
Chlordane	1	1	Avg	----	----	----	----	----	----	----	----	0.0356	6.95	-1	-1	Lvl=7	100.0							
Chlordane	1	2	Avg	----	----	----	----	----	----	----	----	0.104	8.75	-1	-1	Lvl=7	100.0							
Chlordane	1	3	Avg	----	----	----	----	----	----	----	----	0.187	8.82	-1	-1	Lvl=7	100.0							
Toxaphene	1	1	Avg	----	----	----	----	----	----	----	----	0.00339	8.82	-1	-1	Lvl=8	500.0							
Toxaphene	1	2	Avg	----	----	----	----	----	----	----	----	0.00431	9.08	-1	-1	Lvl=8	500.0							
Toxaphene	1	3	Avg	----	----	----	----	----	----	----	----	0.00878	9.89	-1	-1	Lvl=8	500.0							
Toxaphene	1	4	Avg	----	----	----	----	----	----	----	----	0.0160	10.34	-1	-1	Lvl=8	500.0							
Toxaphene	1	5	Avg	----	----	----	----	----	----	----	----	0.0148	10.81	-1	-1	Lvl=8	500.0							
TCMX-Surrogate	2	0	Avg	0.9797	0.8384	0.8601	0.8492	0.8126	0.7927	----	----	0.856	4.94	1.00	1.00	7.7	2.00	10.00	50.00	100.0	200.0	400.0		
alpha-BHC	2	0	Qua	0.7837	0.7557	1.0050	1.1064	1.1381	1.1527	----	----	0.990	5.85	1.00	1.00	18	2.00	10.00	50.00	100.0	200.0	400.0		
gamma-BHC	2	0	LinF	0.7625	0.7596	0.9581	1.0277	1.0341	1.0296	----	----	0.929	6.38	1.00	1.00	14	2.00	10.00	50.00	100.0	200.0	400.0		
beta-BHC	2	0	Avg	0.6309	0.5623	0.5648	0.5617	0.5461	0.5288	----	----	0.566	6.46	1.00	1.00	6.1	2.00	10.00	50.00	100.0	200.0	400.0		
Heptachlor	2	0	LinF	1.1677	0.8372	0.8610	0.9142	0.9055	0.8881	----	----	0.929	6.82	1.00	1.00	13	2.00	10.00	50.00	100.0	200.0	400.0		
delta-BHC	2	0	LinF	0.7263	0.7003	0.9400	1.0303	1.0501	1.0640	----	----	0.919	6.95	1.00	1.00	18	2.00	10.00	50.00	100.0	200.0	400.0		

Avg Rsd Col 1: 16.5 Avg Rsd Col 2: 9.26

Flags

c - failed the initial calibration criteria(if applicable)

Note:

Col = Column Number
Mr = MultiPeak Analyte 0=single peak analyte..>0=multi peak analyte (i.e. pcb/chlordane etc..)
Fit = Indicates whehter Avg RF, Linear, or Quadratic Curve was used for compound.
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.

All Response Factors = Response Factors / 10000
Initial Calibration Criteria: either %RSD <=20 or Corr >= .995
Columns: Signal #1 db-1701 : Signal #2 db-608

^Lvl: These compounds use a single pt calibration as specified by the method. The file used to update this calibration point is listed in the header under level #

Method: EPA 8081A

Initial Calibration

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	6G33942.	CAL PEST@2PPB	06/28/12 13:43	2	6G33941.	CAL PEST@10PPB	06/28/12 13:25
3	6G33943.	CAL PEST@50PPB	06/28/12 14:00	4	6G33944.	CAL PEST@100PPB	06/28/12 14:17
5	6G33945.	CAL PEST@200PPB	06/28/12 14:34	6	6G33946.	CAL PEST@400PPB	06/28/12 14:51
7	6G33947.	CAL CHLO@100PPB	06/28/12 15:08	8	6G33949.	CAL TOX@500PPB	06/28/12 15:42

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8
Aldrin	2	0	LinF	0.7834	0.7403	0.8654	0.9352	0.9425	0.9317	----	----	0.866	7.26	1.00	1.00	10	2.00	10.00	50.00	100.0	200.0	400.0		
Heptachlor Epoxide	2	0	Avg	0.8846	0.7995	0.8544	0.8849	0.8686	0.8484	----	----	0.857	7.98	1.00	1.00	3.7	2.00	10.00	50.00	100.0	200.0	400.0		
γ-chlordane	2	0	Avg	0.9272	0.8409	0.8945	0.9326	0.9158	0.8990	----	----	0.902	8.19	1.00	1.00	3.7	2.00	10.00	50.00	100.0	200.0	400.0		
a-chlordane	2	0	Avg	0.8298	0.7856	0.8377	0.8603	0.8297	0.8029	----	----	0.824	8.39	1.00	1.00	3.2	2.00	10.00	50.00	100.0	200.0	400.0		
Endosulfan I	2	0	Avg	0.8930	0.8243	0.8928	0.9481	0.9423	0.9303	----	----	0.905	8.44	1.00	1.00	5.1	2.00	10.00	50.00	100.0	200.0	400.0		
p,p'-DDE	2	0	LinF	0.7254	0.6773	0.7899	0.8617	0.8662	0.8608	----	----	0.797	8.68	1.00	1.00	10	2.00	10.00	50.00	100.0	200.0	400.0		
Dieldrin	2	0	Avg	0.7638	0.6882	0.7846	0.8504	0.8537	0.8499	----	----	0.798	8.82	1.00	1.00	8.3	2.00	10.00	50.00	100.0	200.0	400.0		
Endrin	2	0	Avg	0.5997	0.5411	0.6118	0.6651	0.6718	0.6667	----	----	0.626	9.29	1.00	1.00	8.3	2.00	10.00	50.00	100.0	200.0	400.0		
p,p'-DDD	2	0	LinF	0.5901	0.5540	0.6628	0.7063	0.7060	0.7120	----	----	0.655	9.37	1.00	1.00	10	2.00	10.00	50.00	100.0	200.0	400.0		
Endosulfan II	2	0	Avg	0.8020	0.7219	0.7974	0.8223	0.8018	0.7917	----	----	0.790	9.51	1.00	1.00	4.4	2.00	10.00	50.00	100.0	200.0	400.0		
p,p'-DDT	2	0	LinF	0.5540	0.5068	0.5912	0.6625	0.6771	0.6805	----	----	0.612	9.75	1.00	1.00	12	2.00	10.00	50.00	100.0	200.0	400.0		
Endrin Aldehyde	2	0	LinF	0.8761	0.6540	0.6913	0.6635	0.6365	0.6419	----	----	0.694	9.91	1.00	1.00	13	2.00	10.00	50.00	100.0	200.0	400.0		
Endosulfan Sulfate	2	0	Avg	0.8153	0.6674	0.7284	0.7380	0.7192	0.7151	----	----	0.731	10.06	1.00	1.00	6.6	2.00	10.00	50.00	100.0	200.0	400.0		
Methoxychlor	2	0	Avg	0.4079	0.3852	0.3614	0.3911	0.3736	0.3579	----	----	0.380	10.80	0.999	1.00	5.0	2.00	10.00	50.00	100.0	200.0	400.0		
Endrin Ketone	2	0	Avg	0.7676	0.8540	0.9371	0.9848	0.9477	0.9250	----	----	0.903	11.04	1.00	1.00	8.7	2.00	10.00	50.00	100.0	200.0	400.0		
DCB-Surrogate	2	0	Qua	1.2001	1.0862	1.0181	0.9644	0.8738	0.8198	----	----	0.994	12.63	0.998	1.00	14	2.00	10.00	50.00	100.0	200.0	400.0		
Chlordane	2	1	Avg	----	----	----	----	----	----	----	----	0.0366	6.61	-1	-1	Lvl=7	100.0							
Chlordane	2	2	Avg	----	----	----	----	----	----	----	----	0.164	8.19	-1	-1	Lvl=7	100.0							
Chlordane	2	3	Avg	----	----	----	----	----	----	----	----	0.0880	8.39	-1	-1	Lvl=7	100.0							
Toxaphene	2	1	Avg	----	----	----	----	----	----	----	----	0.00441	8.56	-1	-1	Lvl=8	500.0							
Toxaphene	2	2	Avg	----	----	----	----	----	----	----	----	0.00442	8.65	-1	-1	Lvl=8	500.0							
Toxaphene	2	3	Avg	----	----	----	----	----	----	----	----	0.00848	9.80	-1	-1	Lvl=8	500.0							
Toxaphene	2	4	Avg	----	----	----	----	----	----	----	----	0.0139	10.55	-1	-1	Lvl=8	500.0							
Toxaphene	2	5	Avg	----	----	----	----	----	----	----	----	0.00878	10.62	-1	-1	Lvl=8	500.0							

Avg Rsd Col 1: 16.5 Avg Rsd Col 2: 9.26

Flags

c - failed the initial calibration criteria(if applicable)

Note:

Col = Column Number
Mr = MultiPeak Analyte 0=single peak analyte..>0=multi peak analyte (i.e. pcb/chlordane etc..)
Fit = Indicates whehter Avg RF, Linear, or Quadratic Curve was used for compound.
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.

All Response Factors = Response Factors / 10000
Initial Calibration Criteria: either %RSD <=20 or Corr >= .995
Columns: Signal #1 db-1701 : Signal #2 db-608

^Lvl: These compounds use a single pt calibration as specified by the method. The file used to update this calibration point is listed in the header under level #

2070213 0249

Form7
Continuing Calibration

Method: EPA 8081A

Data File:				6G34132.D				6G34150.D																
Method:				8081				8081																
Calibration Name:				CAL PEST@400PP				CAL PEST@100PP																
Calibration Date/Time				07/10/12 07:48				07/10/12 13:50																
					Conc				Conc				Conc			Conc			Conc					
Compound	Limit	Col	Mr	Conc	Exp	%Diff		Conc	Exp	%Diff		Conc	Exp	%Diff	Conc	Exp	%Diff	Conc	Exp	%Diff				
TCMX-Surrogate	15	1	0	450.1	400	12.5		92.75	100	7.3														
alpha-BHC	15	1	0	409.8	400	2.5		97.05	100	2.9														
gamma-BHC	15	1	0	418.4	400	4.6		96.76	100	3.2														
beta-BHC	15	1	0	396.1	400	1.0		100.9	100	0.9														
Heptachlor	15	1	0	385.6	400	3.6		92.28	100	7.7														
delta-BHC	15	1	0	419.4	400	4.8		96.56	100	3.4														
Aldrin	15	1	0	437.8	400	9.4		101.6	100	1.6														
Heptachlor Epoxide	15	1	0	433.2	400	8.3		96.17	100	3.8														
y-chlordane	15	1	0	455	400	13.7		101.3	100	1.3														
a-chlordane	15	1	0	457.7	400	14.4		97.87	100	2.1														
Endosulfan I	15	1	0	430.6	400	7.6		101.7	100	1.7														
p,p'-DDE	15	1	0	456.4	400	14.1		92.14	100	7.9														
Dieldrin	15	1	0	428.7	400	7.2		88.26	100	11.7														
Endrin	15	1	0	410.5	400	2.6		89.48	100	10.5														
p,p'-DDD	15	1	0	377.7	400	5.6		95.73	100	4.3														
Endosulfan II	15	1	0	445.9	400	11.5		91.54	100	8.5														
p,p'-DDT	15	1	0	427.3	400	6.8		85.51	100	14.5														
Endrin Aldehyde	15	1	0	427.4	400	6.8		93.37	100	6.1														
Endosulfan Sulfate	15	1	0	413.1	400	3.3		102.6	100	2.6														
Methoxychlor	15	1	0	350	400	12.5		85.66	100	14.3														
Endrin Ketone	15	1	0	410.1	400	4.8		89.05	100	11.0														
DCB-Surrogate	15	1	0	479.1	400	19.8*		89.66	100	10.3														
Average Difference	15	1	0			8.1				6.3														
TCMX-Surrogate	15	2	0	398.7	400	0.3		99.12	100	0.9														
alpha-BHC	15	2	0	412.6	400	3.1		96.82	100	3.2														
gamma-BHC	15	2	0	412.1	400	3.0		96.37	100	3.6														
beta-BHC	15	2	0	406.1	400	1.5		100.7	100	0.7														
Heptachlor	15	2	0	355.0	400	11.2		92.27	100	7.7														
delta-BHC	15	2	0	408.8	400	2.2		92.89	100	7.1														
Aldrin	15	2	0	437.9	400	9.5		97.57	100	2.4														
Heptachlor Epoxide	15	2	0	427.0	400	6.8		99	100	1.0														
y-chlordane	15	2	0	446.2	400	11.6		100.5	100	0.5														
a-chlordane	15	2	0	427.4	400	6.9		99.88	100	0.1														
Endosulfan I	15	2	0	456.1	400	14.0		101.9	100	1.9														
p,p'-DDE	15	2	0	442.8	400	10.7		95.44	100	4.6														
Dieldrin	15	2	0	424.1	400	6.0		100.1	100	0.1														
Endrin	15	2	0	406.1	400	1.5		97.71	100	2.3														
p,p'-DDD	15	2	0	372	400	7.0		90.17	100	9.8														
Endosulfan II	15	2	0	433.0	400	8.3		98.96	100	1.0														
p,p'-DDT	15	2	0	382.0	400	4.5		84.57	100	15.4														
Endrin Aldehyde	15	2	0	408.2	400	2.1		96	100	4.0														
Endosulfan Sulfate	15	2	0	412.6	400	3.2		92.18	100	7.8														
Methoxychlor	15	2	0	283.7	400	29.1*		82.31	100	17.7*														
Endrin Ketone	15	2	0	375.3	400	6.2		99.86	100	0.1														
DCB-Surrogate	15	2	0	470.7	400	17.7*		97.47	100	2.5														
Average Difference	15	2	0			7.6				4.3														

Flags/Notes: **** - Values outside of limits for this column/run***

Form7

RtWindow Summary

Method: EPA 8081A

Data File:			6G33942.D		6G34132.D							
Calibration Name:			CAL PEST@2PPB		CAL PEST@400PPB							
Calibration Date/Time			6/28/2012 1:43:00 PM		7/10/2012 7:48:00 AM							
Compound	Col	Mr	Cal RT	Limit	Cal RT	Limit	Cal RT	Limit	Cal RT	Limit	Cal RT	Limit
TCMX-Surrogate	1	0	5.15	(5.09 - 5.21)	5.14	(5.08 - 5.20)						
alpha-BHC	1	0	6.33	(6.29 - 6.37)	6.32	(6.28 - 6.36)						
gamma-BHC	1	0	6.85	(6.81 - 6.89)	6.84	(6.80 - 6.88)						
beta-BHC	1	0	7.73	(7.65 - 7.81)	7.72	(7.64 - 7.80)						
Heptachlor	1	0	7.15	(7.11 - 7.19)	7.14	(7.10 - 7.18)						
delta-BHC	1	0	8.08	(8.00 - 8.16)	8.06	(7.98 - 8.14)						
Aldrin	1	0	7.53	(7.45 - 7.61)	7.52	(7.44 - 7.60)						
Heptachlor Epoxide	1	0	8.35	(8.31 - 8.39)	8.35	(8.31 - 8.39)						
v-chlordane	1	0	8.75	(8.71 - 8.79)	8.74	(8.70 - 8.78)						
a-chlordane	1	0	8.82	(8.78 - 8.86)	8.81	(8.77 - 8.85)						
Endosulfan I	1	0	8.72	(8.68 - 8.76)	8.71	(8.67 - 8.75)						
p,p'-DDE	1	0	8.90	(8.82 - 8.98)	8.89	(8.81 - 8.97)						
Dieldrin	1	0	9.16	(9.08 - 9.24)	9.15	(9.07 - 9.23)						
Endrin	1	0	9.43	(9.39 - 9.47)	9.42	(9.38 - 9.46)						
p,p'-DDD	1	0	9.85	(9.77 - 9.93)	9.84	(9.76 - 9.92)						
Endosulfan II	1	0	9.98	(9.90 - 10.06)	9.97	(9.89 - 10.05)						
p,p'-DDT	1	0	10.06	(9.98 - 10.14)	10.05	(9.97 - 10.13)						
Endrin Aldehyde	1	0	10.47	(10.39 - 10.55)	10.46	(10.38 - 10.54)						
Endosulfan Sulfate	1	0	10.84	(10.80 - 10.88)	10.83	(10.79 - 10.87)						
Methoxychlor	1	0	10.75	(10.71 - 10.79)	10.74	(10.70 - 10.78)						
Endrin Ketone	1	0	11.38	(11.30 - 11.46)	11.37	(11.29 - 11.45)						
DCB-Surrogate	1	0	12.46	(12.40 - 12.52)	12.45	(12.39 - 12.51)						
Chlordane	1	1	6.95	(6.91 - 6.99)								
Chlordane	1	2	8.75	(8.71 - 8.79)								
Chlordane	1	3	8.82	(8.78 - 8.86)								
Toxaphene	1	1	8.82	(8.78 - 8.86)								
Toxaphene	1	2	9.08	(9.04 - 9.12)								
Toxaphene	1	3	9.89	(9.85 - 9.93)								
Toxaphene	1	4	10.34	(10.30 - 10.38)								
Toxaphene	1	5	10.81	(10.77 - 10.85)								
TCMX-Surrogate	2	0	4.95	(4.89 - 5.01)	4.94	(4.88 - 5.00)						
alpha-BHC	2	0	5.85	(5.81 - 5.89)	5.85	(5.80 - 5.88)						
gamma-BHC	2	0	6.38	(6.34 - 6.42)	6.37	(6.33 - 6.41)						
beta-BHC	2	0	6.46	(6.38 - 6.54)	6.45	(6.37 - 6.53)						
Heptachlor	2	0	6.82	(6.78 - 6.86)	6.81	(6.77 - 6.85)						
delta-BHC	2	0	6.95	(6.87 - 7.03)	6.94	(6.86 - 7.02)						
Aldrin	2	0	7.26	(7.18 - 7.34)	7.25	(7.17 - 7.33)						
Heptachlor Epoxide	2	0	7.98	(7.94 - 8.02)	7.97	(7.93 - 8.01)						
v-chlordane	2	0	8.19	(8.15 - 8.23)	8.18	(8.14 - 8.22)						
a-chlordane	2	0	8.39	(8.35 - 8.43)	8.38	(8.34 - 8.42)						
Endosulfan I	2	0	8.44	(8.40 - 8.48)	8.43	(8.39 - 8.47)						
p,p'-DDE	2	0	8.68	(8.60 - 8.76)	8.67	(8.59 - 8.75)						
Dieldrin	2	0	8.82	(8.74 - 8.90)	8.82	(8.74 - 8.90)						
Endrin	2	0	9.29	(9.25 - 9.33)	9.28	(9.24 - 9.32)						
p,p'-DDD	2	0	9.37	(9.29 - 9.45)	9.36	(9.28 - 9.44)						
Endosulfan II	2	0	9.51	(9.43 - 9.59)	9.50	(9.42 - 9.58)						
p,p'-DDT	2	0	9.75	(9.67 - 9.83)	9.74	(9.66 - 9.82)						
Endrin Aldehyde	2	0	9.91	(9.83 - 9.99)	9.90	(9.82 - 9.98)						
Endosulfan Sulfate	2	0	10.06	(10.02 - 10.10)	10.05	(10.01 - 10.09)						
Methoxychlor	2	0	10.80	(10.76 - 10.84)	10.79	(10.75 - 10.83)						
Endrin Ketone	2	0	11.04	(10.96 - 11.12)	11.03	(10.95 - 11.11)						
DCB-Surrogate	2	0	12.63	(12.57 - 12.69)	12.62	(12.56 - 12.68)						
Chlordane	2	1	6.61	(6.57 - 6.65)								
Chlordane	2	2	8.19	(8.15 - 8.23)								
Chlordane	2	3	8.39	(8.35 - 8.43)								
Toxaphene	2	1	8.56	(8.52 - 8.60)								
Toxaphene	2	2	8.65	(8.61 - 8.69)								
Toxaphene	2	3	9.80	(9.76 - 9.84)								
Toxaphene	2	4	10.55	(10.51 - 10.59)								
Toxaphene	2	5	10.62	(10.58 - 10.66)								

Metal Data

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC66869-001	% Solid:	90	Lab Name:	Veritech	Nras No:	
Client Id:	RI-B1-A	Units:	MG/KG	Lab Code:		Sdg No:	
Matrix:	SOIL	Date Rec:	7/2/2012	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	220	15000	1	0.5	50	07/16/12	16530	S14114C	37	P	PEICPRAD1A
7440-36-0	Antimony	2.2	ND	1	0.5	50	07/14/12	16530	S14114B3	33	P	PEICP3A
7440-38-2	Arsenic	2.2	ND	1	0.5	50	07/14/12	16530	S14114B3	33	P	PEICP3A
7440-39-3	Barium	11	130	1	0.5	50	07/14/12	16530	S14114B3	33	P	PEICP3A
7440-41-7	Beryllium	0.67	ND	1	0.5	50	07/14/12	16530	S14114B3	33	P	PEICP3A
7440-43-9	Cadmium	0.67	ND	1	0.5	50	07/14/12	16530	S14114B3	33	P	PEICP3A
7440-70-2	Calcium	1100	4000	1	0.5	50	07/16/12	16530	S14114C	37	P	PEICPRAD1A
7440-47-3	Chromium	5.6	35	1	0.5	50	07/14/12	16530	S14114B3	33	P	PEICP3A
7440-48-4	Cobalt	2.8	11	1	0.5	50	07/14/12	16530	S14114B3	33	P	PEICP3A
7440-50-8	Copper	5.6	29	1	0.5	50	07/14/12	16530	S14114B3	33	P	PEICP3A
7439-89-6	Iron	220	21000	1	0.5	50	07/13/12	16530	S14114A3	32	P	PEICPRAD3A
7439-92-1	Lead	5.6	36	1	0.5	50	07/14/12	16530	S14114B3	33	P	PEICP3A
7439-95-4	Magnesium	560	5600	1	0.5	50	07/16/12	16530	S14114C	37	P	PEICPRAD1A
7439-96-5	Manganese	11	400	1	0.5	50	07/14/12	16530	S14114B3	33	P	PEICP3A
7439-97-6	Mercury	0.093	ND	1	0.15	25	07/13/12	16530	H14114S	27	CV	HGCV1A
7440-02-0	Nickel	5.6	24	1	0.5	50	07/14/12	16530	S14114B3	33	P	PEICP3A
7440-09-7	Potassium	560	5000	1	0.5	50	07/16/12	16530	S14114C	37	P	PEICPRAD1A
7782-49-2	Selenium	2.0	ND	1	0.5	50	07/14/12	16530	S14114B3	33	P	PEICP3A
7440-22-4	Silver	1.7	ND	1	0.5	50	07/14/12	16530	S14114B3	33	P	PEICP3A
7440-23-5	Sodium	280	ND	1	0.5	50	07/16/12	16530	S14114C	37	P	PEICPRAD1A
7440-28-0	Thallium	1.3	ND	1	0.5	50	07/14/12	16530	S14114B3	33	P	PEICP3A
7440-62-2	Vanadium	11	38	1	0.5	50	07/14/12	16530	S14114B3	33	P	PEICP3A
7440-66-6	Zinc	11	91	1	0.5	50	07/14/12	16530	S14114B3	33	P	PEICP3A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC66869-002	% Solid:	88	Lab Name:	Veritech	Nras No:	
Client Id:	RI-B1-B	Units:	MG/KG	Lab Code:		Sdg No:	
Matrix:	SOIL	Date Rec:	7/2/2012	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	230	19000	1	0.5	50	07/16/12	16530	S14114C	38	P	PEICPRAD1A
7440-36-0	Antimony	2.3	ND	1	0.5	50	07/14/12	16530	S14114B3	34	P	PEICP3A
7440-38-2	Arsenic	2.3	ND	1	0.5	50	07/14/12	16530	S14114B3	34	P	PEICP3A
7440-39-3	Barium	11	110	1	0.5	50	07/14/12	16530	S14114B3	34	P	PEICP3A
7440-41-7	Beryllium	0.68	1.0	1	0.5	50	07/14/12	16530	S14114B3	34	P	PEICP3A
7440-43-9	Cadmium	0.68	ND	1	0.5	50	07/14/12	16530	S14114B3	34	P	PEICP3A
7440-70-2	Calcium	1100	2300	1	0.5	50	07/16/12	16530	S14114C	38	P	PEICPRAD1A
7440-47-3	Chromium	5.7	57	1	0.5	50	07/14/12	16530	S14114B3	34	P	PEICP3A
7440-48-4	Cobalt	2.8	14	1	0.5	50	07/14/12	16530	S14114B3	34	P	PEICP3A
7440-50-8	Copper	5.7	14	1	0.5	50	07/14/12	16530	S14114B3	34	P	PEICP3A
7439-89-6	Iron	230	30000	1	0.5	50	07/13/12	16530	S14114A3	33	P	PEICPRAD3A
7439-92-1	Lead	5.7	17	1	0.5	50	07/14/12	16530	S14114B3	34	P	PEICP3A
7439-95-4	Magnesium	570	9600	1	0.5	50	07/16/12	16530	S14114C	38	P	PEICPRAD1A
7439-96-5	Manganese	11	440	1	0.5	50	07/14/12	16530	S14114B3	34	P	PEICP3A
7439-97-6	Mercury	0.095	ND	1	0.15	25	07/13/12	16530	H14114S	28	CV	HGCV1A
7440-02-0	Nickel	5.7	33	1	0.5	50	07/14/12	16530	S14114B3	34	P	PEICP3A
7440-09-7	Potassium	570	5400	1	0.5	50	07/16/12	16530	S14114C	38	P	PEICPRAD1A
7782-49-2	Selenium	2.0	ND	1	0.5	50	07/14/12	16530	S14114B3	34	P	PEICP3A
7440-22-4	Silver	1.7	ND	1	0.5	50	07/14/12	16530	S14114B3	34	P	PEICP3A
7440-23-5	Sodium	280	ND	1	0.5	50	07/16/12	16530	S14114C	38	P	PEICPRAD1A
7440-28-0	Thallium	1.4	ND	1	0.5	50	07/14/12	16530	S14114B3	34	P	PEICP3A
7440-62-2	Vanadium	11	45	1	0.5	50	07/14/12	16530	S14114B3	34	P	PEICP3A
7440-66-6	Zinc	11	85	1	0.5	50	07/14/12	16530	S14114B3	34	P	PEICP3A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC66869-003	% Solid:	91	Lab Name:	Veritech	Nras No:	
Client Id:	RI-B2-A	Units:	MG/KG	Lab Code:		Sdg No:	
Matrix:	SOIL	Date Rec:	7/2/2012	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	220	19000	1	0.5	50	07/16/12	16530	S14114C	18	P	PEICPRAD1A
7440-36-0	Antimony	2.2	ND	1	0.5	50	07/14/12	16530	S14114B3	14	P	PEICP3A
7440-38-2	Arsenic	2.2	ND	1	0.5	50	07/14/12	16530	S14114B3	14	P	PEICP3A
7440-39-3	Barium	11	110	1	0.5	50	07/14/12	16530	S14114B3	14	P	PEICP3A
7440-41-7	Beryllium	0.66	ND	1	0.5	50	07/14/12	16530	S14114B3	14	P	PEICP3A
7440-43-9	Cadmium	0.66	ND	1	0.5	50	07/14/12	16530	S14114B3	14	P	PEICP3A
7440-70-2	Calcium	1100	2200	1	0.5	50	07/16/12	16530	S14114C	18	P	PEICPRAD1A
7440-47-3	Chromium	5.5	45	1	0.5	50	07/14/12	16530	S14114B3	14	P	PEICP3A
7440-48-4	Cobalt	2.7	13	1	0.5	50	07/14/12	16530	S14114B3	14	P	PEICP3A
7440-50-8	Copper	5.5	31	1	0.5	50	07/14/12	16530	S14114B3	14	P	PEICP3A
7439-89-6	Iron	220	24000	1	0.5	50	07/13/12	16530	S14114A3	13	P	PEICPRAD3A
7439-92-1	Lead	5.5	20	1	0.5	50	07/14/12	16530	S14114B3	14	P	PEICP3A
7439-95-4	Magnesium	550	6300	1	0.5	50	07/16/12	16530	S14114C	18	P	PEICPRAD1A
7439-96-5	Manganese	11	500	1	0.5	50	07/14/12	16530	S14114B3	14	P	PEICP3A
7439-97-6	Mercury	0.092	ND	1	0.15	25	07/13/12	16530	H14114S	14	CV	HGCV1A
7440-02-0	Nickel	5.5	29	1	0.5	50	07/14/12	16530	S14114B3	14	P	PEICP3A
7440-09-7	Potassium	550	5100	1	0.5	50	07/16/12	16530	S14114C	18	P	PEICPRAD1A
7782-49-2	Selenium	2.0	ND	1	0.5	50	07/14/12	16530	S14114B3	14	P	PEICP3A
7440-22-4	Silver	1.6	ND	1	0.5	50	07/14/12	16530	S14114B3	14	P	PEICP3A
7440-23-5	Sodium	270	ND	1	0.5	50	07/16/12	16530	S14114C	18	P	PEICPRAD1A
7440-28-0	Thallium	1.3	ND	1	0.5	50	07/14/12	16530	S14114B3	14	P	PEICP3A
7440-62-2	Vanadium	11	42	1	0.5	50	07/14/12	16530	S14114B3	14	P	PEICP3A
7440-66-6	Zinc	11	58	1	0.5	50	07/14/12	16530	S14114B3	14	P	PEICP3A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC66869-004	% Solid:	94	Lab Name:	Veritech	Nras No:	
Client Id:	RI-B2-B	Units:	MG/KG	Lab Code:		Sdg No:	
Matrix:	SOIL	Date Rec:	7/2/2012	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	210	16000	1	0.5	50	07/16/12	16530	S14114C	39	P	PEICPRAD1A
7440-36-0	Antimony	2.1	ND	1	0.5	50	07/14/12	16530	S14114B3	35	P	PEICP3A
7440-38-2	Arsenic	2.1	ND	1	0.5	50	07/14/12	16530	S14114B3	35	P	PEICP3A
7440-39-3	Barium	11	130	1	0.5	50	07/14/12	16530	S14114B3	35	P	PEICP3A
7440-41-7	Beryllium	0.64	ND	1	0.5	50	07/14/12	16530	S14114B3	35	P	PEICP3A
7440-43-9	Cadmium	0.64	ND	1	0.5	50	07/14/12	16530	S14114B3	35	P	PEICP3A
7440-70-2	Calcium	1100	3400	1	0.5	50	07/16/12	16530	S14114C	39	P	PEICPRAD1A
7440-47-3	Chromium	5.3	47	1	0.5	50	07/14/12	16530	S14114B3	35	P	PEICP3A
7440-48-4	Cobalt	2.7	11	1	0.5	50	07/14/12	16530	S14114B3	35	P	PEICP3A
7440-50-8	Copper	5.3	31	1	0.5	50	07/14/12	16530	S14114B3	35	P	PEICP3A
7439-89-6	Iron	210	23000	1	0.5	50	07/13/12	16530	S14114A3	34	P	PEICPRAD3A
7439-92-1	Lead	5.3	6.9	1	0.5	50	07/14/12	16530	S14114B3	35	P	PEICP3A
7439-95-4	Magnesium	530	6700	1	0.5	50	07/16/12	16530	S14114C	39	P	PEICPRAD1A
7439-96-5	Manganese	11	260	1	0.5	50	07/14/12	16530	S14114B3	35	P	PEICP3A
7439-97-6	Mercury	0.089	ND	1	0.15	25	07/13/12	16530	H14114S	29	CV	HGCV1A
7440-02-0	Nickel	5.3	24	1	0.5	50	07/14/12	16530	S14114B3	35	P	PEICP3A
7440-09-7	Potassium	530	7000	1	0.5	50	07/16/12	16530	S14114C	39	P	PEICPRAD1A
7782-49-2	Selenium	1.9	ND	1	0.5	50	07/14/12	16530	S14114B3	35	P	PEICP3A
7440-22-4	Silver	1.6	ND	1	0.5	50	07/14/12	16530	S14114B3	35	P	PEICP3A
7440-23-5	Sodium	270	ND	1	0.5	50	07/16/12	16530	S14114C	39	P	PEICPRAD1A
7440-28-0	Thallium	1.3	ND	1	0.5	50	07/14/12	16530	S14114B3	35	P	PEICP3A
7440-62-2	Vanadium	11	51	1	0.5	50	07/14/12	16530	S14114B3	35	P	PEICP3A
7440-66-6	Zinc	11	52	1	0.5	50	07/14/12	16530	S14114B3	35	P	PEICP3A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC66869-005	% Solid:	92	Lab Name:	Veritech	Nras No:	
Client Id:	RI-B3-A	Units:	MG/KG	Lab Code:		Sdg No:	
Matrix:	SOIL	Date Rec:	7/2/2012	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	220	17000	1	0.5	50	07/16/12	16530	S14114C	40	P	PEICPRAD1A
7440-36-0	Antimony	2.2	ND	1	0.5	50	07/14/12	16530	S14114B3	36	P	PEICP3A
7440-38-2	Arsenic	2.2	ND	1	0.5	50	07/14/12	16530	S14114B3	36	P	PEICP3A
7440-39-3	Barium	11	170	1	0.5	50	07/14/12	16530	S14114B3	36	P	PEICP3A
7440-41-7	Beryllium	0.65	ND	1	0.5	50	07/14/12	16530	S14114B3	36	P	PEICP3A
7440-43-9	Cadmium	0.65	ND	1	0.5	50	07/14/12	16530	S14114B3	36	P	PEICP3A
7440-70-2	Calcium	1100	1800	1	0.5	50	07/16/12	16530	S14114C	40	P	PEICPRAD1A
7440-47-3	Chromium	5.4	39	1	0.5	50	07/14/12	16530	S14114B3	36	P	PEICP3A
7440-48-4	Cobalt	2.7	11	1	0.5	50	07/14/12	16530	S14114B3	36	P	PEICP3A
7440-50-8	Copper	5.4	28	1	0.5	50	07/14/12	16530	S14114B3	36	P	PEICP3A
7439-89-6	Iron	220	26000	1	0.5	50	07/13/12	16530	S14114A3	35	P	PEICPRAD3A
7439-92-1	Lead	5.4	18	1	0.5	50	07/14/12	16530	S14114B3	36	P	PEICP3A
7439-95-4	Magnesium	540	7700	1	0.5	50	07/16/12	16530	S14114C	40	P	PEICPRAD1A
7439-96-5	Manganese	11	380	1	0.5	50	07/14/12	16530	S14114B3	36	P	PEICP3A
7439-97-6	Mercury	0.091	ND	1	0.15	25	07/13/12	16530	H14114S	30	CV	HGCV1A
7440-02-0	Nickel	5.4	25	1	0.5	50	07/14/12	16530	S14114B3	36	P	PEICP3A
7440-09-7	Potassium	540	7000	1	0.5	50	07/16/12	16530	S14114C	40	P	PEICPRAD1A
7782-49-2	Selenium	2.0	ND	1	0.5	50	07/14/12	16530	S14114B3	36	P	PEICP3A
7440-22-4	Silver	1.6	ND	1	0.5	50	07/14/12	16530	S14114B3	36	P	PEICP3A
7440-23-5	Sodium	270	ND	1	0.5	50	07/16/12	16530	S14114C	40	P	PEICPRAD1A
7440-28-0	Thallium	1.3	ND	1	0.5	50	07/14/12	16530	S14114B3	36	P	PEICP3A
7440-62-2	Vanadium	11	52	1	0.5	50	07/14/12	16530	S14114B3	36	P	PEICP3A
7440-66-6	Zinc	11	63	1	0.5	50	07/14/12	16530	S14114B3	36	P	PEICP3A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC66869-006	% Solid:	90	Lab Name:	Veritech	Nras No:	
Client Id:	RI-B3-B	Units:	MG/KG	Lab Code:		Sdg No:	
Matrix:	SOIL	Date Rec:	7/2/2012	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	220	17000	1	0.5	50	07/16/12	16530	S14114C	41	P	PEICPRAD1A
7440-36-0	Antimony	2.2	ND	1	0.5	50	07/14/12	16530	S14114B3	37	P	PEICP3A
7440-38-2	Arsenic	2.2	3.9	1	0.5	50	07/14/12	16530	S14114B3	37	P	PEICP3A
7440-39-3	Barium	11	150	1	0.5	50	07/14/12	16530	S14114B3	37	P	PEICP3A
7440-41-7	Beryllium	0.67	ND	1	0.5	50	07/14/12	16530	S14114B3	37	P	PEICP3A
7440-43-9	Cadmium	0.67	ND	1	0.5	50	07/14/12	16530	S14114B3	37	P	PEICP3A
7440-70-2	Calcium	1100	5300	1	0.5	50	07/16/12	16530	S14114C	41	P	PEICPRAD1A
7440-47-3	Chromium	5.6	41	1	0.5	50	07/14/12	16530	S14114B3	37	P	PEICP3A
7440-48-4	Cobalt	2.8	12	1	0.5	50	07/14/12	16530	S14114B3	37	P	PEICP3A
7440-50-8	Copper	5.6	48	1	0.5	50	07/14/12	16530	S14114B3	37	P	PEICP3A
7439-89-6	Iron	220	30000	1	0.5	50	07/14/12	16530	S14114A3	36	P	PEICPRAD3A
7439-92-1	Lead	5.6	180	1	0.5	50	07/14/12	16530	S14114B3	37	P	PEICP3A
7439-95-4	Magnesium	560	6700	1	0.5	50	07/16/12	16530	S14114C	41	P	PEICPRAD1A
7439-96-5	Manganese	11	950	1	0.5	50	07/14/12	16530	S14114B3	37	P	PEICP3A
7439-97-6	Mercury	0.093	0.15	1	0.15	25	07/13/12	16530	H14114S	31	CV	HGCV1A
7440-02-0	Nickel	5.6	31	1	0.5	50	07/14/12	16530	S14114B3	37	P	PEICP3A
7440-09-7	Potassium	560	5000	1	0.5	50	07/16/12	16530	S14114C	41	P	PEICPRAD1A
7782-49-2	Selenium	2.0	ND	1	0.5	50	07/14/12	16530	S14114B3	37	P	PEICP3A
7440-22-4	Silver	1.7	ND	1	0.5	50	07/14/12	16530	S14114B3	37	P	PEICP3A
7440-23-5	Sodium	280	ND	1	0.5	50	07/16/12	16530	S14114C	41	P	PEICPRAD1A
7440-28-0	Thallium	1.3	ND	1	0.5	50	07/14/12	16530	S14114B3	37	P	PEICP3A
7440-62-2	Vanadium	11	43	1	0.5	50	07/14/12	16530	S14114B3	37	P	PEICP3A
7440-66-6	Zinc	11	140	1	0.5	50	07/14/12	16530	S14114B3	37	P	PEICP3A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC66869-007	% Solid:	94	Lab Name:	Veritech	Nras No:	
Client Id:	RI-B2-C	Units:	MG/KG	Lab Code:		Sdg No:	
Matrix:	SOIL	Date Rec:	7/3/2012	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	210	9500	1	0.5	50	07/06/12	16536	S14119B3	24	P	PEICPRAD3A
7440-36-0	Antimony	2.1	ND	1	0.5	50	07/06/12	16536	S14119A3	25	P	PEICP3A
7440-38-2	Arsenic	2.1	ND	1	0.5	50	07/06/12	16536	S14119A3	25	P	PEICP3A
7440-39-3	Barium	11	99	1	0.5	50	07/06/12	16536	S14119A3	25	P	PEICP3A
7440-41-7	Beryllium	0.64	ND	1	0.5	50	07/06/12	16536	S14119A3	25	P	PEICP3A
7440-43-9	Cadmium	0.64	ND	1	0.5	50	07/06/12	16536	S14119A3	25	P	PEICP3A
7440-70-2	Calcium	1100	1300	1	0.5	50	07/06/12	16536	S14119B3	24	P	PEICPRAD3A
7440-47-3	Chromium	5.3	32	1	0.5	50	07/06/12	16536	S14119A3	25	P	PEICP3A
7440-48-4	Cobalt	2.7	8.7	1	0.5	50	07/06/12	16536	S14119A3	25	P	PEICP3A
7440-50-8	Copper	5.3	27	1	0.5	50	07/06/12	16536	S14119A3	25	P	PEICP3A
7439-89-6	Iron	210	15000	1	0.5	50	07/06/12	16536	S14119B3	24	P	PEICPRAD3A
7439-92-1	Lead	5.3	ND	1	0.5	50	07/06/12	16536	S14119A3	25	P	PEICP3A
7439-95-4	Magnesium	530	4100	1	0.5	50	07/06/12	16536	S14119B3	24	P	PEICPRAD3A
7439-96-5	Manganese	11	460	1	0.5	50	07/06/12	16536	S14119A3	25	P	PEICP3A
7439-97-6	Mercury	0.089	ND	1	0.15	25	07/09/12	16536	H14119S	23	CV	HGCV1A
7440-02-0	Nickel	5.3	21	1	0.5	50	07/06/12	16536	S14119A3	25	P	PEICP3A
7440-09-7	Potassium	530	4100	1	0.5	50	07/06/12	16536	S14119B3	24	P	PEICPRAD3A
7782-49-2	Selenium	1.9	ND	1	0.5	50	07/06/12	16536	S14119A3	25	P	PEICP3A
7440-22-4	Silver	1.6	ND	1	0.5	50	07/06/12	16536	S14119A3	25	P	PEICP3A
7440-23-5	Sodium	270	ND	1	0.5	50	07/06/12	16536	S14119B3	24	P	PEICPRAD3A
7440-28-0	Thallium	1.3	ND	1	0.5	50	07/06/12	16536	S14119C3	25	P	PEICP3A
7440-62-2	Vanadium	11	34	1	0.5	50	07/06/12	16536	S14119A3	25	P	PEICP3A
7440-66-6	Zinc	11	30	1	0.5	50	07/06/12	16536	S14119A3	25	P	PEICP3A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC66869-008	% Solid:	91	Lab Name:	Veritech	Nras No:	
Client Id:	RI-B3-A (DUP)	Units:	MG/KG	Lab Code:		Sdg No:	
Matrix:	SOIL	Date Rec:	7/2/2012	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	220	17000	1	0.5	50	07/16/12	16530	S14114C	42	P	PEICPRAD1A
7440-36-0	Antimony	2.2	ND	1	0.5	50	07/14/12	16530	S14114B3	40	P	PEICP3A
7440-38-2	Arsenic	2.2	2.3	1	0.5	50	07/14/12	16530	S14114B3	40	P	PEICP3A
7440-39-3	Barium	11	120	1	0.5	50	07/14/12	16530	S14114B3	40	P	PEICP3A
7440-41-7	Beryllium	0.66	ND	1	0.5	50	07/14/12	16530	S14114B3	40	P	PEICP3A
7440-43-9	Cadmium	0.66	ND	1	0.5	50	07/14/12	16530	S14114B3	40	P	PEICP3A
7440-70-2	Calcium	1100	2600	1	0.5	50	07/16/12	16530	S14114C	42	P	PEICPRAD1A
7440-47-3	Chromium	5.5	30	1	0.5	50	07/14/12	16530	S14114B3	40	P	PEICP3A
7440-48-4	Cobalt	2.7	13	1	0.5	50	07/14/12	16530	S14114B3	40	P	PEICP3A
7440-50-8	Copper	5.5	33	1	0.5	50	07/14/12	16530	S14114B3	40	P	PEICP3A
7439-89-6	Iron	220	21000	1	0.5	50	07/14/12	16530	S14114A3	39	P	PEICPRAD3A
7439-92-1	Lead	5.5	22	1	0.5	50	07/14/12	16530	S14114B3	40	P	PEICP3A
7439-95-4	Magnesium	550	6800	1	0.5	50	07/16/12	16530	S14114C	42	P	PEICPRAD1A
7439-96-5	Manganese	11	380	1	0.5	50	07/14/12	16530	S14114B3	40	P	PEICP3A
7439-97-6	Mercury	0.092	0.11	1	0.15	25	07/13/12	16530	H14114S	32	CV	HGCV1A
7440-02-0	Nickel	5.5	31	1	0.5	50	07/14/12	16530	S14114B3	40	P	PEICP3A
7440-09-7	Potassium	550	5400	1	0.5	50	07/16/12	16530	S14114C	42	P	PEICPRAD1A
7782-49-2	Selenium	2.0	ND	1	0.5	50	07/14/12	16530	S14114B3	40	P	PEICP3A
7440-22-4	Silver	1.6	ND	1	0.5	50	07/14/12	16530	S14114B3	40	P	PEICP3A
7440-23-5	Sodium	270	ND	1	0.5	50	07/16/12	16530	S14114C	42	P	PEICPRAD1A
7440-28-0	Thallium	1.3	ND	1	0.5	50	07/14/12	16530	S14114B3	40	P	PEICP3A
7440-62-2	Vanadium	11	44	1	0.5	50	07/14/12	16530	S14114B3	40	P	PEICP3A
7440-66-6	Zinc	11	64	1	0.5	50	07/14/12	16530	S14114B3	40	P	PEICP3A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID: MB 16530 (100) % Solid: 0 Lab Name: Veritech
Client Id: MB 16530 (100) Units: MG/KG Lab Code:
Matrix: SOIL
Level: LOW

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq. Num	M	Instr
7429-90-5	Aluminum	200	ND	1	0.5	50	07/16/12	16530	S14114C	15	P	PEICPRAD1A
7440-36-0	Antimony	2.0	ND	1	0.5	50	07/14/12	16530	S14114B3	11	P	PEICP3A
7440-38-2	Arsenic	2.0	ND	1	0.5	50	07/14/12	16530	S14114B3	11	P	PEICP3A
7440-39-3	Barium	10	ND	1	0.5	50	07/14/12	16530	S14114B3	11	P	PEICP3A
7440-41-7	Beryllium	0.60	ND	1	0.5	50	07/14/12	16530	S14114B3	11	P	PEICP3A
7440-43-9	Cadmium	0.60	ND	1	0.5	50	07/14/12	16530	S14114B3	11	P	PEICP3A
7440-70-2	Calcium	1000	ND	1	0.5	50	07/16/12	16530	S14114C	15	P	PEICPRAD1A
7440-47-3	Chromium	5.0	ND	1	0.5	50	07/14/12	16530	S14114B3	11	P	PEICP3A
7440-48-4	Cobalt	2.5	ND	1	0.5	50	07/14/12	16530	S14114B3	11	P	PEICP3A
7440-50-8	Copper	5.0	ND	1	0.5	50	07/14/12	16530	S14114B3	11	P	PEICP3A
7439-89-6	Iron	200	ND	1	0.5	50	07/13/12	16530	S14114A3	10	P	PEICPRAD3A
7439-92-1	Lead	5.0	ND	1	0.5	50	07/14/12	16530	S14114B3	11	P	PEICP3A
7439-95-4	Magnesium	500	ND	1	0.5	50	07/16/12	16530	S14114C	15	P	PEICPRAD1A
7439-96-5	Manganese	10	ND	1	0.5	50	07/14/12	16530	S14114B3	11	P	PEICP3A
7439-98-7	Molybdenum	2.5	ND	1	0.5	50	07/14/12	16530	S14114B3	11	P	PEICP3A
7440-02-0	Nickel	5.0	ND	1	0.5	50	07/14/12	16530	S14114B3	11	P	PEICP3A
7440-09-7	Potassium	500	ND	1	0.5	50	07/16/12	16530	S14114C	15	P	PEICPRAD1A
7782-49-2	Selenium	1.8	ND	1	0.5	50	07/14/12	16530	S14114B3	11	P	PEICP3A
7440-22-4	Silver	1.5	ND	1	0.5	50	07/14/12	16530	S14114B3	11	P	PEICP3A
7440-23-5	Sodium	250	ND	1	0.5	50	07/16/12	16530	S14114C	15	P	PEICPRAD1A
7440-28-0	Thallium	1.2	ND	1	0.5	50	07/14/12	16530	S14114B3	11	P	PEICP3A
7440-31-5	Tin	5.7	ND	1	0.5	50	07/14/12	16530	S14114B3	11	P	PEICP3A
7440-32-6	Titanium	35	ND	1	0.5	50	07/14/12	16530	S14114B3	11	P	PEICP3A
7440-62-2	Vanadium	10	ND	1	0.5	50	07/14/12	16530	S14114B3	11	P	PEICP3A
7440-66-6	Zinc	10	ND	1	0.5	50	07/14/12	16530	S14114B3	11	P	PEICP3A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID: MB 16530 (167) % Solid: 0 Lab Name: Veritech
Client Id: MB 16530 (167) Units: MG/KG Lab Code:
Matrix: SOIL
Level: LOW

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7439-97-6	Mercury	0.083	ND	1	0.15	25	07/13/12	16530	H14114S	11	CV	HGCV1A

Comments:

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID: MB 16536 (100) % Solid: 0 Lab Name: Veritech
Client Id: MB 16536 (100) Units: MG/KG Lab Code:
Matrix: SOIL
Level: LOW

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	200	ND	1	0.5	50	07/06/12	16536	S14119B3	10	P	PEICPRAD3A
7440-36-0	Antimony	2.0	ND	1	0.5	50	07/06/12	16536	S14119A3	11	P	PEICP3A
7440-38-2	Arsenic	2.0	ND	1	0.5	50	07/06/12	16536	S14119A3	11	P	PEICP3A
7440-39-3	Barium	10	ND	1	0.5	50	07/06/12	16536	S14119A3	11	P	PEICP3A
7440-41-7	Beryllium	0.60	ND	1	0.5	50	07/06/12	16536	S14119A3	11	P	PEICP3A
7440-43-9	Cadmium	0.60	ND	1	0.5	50	07/06/12	16536	S14119A3	11	P	PEICP3A
7440-70-2	Calcium	1000	ND	1	0.5	50	07/06/12	16536	S14119B3	10	P	PEICPRAD3A
7440-47-3	Chromium	5.0	ND	1	0.5	50	07/06/12	16536	S14119A3	11	P	PEICP3A
7440-48-4	Cobalt	2.5	ND	1	0.5	50	07/06/12	16536	S14119A3	11	P	PEICP3A
7440-50-8	Copper	5.0	ND	1	0.5	50	07/06/12	16536	S14119A3	11	P	PEICP3A
7439-89-6	Iron	200	ND	1	0.5	50	07/06/12	16536	S14119B3	10	P	PEICPRAD3A
7439-92-1	Lead	5.0	ND	1	0.5	50	07/06/12	16536	S14119A3	11	P	PEICP3A
7439-95-4	Magnesium	500	ND	1	0.5	50	07/06/12	16536	S14119B3	10	P	PEICPRAD3A
7439-96-5	Manganese	10	ND	1	0.5	50	07/06/12	16536	S14119A3	11	P	PEICP3A
7439-98-7	Molybdenum	2.5	ND	1	0.5	50	07/06/12	16536	S14119A3	11	P	PEICP3A
7440-02-0	Nickel	5.0	ND	1	0.5	50	07/06/12	16536	S14119A3	11	P	PEICP3A
7440-09-7	Potassium	500	ND	1	0.5	50	07/06/12	16536	S14119B3	10	P	PEICPRAD3A
7782-49-2	Selenium	1.8	ND	1	0.5	50	07/06/12	16536	S14119A3	11	P	PEICP3A
7440-22-4	Silver	1.5	ND	1	0.5	50	07/06/12	16536	S14119A3	11	P	PEICP3A
7440-23-5	Sodium	250	ND	1	0.5	50	07/06/12	16536	S14119B3	10	P	PEICPRAD3A
7440-28-0	Thallium	1.2	ND	1	0.5	50	07/06/12	16536	S14119C3	11	P	PEICP3A
7440-31-5	Tin	5.7	ND	1	0.5	50	07/06/12	16536	S14119A3	11	P	PEICP3A
7440-32-6	Titanium	35	ND	1	0.5	50	07/06/12	16536	S14119A3	11	P	PEICP3A
7440-62-2	Vanadium	10	ND	1	0.5	50	07/06/12	16536	S14119A3	11	P	PEICP3A
7440-66-6	Zinc	10	ND	1	0.5	50	07/06/12	16536	S14119A3	11	P	PEICP3A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID: MB 16536 (167)
Client Id: MB 16536 (167)
Matrix: SOIL
Level: LOW

% Solid: 0
Units: MG/KG

Lab Name: Veritech
Lab Code:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7439-97-6	Mercury	0.083	ND	1	0.15	25	07/09/12	16536	H14119S	11	CV	HGCV1A

Comments:

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

FORM 2
(ICV/CCV Summary)

Date Analyzed: 07/13/12
Data File: S14114A3
Prep Batch: 16530
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICPRAD3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2070213

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

Analyte	ICV/CCV Amt	ICV (2) V-144247-6	Rec	CCV V-144703-18	Rec	CCV V-144703-29	Rec	CCV V-144703-37	Rec	CCV V-144703-44	Rec		Rec		Rec		Rec
Iron	10/5	9.92974	99	5.13574	103	5.03977	101	5.13632	103	5.14796	103						

Notes: a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits: ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-11

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 2
(ICV/CCV Summary)

Date Analyzed: 07/14/12
Data File: S14114B3
Prep Batch: 16530
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2070213

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

Analyte	ICV/CCV Amt	ICV (2) V-144247-7	Rec	CCV V-144703-19	Rec	CCV V-144703-30	Rec	CCV V-144703-38	Rec	CCV V-144703-47	Rec		Rec		Rec		Rec
Antimony	1/.5	0.99669	100	0.50188	100	0.48869	98	0.50475	101	0.50533	101						
Arsenic	1/.5	0.99643	100	0.49555	99	0.47622	95	0.49725	99	0.48757	98						
Barium	1/.5	1.02222	102	0.51015	102	0.50247	100	0.51405	103	0.51530	103						
Beryllium	1/.5	1.01341	101	0.51113	102	0.49752	100	0.50291	101	0.50698	101						
Cadmium	1/.5	1.01187	101	0.50296	101	0.49571	99	0.51028	102	0.50804	102						
Chromium	1/.5	1.02367	102	0.50358	101	0.49591	99	0.50788	102	0.51139	102						
Cobalt	1/.5	1.02513	103	0.51440	103	0.50641	101	0.51888	104	0.52180	104						
Copper	1/.5	1.02186	102	0.50907	102	0.50173	100	0.51608	103	0.50992	102						
Lead	1/.5	1.00988	101	0.51512	103	0.49706	99	0.52130	104	0.51233	102						
Manganese	1/.5	1.00226	100	0.50341	101	0.49519	99	0.50759	102	0.50815	102						
Nickel	1/.5	1.01418	101	0.50832	102	0.50192	100	0.51528	103	0.51750	104						
Selenium	1/.5	1.02743	103	0.51320	103	0.50754	102	0.51336	103	0.52007	104						
Silver	0.2/0.1	0.20145	101	0.10035	100	0.09896	99	0.10198	102	0.10135	101						
Thallium	1/.5	1.04470	104	0.53504	107	0.52490	105	0.54080	108	0.53948	108						
Vanadium	1/.5	0.99500	100	0.50469	101	0.49624	99	0.50704	101	0.50700	101						
Zinc	1/.5	1.00872	101	0.50251	101	0.49301	99	0.50752	102	0.50555	101						

Notes:
a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits:
ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-11

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 2
(ICV/CCV Summary)

Date Analyzed: 07/16/12
Data File: S14114C
Prep Batch: 16530
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICPRAD1A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2070213

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

Analyte	ICV/CCV Amt	ICV V-142322 (2)-6	Rec	CCV V-143098-16	Rec	CCV V-143098-24	Rec	CCV V-143098-35	Rec	CCV V-143098-43	Rec	CCV V-143098-49	Rec		Rec		Rec
Aluminum	10/5	9.91270	99	5.24894	105	5.23829	105	5.37244	107	5.29678	106	5.41508	108				
Calcium	100/50	96.85890	97	48.99500	98	49.48500	99	49.51280	99	49.67640	99	50.76490	102				
Magnesium	100/50	98.87420	99	52.60090	105	52.76520	106	53.46990	107	53.93450	108	54.04890	108				
Potassium	100/50	101.61100	102	49.95950	100	50.33470	101	49.91260	100	49.78170	100	50.84410	102				
Sodium	100/50	101.92400	102	50.61780	101	50.81350	102	50.40540	101	49.98930	100	51.20670	102				

Notes:
a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits:
ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-11

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 2
(ICV/CCV Summary)

Date Analyzed: 07/06/12
Data File: S14119A3
Prep Batch: 16536
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2070213

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

Analyte	ICV/CCV Amt	ICV (2) V-144247-7	Rec	CCV V-144703-19	Rec	CCV V-144703-31	Rec	CCV V-144703-39	Rec	CCV V-144703-48	Rec		Rec		Rec		Rec
Antimony	1/.5	1.01193	101	0.50166	100	0.49699	99	0.49730	99	0.49313	99						
Arsenic	1/.5	1.01265	101	0.49986	100	0.50349	101	0.50840	102	0.52299	105						
Barium	1/.5	1.02038	102	0.51439	103	0.50494	101	0.51829	104	0.51083	102						
Beryllium	1/.5	1.00657	101	0.49659	99	0.49681	99	0.49603	99	0.49447	99						
Cadmium	1/.5	1.01177	101	0.50339	101	0.49430	99	0.50682	101	0.49893	100						
Chromium	1/.5	1.01782	102	0.50968	102	0.50745	101	0.51919	104	0.51852	104						
Cobalt	1/.5	1.02554	103	0.51829	104	0.50778	102	0.52119	104	0.51469	103						
Copper	1/.5	1.01174	101	0.50835	102	0.50066	100	0.50991	102	0.50290	101						
Lead	1/.5	1.02232	102	0.51698	103	0.51012	102	0.51325	103	0.51301	103						
Manganese	1/.5	1.00523	101	0.50418	101	0.49569	99	0.50802	102	0.50147	100						
Nickel	1/.5	1.01428	101	0.51215	102	0.50297	101	0.51326	103	0.50650	101						
Selenium	1/.5	1.03073	103	0.49617	99	0.50633	101	0.50186	100	0.49794	100						
Silver	0.2/0.1	0.20299	101	0.10103	101	0.09920	99	0.10037	100	0.09892	99						
Vanadium	1/.5	0.99924	100	0.50995	102	0.50235	100	0.51712	103	0.51486	103						
Zinc	1/.5	1.01159	101	0.50971	102	0.49833	100	0.51000	102	0.50096	100						

Notes:
a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits:
ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-11

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 2
(ICV/CCV Summary)

Date Analyzed: 07/06/12
Data File: S14119B3
Prep Batch: 16536
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICPRAD3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2070213

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

Analyte	ICV/CCV Amt	ICV (2) V-144247-6	Rec	CCV V-144703-18	Rec	CCV V-144703-27	Rec	CCV V-144703-35	Rec	CCV V-144703-44	Rec		Rec		Rec		Rec
Aluminum	10/5	10.00870	100	5.01323	100	4.97711	100	4.97402	99	5.04037	101						
Calcium	100/50	94.42880	94	47.47430	95	47.48560	95	48.20260	96	49.10340	98						
Iron	10/5	10.00570	100	5.08643	102	5.06356	101	5.06429	101	5.08145	102						
Magnesium	100/50	99.69890	100	50.89240	102	50.80650	102	50.60930	101	51.06100	102						
Potassium	100/50	99.66940	100	49.87970	100	51.72730	103	53.40380	107	54.00030	108						
Sodium	100/50	99.58830	100	49.77910	100	50.00670	100	50.92140	102	51.29730	103						

Notes:
a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits:
ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-11

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 2
(ICV/CCV Summary)

Date Analyzed: 07/06/12
Data File: S14119C3
Prep Batch: 16536
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2070213

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

Analyte	ICV/CCV Amt	ICV (2) V-144247-7	Rec	CCV V-144703-19	Rec	CCV V-144703-28	Rec	CCV V-144703-36	Rec	CCV V-144703-47	Rec		Rec		Rec		Rec
Thallium	1/.5	1.06414	106	0.53635	107	0.54945	110	0.53526	107	0.53566	107						

Notes:
a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits:
ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-11

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 2
(ICV/CCV Summary)

Date Analyzed: 07/13/12
Data File: H14114S
Prep Batch: 16530
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: HGCV1A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2070213

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

Analyte	ICV/CCV Amt	ICV (2)-9	Rec	CCV-21	Rec	CCV-33	Rec	CCV-38	Rec		Rec		Rec		Rec		Rec
Mercury	20/10	19.50762	98	9.97498	100	9.98839	100	9.88949	99								

Notes:
a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits:
ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-11

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 2
(ICV/CCV Summary)

Date Analyzed: 07/09/12
Data File: H14119S
Prep Batch: 16536
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: HGCV1A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2070213

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

Analyte	ICV/CCV Amt	ICV (2)-9	Rec	CCV-21	Rec	CCV-33	Rec	CCV-37	Rec		Rec		Rec		Rec		Rec
Mercury	20/10	20.13394	101	10.38709	104	10.29816	103	10.34514	103								

Notes:
a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits:
ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-11

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 07/13/12
Data File: S14114A3
Prep Batch: 16530
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICPRAD3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2070213

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-143551-7	CCB V-143551-19	CCB V-143551-30	CCB V-143551-38	CCB V-143551-45	MB 16530 (100)-10		
Iron	2 U	2 U	2 U	2 U	2 U	200 U		

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 07/14/12
Data File: S14114B3
Prep Batch: 16530
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2070213

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-143551-8	CCB V-143551-20	CCB V-143551-31	CCB V-143551-39	CCB V-143551-48	MB 16530 (100)-11		
Antimony	.02 U	.02 U	.02 U	.02 U	.02 U	2 U		
Arsenic	.02 U	.02 U	.02 U	.02 U	.02 U	2 U		
Barium	.1 U	.1 U	.1 U	.1 U	.1 U	10 U		
Beryllium	.006 U	.006 U	.006 U	.006 U	.006 U	.6 U		
Cadmium	.006 U	.006 U	.006 U	.006 U	.006 U	.6 U		
Chromium	.05 U	.05 U	.05 U	.05 U	.05 U	5 U		
Cobalt	.025 U	.025 U	.025 U	.025 U	.025 U	2.5 U		
Copper	.05 U	.05 U	.05 U	.05 U	.05 U	5 U		
Lead	.05 U	.05 U	.05 U	.05 U	.05 U	5 U		
Manganese	.1 U	.1 U	.1 U	.1 U	.1 U	10 U		
Nickel	.05 U	.05 U	.05 U	.05 U	.05 U	5 U		
Selenium	.018 U	.018 U	.018 U	.018 U	.018 U	1.8 U		
Silver	.015 U	.015 U	.015 U	.015 U	.015 U	1.5 U		
Thallium	.012 U	.012 U	.012 U	.012 U	.012 U	1.2 U		
Vanadium	.1 U	.1 U	.1 U	.1 U	.1 U	10 U		
Zinc	.1 U	.1 U	.1 U	.1 U	.1 U	10 U		

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 07/16/12
Data File: S14114C
Prep Batch: 16530
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICPRAD1A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2070213

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-143551-7	CCB-17	CCB-25	CCB-36	CCB-44	CCB-50	MB 16530 (100)-15
Aluminum	2 U	2 U	2 U	2 U	2 U	2 U	200 U
Calcium	10 U	10 U	10 U	10 U	10 U	10 U	1000 U
Magnesium	5 U	5 U	5 U	5 U	5 U	5 U	500 U
Potassium	5 U	5 U	5 U	5 U	5 U	5 U	500 U
Sodium	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	250 U

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 07/06/12
Data File: S14119A3
Prep Batch: 16536
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2070213

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-143551-8	CCB V-143551-20	CCB V-143551-32	CCB V-143551-40	CCB V-143551-49	MB 16536 (100)-11	MB FB (1)-44
Antimony	.02 U	.02 U	.02 U	.02 U	.02 U	2 U	.02 U
Arsenic	.02 U	.02 U	.02 U	.02 U	.02 U	2 U	.02 U
Barium	.1 U	.1 U	.1 U	.1 U	.1 U	10 U	.1 U
Beryllium	.006 U	.006 U	.006 U	.006 U	.006 U	.6 U	.006 U
Cadmium	.006 U	.006 U	.006 U	.006 U	.006 U	.6 U	.006 U
Chromium	.05 U	.05 U	.05 U	.05 U	.05 U	5 U	.05 U
Cobalt	.025 U	.025 U	.025 U	.025 U	.025 U	2.5 U	.025 U
Copper	.05 U	.05 U	.05 U	.05 U	.05 U	5 U	.05 U
Lead	.05 U	.05 U	.05 U	.05 U	.05 U	5 U	.05 U
Manganese	.1 U	.1 U	.1 U	.1 U	.1 U	10 U	.1 U
Nickel	.05 U	.05 U	.05 U	.05 U	.05 U	5 U	.05 U
Selenium	.018 U	.018 U	.018 U	.018 U	.018 U	1.8 U	.018 U
Silver	.015 U	.015 U	.015 U	.015 U	.015 U	1.5 U	.015 U
Vanadium	.1 U	.1 U	.1 U	.1 U	.1 U	10 U	.1 U
Zinc	.1 U	.1 U	.1 U	.1 U	.1 U	10 U	.1 U

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 07/06/12
Data File: S14119B3
Prep Batch: 16536
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICPRAD3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2070213

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-143551-7	CCB V-143551-19	CCB V-143551-28	CCB V-143551-36	CCB V-143551-45	MB 16536 (100)-10	MB FB (1)-40
Aluminum	2 U	2 U	2 U	2 U	2 U	200 U	2 U
Calcium	10 U	10 U	10 U	10 U	10 U	1000 U	10 U
Iron	2 U	2 U	2 U	2 U	2 U	200 U	2 U
Magnesium	5 U	5 U	5 U	5 U	5 U	500 U	5 U
Potassium	5 U	5 U	5 U	5 U	5 U	500 U	5 U
Sodium	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	250 U	2.5 U

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 07/06/12
Data File: S14119C3
Prep Batch: 16536
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2070213

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-143551-8	CCB V-143551-20	CCB V-143551-29	CCB V-143551-37	CCB V-143551-48	MB 16536 (100)-11	MB FB (1)-41
Thallium	.012 U	.012 U	.012 U	.012 U	.012 U	1.2 U	.012 U

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 07/13/12
Data File: H14114S
Prep Batch: 16530
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: HGCV1A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2070213

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB-10	CCB-22	CCB-34	CCB-39	MB 16530 (167)-11			
Mercury	.5 U	.5 U	.5 U	.5 U	83 U			

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 07/09/12
Data File: H14119S
Prep Batch: 16536
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: HGCV1A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2070213

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB-10	CCB-22	CCB-34	CCB-38	MB 16536 (167)-11	MB FB 16536-35		
Mercury	.5 U	.5 U	.5 U	.5 U	83 U	.5 U		

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 4
(ICSA/ICSAB Summary)

Date Analyzed: 07/13/12
Data File: S14114A3
Prep Batch: 16530
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICPRAD3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2070213

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICSA/ICSAB: SOURCE: VHG LABS

Analyte	Spk Amt	ICSA V-143744-8	Rec	ICSAB V-143745-9	Rec	ICSA V-143744-27	Rec	ICSAB V-143745-28	Rec	ICSA V-143744-42	Rec	ICSAB V-143745-43	Rec		Rec		Rec
Aluminum	500	500.083	100	504.20700	101	494.669	99	503.69100	101	492.738	99	502.59600	101				
Calcium	500	469.858	94	474.02700	95	458.391	92	466.42600	93	460.856	92	471.30300	94				
Iron	200	188.745	94	190.58000	95	185.55	93	188.95500	94	186.127	93	190.63400	95				
Magnesium	500	498.95	100	503.45800	101	489.189	98	498.02900	100	492.498	98	505.06800	101				

Notes: a-indicates absolute value of the concentration > 2 * Reporting Limits In the ICSA
b-indicates absolute value of the concentration above Reporting Limits but < 2 * Reporting Limits in the ICSA
c-indicates the recovery failed the Qc Criteria in the ICSAB
u-indicates the absolute value of the concentration was below the reporting limit

FORM 4
(ICSA/ICSAB Summary)

Date Analyzed: 07/14/12
Data File: S14114B3
Prep Batch: 16530
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2070213

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICSA/ICSAB: SOURCE: VHG LABS

Analyte	Spk Amt	ICSA V-143744-9	Rec	ICSAB V-143745-10	Rec	ICSA V-143744-28	Rec	ICSAB V-143745-29	Rec	ICSA V-143744-45	Rec	ICSAB V-143745-46	Rec		Rec		Rec
Aluminum	500	499.981	100	502.20500	100	502.726	101	510.42500	102	504.079	101	501.13000	100				
Antimony	1	U		1.00915	101	U		1.02630	103	U		1.02645	103				
Arsenic	1	U		0.99174	99	U		0.99749	100	U		1.00980	101				
Barium	.5	U		0.51193	102	U		0.51297	103	U		0.50959	102				
Beryllium	.5	U		0.50889	102	U		0.51621	103	U		0.50807	102				
Cadmium	1	U		1.00144	100	U		1.01399	101	U		1.01482	101				
Calcium	500	460.954	92	460.41400	92	460.827	92	457.79200	92	462.937	93	458.68400	92				
Chromium	.5	U		0.48182	96	U		0.48180	96	U		0.48189	96				
Cobalt	.5	U		0.46746	93	U		0.47065	94	U		0.47283	95				
Copper	.5	U		0.50479	101	U		0.50976	102	U		0.50172	100				
Iron	200	184.494	92	185.32400	93	184.97	92	187.87500	94	186.45	93	185.19000	93				
Lead	1	U		0.95865	96	U		0.96361	96	U		0.97709	98				
Magnesium	500	506.118	101	509.09200	102	508.105	102	516.47400	103	511.882	102	508.77200	102				
Manganese	.5	U		0.47877	96	U		0.48099	96	U		0.47789	96				
Nickel	1	U		0.90585	91	U		0.91322	91	U		0.91997	92				
Selenium	1	U		1.00021	100	U		1.03485	103	U		1.03522	104				
Silver	1	U		1.06386	106	U		1.07565	108	U		1.06490	106				
Thallium	1	U		0.96586	97	U		0.98216	98	U		0.98221	98				
Vanadium	.5	U		0.46495	93	U		0.46110	92	U		0.45985	92				
Zinc	1	U		0.94934	95	U		0.96077	96	U		0.96550	97				

Notes: a-indicates absolute value of the concentration > 2 * Reporting Limits In the ICSA
b-indicates absolute value of the concentration above Reporting Limits but < 2 * Reporting Limits in the ICSA
c-indicates the recovery failed the Qc Criteria in the ICSAB
u-indicates the absolute value of the concentration was below the reporting limit

FORM 4
(ICSA/ICSAB Summary)

Date Analyzed: 07/16/12
Data File: S14114C
Prep Batch: 16530
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICPRAD1A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2070213

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICSA/ICSAB: SOURCE: VHG LABS

Analyte	Spk Amt	ICSA V-142910-8	Rec	ICSAB V-142911-9	Rec	ICSA V-142910-33	Rec	ICSAB V-142911-34	Rec	ICSA V-142910-47	Rec	ICSAB V-142911-48	Rec		Rec		Rec
Aluminum	500	470.942	94	479.58500	96	478.417	96	496.37700	99	487.23	97	504.15900	101				
Calcium	500	436.452	87	444.31700	89	446.282	89	462.99600	93	457.7	92	472.59000	95				
Iron	200	180.541	90	184.95200	92	186.499	93	194.12600	97	191.931	96	198.99600	99				
Magnesium	500	467.254	93	476.81100	95	480.188	96	499.83200	100	494.458	99	511.44800	102				

Notes: a-indicates absolute value of the concentration > 2 * Reporting Limits In the ICSA
b-indicates absolute value of the concentration above Reporting Limits but < 2 * Reporting Limits in the ICSA
c-indicates the recovery failed the Qc Criteria in the ICSAB
u-indicates the absolute value of the concentration was below the reporting limit

FORM 4
(ICSA/ICSAB Summary)

Date Analyzed: 07/06/12
Data File: S14119A3
Prep Batch: 16536
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2070213

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICSA/ICSAB: SOURCE: VHG LABS

Analyte	Spk Amt	ICSA V-143744-9	Rec	ICSAB V-143745-10	Rec	ICSA V-143744-29	Rec	ICSAB V-143745-30	Rec	ICSA V-143744-46	Rec	ICSAB V-143745-47	Rec	Rec	Rec
Aluminum	500	502.615	101	512.93400	103	507.952	102	510.36500	102	508.237	102	512.69700	103		
Antimony	1	U		1.06389	106	U		1.03899	104	U		1.02887	103		
Arsenic	1	U		1.06517	107	U		1.05953	106	U		1.08941	109		
Barium	.5	U		0.54158	108	U		0.53594	107	U		0.53487	107		
Beryllium	.5	U		0.51696	103	U		0.51351	103	U		0.51359	103		
Cadmium	1	U		1.07236	107	U		1.06164	106	U		1.05719	106		
Calcium	500	452.51	91	462.83500	93	454.917	91	456.31100	91	454.096	91	457.83100	92		
Chromium	.5	U		0.51645	103	U		0.51796	104	U		0.51816	104		
Cobalt	.5	U		0.49042	98	U		0.48307	97	U		0.48432	97		
Copper	.5	U		0.54020	108	U		0.53902	108	U		0.53494	107		
Iron	200	187.912	94	190.09400	95	188.058	94	188.52200	94	188.238	94	188.93900	94		
Lead	1	U		1.00438	100	U		0.98081	98	U		0.98104	98		
Magnesium	500	512.533	103	517.59300	104	511.022	102	511.39200	102	510.999	102	513.26300	103		
Manganese	.5	U		0.50026	100	U		0.49528	99	U		0.49404	99		
Nickel	1	U		0.97286	97	U		0.95947	96	U		0.95128	95		
Selenium	1	U		1.04667	105	U		1.01726	102	U		1.00582	101		
Silver	1	U		1.13356	113	U		1.12487	112	U		1.10547	111		
Vanadium	.5	U		0.50210	100	U		0.49953	100	U		0.50191	100		
Zinc	1	U		1.03201	103	U		1.01219	101	U		0.99769	100		

Notes: a-indicates absolute value of the concentration > 2 * Reporting Limits In the ICSA
b-indicates absolute value of the concentration above Reporting Limits but < 2 * Reporting Limits in the ICSA
c-indicates the recovery failed the Qc Criteria in the ICSAB
u-indicates the absolute value of the concentration was below the reporting limit

FORM 4
(ICSA/ICSAB Summary)

Date Analyzed: 07/06/12
Data File: S14119B3
Prep Batch: 16536
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICPRAD3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2070213

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICSA/ICSAB: SOURCE: VHG LABS

Analyte	Spk Amt	ICSA V-143744-8	Rec	ICSAB V-143745-9	Rec	ICSA V-143744-25	Rec	ICSAB V-143745-26	Rec	ICSA V-143744-42	Rec	ICSAB V-143745-43	Rec		Rec		Rec
Aluminum	500	490.286	98	498.52100	100	496.119	99	499.24500	100	498.919	100	493.70400	99				
Calcium	500	466.274	93	475.44400	95	471.712	94	474.37500	95	472.819	95	468.68800	94				
Iron	200	187.818	94	191.58200	96	189.866	95	191.54900	96	190.804	95	189.22500	95				
Magnesium	500	495.007	99	505.57800	101	502.197	100	505.58100	101	503.928	101	499.76400	100				

Notes: a-indicates absolute value of the concentration > 2 * Reporting Limits In the ICSA
b-indicates absolute value of the concentration above Reporting Limits but < 2 * Reporting Limits in the ICSA
c-indicates the recovery failed the Qc Criteria in the ICSAB
u-indicates the absolute value of the concentration was below the reporting limit

FORM 4
(ICSA/ICSAB Summary)

Date Analyzed: 07/06/12
Data File: S14119C3
Prep Batch: 16536
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2070213

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICSA/ICSAB: SOURCE: VHG LABS

Analyte	Spk Amt	ICSA V-143744-9	Rec	ICSAB V-143745-10	Rec	ICSA V-143744-26	Rec	ICSAB V-143745-27	Rec	ICSA V-143744-45	Rec	ICSAB V-143745-46	Rec		Rec		Rec
Aluminum	500	494.478	99	497.61300	100	503.612	101	505.47100	101	495.99	99	507.36700	101				
Calcium	500	447.617	90	450.14700	90	455.418	91	457.94900	92	448.988	90	458.53600	92				
Iron	200	183.65	92	184.52600	92	185.408	93	186.92100	93	183.433	92	186.74500	93				
Magnesium	500	500.45	100	502.04300	100	505.341	101	509.05600	102	499.411	100	508.02000	102				
Thallium	1	U		0.99500	100	U		1.00727	101	U		0.99388	99				

Notes: a-indicates absolute value of the concentration > 2 * Reporting Limits In the ICSA
b-indicates absolute value of the concentration above Reporting Limits but < 2 * Reporting Limits in the ICSA
c-indicates the recovery failed the Qc Criteria in the ICSAB
u-indicates the absolute value of the concentration was below the reporting limit

FORM5/FORM7

SPIKE RECOVERY DATA

PREP BATCH: 16530

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR Matrix: SOIL SampleID: LCS mR 16530

Analyte	BatchId	DF	Data Fil	Seq#:	Spk Conc:	Spk Adde	Recov	Qual	Lo Lim	Hi Lim
Aluminum	16530	1	S14114C	14	74.6950	84.0	89		47	152
Antimony	16530	1	S14114B3	13	0.8251	0.933	88		2.1	199
Arsenic	16530	1	S14114B3	13	0.9036	0.945	96		82	117
Barium	16530	1	S14114B3	13	1.5819	1.67	95		84	116
Beryllium	16530	1	S14114B3	13	0.5598	0.576	97		85	117
Cadmium	16530	1	S14114B3	13	0.5824	0.605	96		83	117
Calcium	16530	1	S14114C	14	59.9808	61.4	98		83	117
Chromium	16530	1	S14114B3	13	0.6709	0.704	95		82	118
Cobalt	16530	1	S14114B3	13	1.0289	1.02	101		83	117
Copper	16530	1	S14114B3	13	0.7898	0.796	99		84	116
Iron	16530	1	S14114A3	12	114.4510	125	92		51	150
Lead	16530	1	S14114B3	13	0.9168	0.918	100		82	118
Magnesium	16530	1	S14114C	14	26.2810	25.8	102		76	124
Manganese	16530	1	S14114B3	13	2.6951	2.83	95		82	117
Mercury	16530	1	H14114S	13	20.1380	22.34	90		72	128
Nickel	16530	1	S14114B3	13	0.5749	0.576	100		83	117
Potassium	16530	1	S14114C	14	23.6116	24.9	95		70	130
Selenium	16530	1	S14114B3	13	0.8091	0.864	94		80	120
Silver	16530	1	S14114B3	13	0.3286	0.344	96		66	134
Sodium	16530	1	S14114C	14	2.1177	2.15	98		67	133
Thallium	16530	1	S14114B3	13	1.2258	1.20	102		78	121
Vanadium	16530	1	S14114B3	13	0.5011	0.570	88		74	126
Zinc	16530	1	S14114B3	13	1.3693	1.40	98		82	118

TxtQcType: LCS Matrix: SOIL SampleID: LCS 16530

Analyte	BatchId	DF	Data Fil	Seq#:	Spk Conc:	Spk Adde	Recov	Qual	Lo Lim	Hi Lim
Aluminum	16530	1	S14114C	13	74.0593	84.0	88		47	152
Antimony	16530	1	S14114B3	12	0.8314	0.933	89		2.1	199
Arsenic	16530	1	S14114B3	12	0.9003	0.945	95		82	117
Barium	16530	1	S14114B3	12	1.5835	1.67	95		84	116
Beryllium	16530	1	S14114B3	12	0.5454	0.576	95		85	117
Cadmium	16530	1	S14114B3	12	0.5807	0.605	96		83	117
Calcium	16530	1	S14114C	13	62.1369	61.4	101		83	117
Chromium	16530	1	S14114B3	12	0.6569	0.704	93		82	118
Cobalt	16530	1	S14114B3	12	1.0138	1.02	99		83	117
Copper	16530	1	S14114B3	12	0.7835	0.796	98		84	116
Iron	16530	1	S14114A3	11	110.3360	125	88		51	150
Lead	16530	1	S14114B3	12	0.8994	0.918	98		82	118
Magnesium	16530	1	S14114C	13	25.9279	25.8	100		76	124
Manganese	16530	1	S14114B3	12	2.6295	2.83	93		82	117
Mercury	16530	1	H14114S	12	21.8047	22.34	98		72	128
Nickel	16530	1	S14114B3	12	0.5684	0.576	99		83	117
Potassium	16530	1	S14114C	13	23.2793	24.9	93		70	130
Selenium	16530	1	S14114B3	12	0.8238	0.864	95		80	120
Silver	16530	1	S14114B3	12	0.3185	0.344	93		66	134
Sodium	16530	1	S14114C	13	2.3721	2.15	110		67	133
Thallium	16530	1	S14114B3	12	1.2118	1.20	101		78	121
Vanadium	16530	1	S14114B3	12	0.4922	0.570	86		74	126
Zinc	16530	1	S14114B3	12	1.3790	1.40	98		82	118

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

FORM5/FORM7

SPIKE RECOVERY DATA

PREP BATCH: 16530

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: MSD Matrix: SOIL SampleID: AC66869-003

Analyte	BatchId	DF	Data Fil	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Adde	Recov	Qual	Lo Lim	Hi Lim
Aluminum	16530	1	S14114C	21	S14114C	18	180.0910	169.0600	5	221	b	75	125
Antimony	16530	1	S14114B3	17	S14114B3	14	0.1976	0.02U	0.50	40	a	75	125
Arsenic	16530	1	S14114B3	17	S14114B3	14	0.4449	0.02U	0.50	89		75	125
Barium	16530	1	S14114B3	17	S14114B3	14	1.5217	1.0416	0.50	96		75	125
Beryllium	16530	1	S14114B3	17	S14114B3	14	0.4473	0.006U	0.50	89		75	125
Cadmium	16530	1	S14114B3	17	S14114B3	14	0.4554	0.006U	0.50	91		75	125
Calcium	16530	1	S14114C	21	S14114C	18	62.2460	19.8585	50	85		75	125
Chromium	16530	1	S14114B3	17	S14114B3	14	0.8612	0.4051	0.50	91		75	125
Cobalt	16530	1	S14114B3	17	S14114B3	14	0.5715	0.1139	0.50	92		75	125
Copper	16530	1	S14114B3	17	S14114B3	14	0.7588	0.2824	0.50	95		75	125
Iron	16530	1	S14114A3	16	S14114A3	13	223.6820	215.9640	5.0	154	b	75	125
Lead	16530	1	S14114B3	17	S14114B3	14	1.0558	0.1801	0.50	175	a	75	125
Magnesium	16530	1	S14114C	21	S14114C	18	108.1480	56.9982	50	102		75	125
Manganese	16530	1	S14114B3	17	S14114B3	14	4.7971	4.5558	0.50	48	b	75	125
Mercury	16530	1	H14114S	17	H14114S	14	9.9686	.5U	10	100		75	125
Nickel	16530	1	S14114B3	17	S14114B3	14	0.7237	0.2673	0.50	91		75	125
Potassium	16530	1	S14114C	21	S14114C	18	97.7675	46.7720	50	102		75	125
Selenium	16530	1	S14114B3	17	S14114B3	14	0.4587	0.018U	0.50	92		75	125
Silver	16530	1	S14114B3	17	S14114B3	14	0.0826	0.015U	0.10	83		75	125
Sodium	16530	1	S14114C	21	S14114C	18	52.0417	2.5U	50	104		75	125
Thallium	16530	1	S14114B3	17	S14114B3	14	0.4690	0.012U	0.50	94		75	125
Vanadium	16530	1	S14114B3	17	S14114B3	14	0.8186	0.3790	0.50	88		75	125
Zinc	16530	1	S14114B3	17	S14114B3	14	0.9593	0.5268	0.50	86		75	125

TxtQcType: MS Matrix: SOIL SampleID: AC66869-003

Analyte	BatchId	DF	Data Fil	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Adde	Recov	Qual	Lo Lim	Hi Lim
Aluminum	16530	1	S14114C	20	S14114C	18	189.3500	169.0600	5	406	b	75	125
Antimony	16530	1	S14114B3	16	S14114B3	14	0.1854	0.02U	0.50	37	a	75	125
Arsenic	16530	1	S14114B3	16	S14114B3	14	0.4397	0.02U	0.50	88		75	125
Barium	16530	1	S14114B3	16	S14114B3	14	1.5847	1.0416	0.50	109		75	125
Beryllium	16530	1	S14114B3	16	S14114B3	14	0.4430	0.006U	0.50	89		75	125
Cadmium	16530	1	S14114B3	16	S14114B3	14	0.4492	0.006U	0.50	90		75	125
Calcium	16530	1	S14114C	20	S14114C	18	95.9026	19.8585	50	152	a	75	125
Chromium	16530	1	S14114B3	16	S14114B3	14	0.9042	0.4051	0.50	100		75	125
Cobalt	16530	1	S14114B3	16	S14114B3	14	0.5575	0.1139	0.50	89		75	125
Copper	16530	1	S14114B3	16	S14114B3	14	0.7702	0.2824	0.50	98		75	125
Iron	16530	1	S14114A3	15	S14114A3	13	239.5800	215.9640	5.0	472	b	75	125
Lead	16530	1	S14114B3	16	S14114B3	14	0.8419	0.1801	0.50	132	a	75	125
Magnesium	16530	1	S14114C	20	S14114C	18	108.8370	56.9982	50	104		75	125
Manganese	16530	1	S14114B3	16	S14114B3	14	4.5531	4.5558	0.50	-.54	b	75	125
Mercury	16530	1	H14114S	16	H14114S	14	10.0098	.5U	10	100		75	125
Nickel	16530	1	S14114B3	16	S14114B3	14	0.7160	0.2673	0.50	90		75	125
Potassium	16530	1	S14114C	20	S14114C	18	96.9279	46.7720	50	100		75	125
Selenium	16530	1	S14114B3	16	S14114B3	14	0.4330	0.018U	0.50	87		75	125
Silver	16530	1	S14114B3	16	S14114B3	14	0.0818	0.015U	0.10	82		75	125
Sodium	16530	1	S14114C	20	S14114C	18	51.9263	2.5U	50	104		75	125
Thallium	16530	1	S14114B3	16	S14114B3	14	0.4632	0.012U	0.50	93		75	125
Vanadium	16530	1	S14114B3	16	S14114B3	14	0.8285	0.3790	0.50	90		75	125
Zinc	16530	1	S14114B3	16	S14114B3	14	1.2785	0.5268	0.50	150	a	75	125

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

FORM5/FORM7
SPIKE RECOVERY DATA
PREP BATCH: 16536

Instrument Type: ICP/HG
Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCS Matrix: AQUEOUS SampleID: LCSW

Analyte	BatchId	DF	Data Fil	Seq#:	Spk Conc:	Spk Adde	Recov	Qual	Lo Lim	Hi Lim
Aluminum	16536	1	S14119B3	41	5.1203	5.0	102		75	125
Antimony	16536	1	S14119A3	45	0.5108	0.500	102		75	125
Arsenic	16536	1	S14119A3	45	0.5312	0.500	106		75	125
Barium	16536	1	S14119A3	45	0.5354	0.500	107		75	125
Beryllium	16536	1	S14119A3	45	0.5167	0.500	103		75	125
Cadmium	16536	1	S14119A3	45	0.5171	0.500	103		75	125
Calcium	16536	1	S14119B3	41	50.0075	50	100		75	125
Chromium	16536	1	S14119A3	45	0.5400	0.500	108		75	125
Cobalt	16536	1	S14119A3	45	0.5379	0.500	108		75	125
Copper	16536	1	S14119A3	45	0.5330	0.500	107		75	125
Iron	16536	1	S14119B3	41	5.0957	5.0	102		75	125
Lead	16536	1	S14119A3	45	0.5292	0.500	106		75	125
Magnesium	16536	1	S14119B3	41	51.1845	50	102		75	125
Manganese	16536	1	S14119A3	45	0.5295	0.500	106		75	125
Mercury	16536	1	H14119S	36	11.1305	10	111		75	125
Nickel	16536	1	S14119A3	45	0.5280	0.500	106		75	125
Potassium	16536	1	S14119B3	41	55.1788	50	110		75	125
Selenium	16536	1	S14119A3	45	0.5055	0.500	101		75	125
Silver	16536	1	S14119A3	45	0.1022	0.100	102		75	125
Sodium	16536	1	S14119B3	41	52.3700	50	105		75	125
Thallium	16536	1	S14119C3	42	0.5435	0.500	109		75	125
Vanadium	16536	1	S14119A3	45	0.5397	0.500	108		75	125
Zinc	16536	1	S14119A3	45	0.5222	0.500	104		75	125

TxtQcType: LCSMR Matrix: SOIL SampleID: LCS MR 16536

Analyte	BatchId	DF	Data Fil	Seq#:	Spk Conc:	Spk Adde	Recov	Qual	Lo Lim	Hi Lim
Aluminum	16536	1	S14119B3	12	70.1083	84.0	83		47	152
Antimony	16536	1	S14119A3	13	1.1046	0.933	118		2.1	199
Arsenic	16536	1	S14119A3	13	0.9444	0.945	100		82	117
Barium	16536	1	S14119A3	13	1.7253	1.67	103		84	116
Beryllium	16536	1	S14119A3	13	0.5639	0.576	98		85	117
Cadmium	16536	1	S14119A3	13	0.6045	0.605	100		83	117
Calcium	16536	1	S14119B3	12	59.7878	61.4	97		83	117
Chromium	16536	1	S14119A3	13	0.7000	0.704	99		82	118
Cobalt	16536	1	S14119A3	13	1.0691	1.02	105		83	117
Copper	16536	1	S14119A3	13	0.8132	0.796	102		84	116
Iron	16536	1	S14119B3	12	123.2950	125	99		51	150
Lead	16536	1	S14119A3	13	0.9261	0.918	101		82	118
Magnesium	16536	1	S14119B3	12	24.7916	25.8	96		76	124
Manganese	16536	1	S14119A3	13	2.8120	2.83	99		82	117
Mercury	16536	1	H14119S	13	22.2410	22.34	100		72	128
Nickel	16536	1	S14119A3	13	0.5922	0.576	103		83	117
Potassium	16536	1	S14119B3	12	23.5206	24.9	94		70	130
Selenium	16536	1	S14119A3	13	0.8629	0.864	100		80	120
Silver	16536	1	S14119A3	13	0.3517	0.344	102		66	134
Sodium	16536	1	S14119B3	12	1.9649	2.15	91		67	133
Thallium	16536	1	S14119C3	13	1.2827	1.20	107		78	121
Vanadium	16536	1	S14119A3	13	0.5565	0.570	98		74	126
Zinc	16536	1	S14119A3	13	1.4266	1.40	102		82	118

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

FORM5/FORM7
SPIKE RECOVERY DATA
PREP BATCH: 16536

Instrument Type: ICP/HG
Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCS Matrix: SOIL SampleID: LCS 16536

Analyte	BatchId	DF	Data Fil	Seq#:	Spk Conc:	Spk Adde	Recov	Qual	Lo Lim	Hi Lim
Aluminum	16536	1	S14119B3	11	70.8857	84.0	84		47	152
Antimony	16536	1	S14119A3	12	1.1265	0.933	121		2.1	199
Arsenic	16536	1	S14119A3	12	0.9553	0.945	101		82	117
Barium	16536	1	S14119A3	12	1.7162	1.67	103		84	116
Beryllium	16536	1	S14119A3	12	0.5675	0.576	99		85	117
Cadmium	16536	1	S14119A3	12	0.6029	0.605	100		83	117
Calcium	16536	1	S14119B3	11	58.4172	61.4	95		83	117
Chromium	16536	1	S14119A3	12	0.7138	0.704	101		82	118
Cobalt	16536	1	S14119A3	12	1.0777	1.02	106		83	117
Copper	16536	1	S14119A3	12	0.8153	0.796	102		84	116
Iron	16536	1	S14119B3	11	123.6520	125	99		51	150
Lead	16536	1	S14119A3	12	0.9321	0.918	102		82	118
Magnesium	16536	1	S14119B3	11	25.2463	25.8	98		76	124
Manganese	16536	1	S14119A3	12	2.8654	2.83	101		82	117
Mercury	16536	1	H14119S	12	21.6541	22.34	97		72	128
Nickel	16536	1	S14119A3	12	0.5956	0.576	103		83	117
Potassium	16536	1	S14119B3	11	23.8743	24.9	96		70	130
Selenium	16536	1	S14119A3	12	0.8719	0.864	101		80	120
Silver	16536	1	S14119A3	12	0.3473	0.344	101		66	134
Sodium	16536	1	S14119B3	11	1.9968	2.15	93		67	133
Thallium	16536	1	S14119C3	12	1.2692	1.20	106		78	121
Vanadium	16536	1	S14119A3	12	0.5581	0.570	98		74	126
Zinc	16536	1	S14119A3	12	1.4327	1.40	102		82	118

TxtQcType: MSD Matrix: SOIL SampleID: AC66916-002

Analyte	BatchId	DF	Data Fil	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Adde	Recov	Qual	Lo Lim	Hi Lim
Aluminum	16536	1	S14119B3	16	S14119B3	13	75.0061	70.0844	5.0	98		75	125
Antimony	16536	1	S14119A3	17	S14119A3	14	0.2670	0.02U	0.50	53	a	75	125
Arsenic	16536	1	S14119A3	17	S14119A3	14	0.5243	0.0373	0.50	97		75	125
Barium	16536	1	S14119A3	17	S14119A3	14	1.1884	0.7667	0.50	84		75	125
Beryllium	16536	1	S14119A3	17	S14119A3	14	0.4877	0.006U	0.50	98		75	125
Cadmium	16536	1	S14119A3	17	S14119A3	14	0.4921	0.006U	0.50	98		75	125
Calcium	16536	1	S14119B3	16	S14119B3	13	598.7140	497.2450	50	203	b	75	125
Chromium	16536	1	S14119A3	17	S14119A3	14	0.6668	0.2228	0.50	89		75	125
Cobalt	16536	1	S14119A3	17	S14119A3	14	0.5193	0.0370	0.50	96		75	125
Copper	16536	1	S14119A3	17	S14119A3	14	0.7273	0.1996	0.50	106		75	125
Iron	16536	1	S14119B3	16	S14119B3	13	105.9820	101.6500	5.0	87		75	125
Lead	16536	1	S14119A3	17	S14119A3	14	0.8645	0.4080	0.50	91		75	125
Magnesium	16536	1	S14119B3	16	S14119B3	13	132.1400	57.8636	50	149	a	75	125
Manganese	16536	1	S14119A3	17	S14119A3	14	2.7072	2.0659	0.50	128	b	75	125
Mercury	16536	1	H14119S	17	H14119S	14	10.9459	.5U	10	109		75	125
Nickel	16536	1	S14119A3	17	S14119A3	14	0.5794	0.1237	0.50	91		75	125
Potassium	16536	1	S14119B3	16	S14119B3	13	63.8710	13.1836	50	101		75	125
Selenium	16536	1	S14119A3	17	S14119A3	14	0.4848	0.018U	0.50	97		75	125
Silver	16536	1	S14119A3	17	S14119A3	14	0.1011	0.015U	0.10	101		75	125
Sodium	16536	1	S14119B3	16	S14119B3	13	54.5587	4.8490	50	99		75	125
Thallium	16536	1	S14119C3	17	S14119C3	14	0.4866	0.012U	0.50	97		75	125
Vanadium	16536	1	S14119A3	17	S14119A3	14	0.7073	0.2330	0.50	95		75	125
Zinc	16536	1	S14119A3	17	S14119A3	14	1.0728	0.7880	0.50	57	a	75	125

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

FORM5/FORM7
SPIKE RECOVERY DATA
PREP BATCH: 16536

Instrument Type: ICP/HG
Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: MS Matrix: SOIL SampleID: AC66916-002

Analyte	BatchId	DF	Data Fil	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Adde	Recov	Qual	Lo Lim	Hi Lim
Aluminum	16536	1	S14119B3	15	S14119B3	13	80.5975	70.0844	5.0	210	b	75	125
Antimony	16536	1	S14119A3	16	S14119A3	14	0.2656	0.02U	0.50	53	a	75	125
Arsenic	16536	1	S14119A3	16	S14119A3	14	0.5131	0.0373	0.50	95		75	125
Barium	16536	1	S14119A3	16	S14119A3	14	1.2102	0.7667	0.50	89		75	125
Beryllium	16536	1	S14119A3	16	S14119A3	14	0.4798	0.006U	0.50	96		75	125
Cadmium	16536	1	S14119A3	16	S14119A3	14	0.4793	0.006U	0.50	96		75	125
Calcium	16536	1	S14119B3	15	S14119B3	13	510.7350	497.2450	50	27	b	75	125
Chromium	16536	1	S14119A3	16	S14119A3	14	0.6594	0.2228	0.50	87		75	125
Cobalt	16536	1	S14119A3	16	S14119A3	14	0.5151	0.0370	0.50	96		75	125
Copper	16536	1	S14119A3	16	S14119A3	14	0.7559	0.1996	0.50	111		75	125
Iron	16536	1	S14119B3	15	S14119B3	13	122.2340	101.6500	5.0	412	b	75	125
Lead	16536	1	S14119A3	16	S14119A3	14	0.8570	0.4080	0.50	90		75	125
Magnesium	16536	1	S14119B3	15	S14119B3	13	106.0020	57.8636	50	96		75	125
Manganese	16536	1	S14119A3	16	S14119A3	14	2.8547	2.0659	0.50	158	b	75	125
Mercury	16536	1	H14119S	16	H14119S	14	11.0252	.5U	10	110		75	125
Nickel	16536	1	S14119A3	16	S14119A3	14	0.6286	0.1237	0.50	101		75	125
Potassium	16536	1	S14119B3	15	S14119B3	13	65.5370	13.1836	50	105		75	125
Selenium	16536	1	S14119A3	16	S14119A3	14	0.4718	0.018U	0.50	94		75	125
Silver	16536	1	S14119A3	16	S14119A3	14	0.0990	0.015U	0.10	99		75	125
Sodium	16536	1	S14119B3	15	S14119B3	13	52.8466	4.8490	50	96		75	125
Thallium	16536	1	S14119C3	16	S14119C3	14	0.4750	0.012U	0.50	95		75	125
Vanadium	16536	1	S14119A3	16	S14119A3	14	0.6968	0.2330	0.50	93		75	125
Zinc	16536	1	S14119A3	16	S14119A3	14	1.2364	0.7880	0.50	90		75	125

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

FORM6/FORM9

RPD/%Difference Data

PREP BATCH: 16530

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR Matrix: SOIL SampleID: LCS mR 16530

Analyte	BatchId	Data Fil	Seq#:	NS File	Seq#	Result 1	Result 2	RPD		Limit
Aluminum	16530	S14114C	14	S14114C	13	74.6950	74.0593	.85		20
Antimony	16530	S14114B3	13	S14114B3	12	0.8251	0.8314	.77		20
Arsenic	16530	S14114B3	13	S14114B3	12	0.9036	0.9003	.37		20
Barium	16530	S14114B3	13	S14114B3	12	1.5819	1.5835	.096		20
Beryllium	16530	S14114B3	13	S14114B3	12	0.5598	0.5454	2.6		20
Cadmium	16530	S14114B3	13	S14114B3	12	0.5824	0.5807	.29		20
Calcium	16530	S14114C	14	S14114C	13	59.9808	62.1369	3.5		20
Chromium	16530	S14114B3	13	S14114B3	12	0.6709	0.6569	2.1		20
Cobalt	16530	S14114B3	13	S14114B3	12	1.0289	1.0138	1.5		20
Copper	16530	S14114B3	13	S14114B3	12	0.7898	0.7835	.81		20
Iron	16530	S14114A3	12	S14114A3	11	114.4510	110.3360	3.7		20
Lead	16530	S14114B3	13	S14114B3	12	0.9168	0.8994	1.9		20
Magnesium	16530	S14114C	14	S14114C	13	26.2810	25.9279	1.4		20
Manganese	16530	S14114B3	13	S14114B3	12	2.6951	2.6295	2.5		20
Mercury	16530	H14114S	13	H14114S	12	20.1380	21.8047	7.9		20
Nickel	16530	S14114B3	13	S14114B3	12	0.5749	0.5684	1.1		20
Potassium	16530	S14114C	14	S14114C	13	23.6116	23.2793	1.4		20
Selenium	16530	S14114B3	13	S14114B3	12	0.8091	0.8238	1.8		20
Silver	16530	S14114B3	13	S14114B3	12	0.3286	0.3185	3.1		20
Sodium	16530	S14114C	14	S14114C	13	2.1177	2.3721	11		20
Thallium	16530	S14114B3	13	S14114B3	12	1.2258	1.2118	1.1		20
Vanadium	16530	S14114B3	13	S14114B3	12	0.5011	0.4922	1.8		20
Zinc	16530	S14114B3	13	S14114B3	12	1.3693	1.3790	.7		20

TxtQcType: MR Matrix: SOIL SampleID: AC66869-003

Analyte	BatchId	Data Fil	Seq#:	NS File	Seq#	Result 1	Result 2	RPD		Limit
Aluminum	16530	S14114C	19	S14114C	18	171.4180	169.0600	1.4		20
Antimony	16530	S14114B3	15	S14114B3	14	0.02U	0.02U	---		20
Arsenic	16530	S14114B3	15	S14114B3	14	0.02U	0.02U	---		20
Barium	16530	S14114B3	15	S14114B3	14	1.0654	1.0416	2.3		20
Beryllium	16530	S14114B3	15	S14114B3	14	0.006U	0.006U	---		20
Cadmium	16530	S14114B3	15	S14114B3	14	0.006U	0.006U	---		20
Calcium	16530	S14114C	19	S14114C	18	13.0970	19.8585	41	b	20
Chromium	16530	S14114B3	15	S14114B3	14	0.4061	0.4051	0.24		20
Cobalt	16530	S14114B3	15	S14114B3	14	0.1148	0.1139	0.78		20
Copper	16530	S14114B3	15	S14114B3	14	0.3070	0.2824	8.3		20
Iron	16530	S14114A3	14	S14114A3	13	226.3550	215.9640	4.7		20
Lead	16530	S14114B3	15	S14114B3	14	0.1351	0.1801	29	b	20
Magnesium	16530	S14114C	19	S14114C	18	58.6026	56.9982	2.8		20
Manganese	16530	S14114B3	15	S14114B3	14	4.4475	4.5558	2.4		20
Mercury	16530	H14114S	15	H14114S	14	.5U	.5U	---		20
Nickel	16530	S14114B3	15	S14114B3	14	0.2706	0.2673	1.2		20
Potassium	16530	S14114C	19	S14114C	18	46.7373	46.7720	0.074		20
Selenium	16530	S14114B3	15	S14114B3	14	0.018U	0.018U	---		20
Silver	16530	S14114B3	15	S14114B3	14	0.015U	0.015U	---		20
Sodium	16530	S14114C	19	S14114C	18	2.5U	2.5U	---		20
Thallium	16530	S14114B3	15	S14114B3	14	0.012U	0.012U	---		20
Vanadium	16530	S14114B3	15	S14114B3	14	0.3973	0.3790	4.7		20
Zinc	16530	S14114B3	15	S14114B3	14	0.5159	0.5268	2.1		20

a-Indicates Rpd Failed the criteria

b-Method Rep Out but concentrations < 5*RL

c-Serial dilution Out but conc < 10 * IDL

FORM6/FORM9

RPD/%Difference Data

PREP BATCH: 16530

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: MSD Matrix: SOIL SampleID: AC66869-003

Analyte	BatchId	Data Fil	Seq#:	MS File	Seq#	Result 1	Result 2	RPD		Limit
Aluminum	16530	S14114C	21	S14114C	20	180.0910	189.3500	5		20
Antimony	16530	S14114B3	17	S14114B3	16	0.1976	0.1854	6.4		20
Arsenic	16530	S14114B3	17	S14114B3	16	0.4449	0.4397	1.2		20
Barium	16530	S14114B3	17	S14114B3	16	1.5217	1.5847	4.1		20
Beryllium	16530	S14114B3	17	S14114B3	16	0.4473	0.4430	.97		20
Cadmium	16530	S14114B3	17	S14114B3	16	0.4554	0.4492	1.4		20
Calcium	16530	S14114C	21	S14114C	20	62.2460	95.9026	43	a	20
Chromium	16530	S14114B3	17	S14114B3	16	0.8612	0.9042	4.9		20
Cobalt	16530	S14114B3	17	S14114B3	16	0.5715	0.5575	2.5		20
Copper	16530	S14114B3	17	S14114B3	16	0.7588	0.7702	1.5		20
Iron	16530	S14114A3	16	S14114A3	15	223.6820	239.5800	6.9		20
Lead	16530	S14114B3	17	S14114B3	16	1.0558	0.8419	23	a	20
Magnesium	16530	S14114C	21	S14114C	20	108.1480	108.8370	.64		20
Manganese	16530	S14114B3	17	S14114B3	16	4.7971	4.5531	5.2		20
Mercury	16530	H14114S	17	H14114S	16	9.9686	10.0098	.41		20
Nickel	16530	S14114B3	17	S14114B3	16	0.7237	0.7160	1.1		20
Potassium	16530	S14114C	21	S14114C	20	97.7675	96.9279	.86		20
Selenium	16530	S14114B3	17	S14114B3	16	0.4587	0.4330	5.8		20
Silver	16530	S14114B3	17	S14114B3	16	0.0826	0.0818	1		20
Sodium	16530	S14114C	21	S14114C	20	52.0417	51.9263	.22		20
Thallium	16530	S14114B3	17	S14114B3	16	0.4690	0.4632	1.2		20
Vanadium	16530	S14114B3	17	S14114B3	16	0.8186	0.8285	1.2		20
Zinc	16530	S14114B3	17	S14114B3	16	0.9593	1.2785	29	a	20

TxtQcType: SD Matrix: SOIL SampleID: AC66869-003

Analyte	BatchId	Data Fil	Seq#:	NS File	Seq#	DF	Result 1	Result 2	%Diff		Limit
Aluminum	16530	S14114C	23	S14114C	18	5	35.2027	169.0600	4.1		10
Antimony	16530	S14114B3	21	S14114B3	14	5	0.0000	0.0052	---		10
Arsenic	16530	S14114B3	21	S14114B3	14	5	0.0018	0.0045	---		10
Barium	16530	S14114B3	21	S14114B3	14	5	0.2340	1.0416	12	a	10
Beryllium	16530	S14114B3	21	S14114B3	14	5	0.0009	0.0034	27	a	10
Cadmium	16530	S14114B3	21	S14114B3	14	5	0.0025	0.0053	137	c	10
Calcium	16530	S14114C	23	S14114C	18	5	3.7482	19.8585	5.6		10
Chromium	16530	S14114B3	21	S14114B3	14	5	0.0924	0.4051	14	a	10
Cobalt	16530	S14114B3	21	S14114B3	14	5	0.0261	0.1139	15	a	10
Copper	16530	S14114B3	21	S14114B3	14	5	0.0656	0.2824	16	a	10
Iron	16530	S14114A3	20	S14114A3	13	5	46.7491	215.9640	8.2		10
Lead	16530	S14114B3	21	S14114B3	14	5	0.0388	0.1801	7.7		10
Magnesium	16530	S14114C	23	S14114C	18	5	11.6487	56.9982	2.2		10
Manganese	16530	S14114B3	21	S14114B3	14	5	1.0182	4.5558	12	a	10
Nickel	16530	S14114B3	21	S14114B3	14	5	0.0598	0.2673	12	a	10
Potassium	16530	S14114C	23	S14114C	18	5	9.5580	46.7720	2.2		10
Selenium	16530	S14114B3	21	S14114B3	14	5	0.0085	-0.0012	---		10
Silver	16530	S14114B3	21	S14114B3	14	5	-0.0011	-0.0051	---		10
Sodium	16530	S14114C	23	S14114C	18	5	-0.7614	1.0610	---		10
Thallium	16530	S14114B3	21	S14114B3	14	5	-0.0005	0.0047	---		10
Vanadium	16530	S14114B3	21	S14114B3	14	5	0.0881	0.3790	16	a	10
Zinc	16530	S14114B3	21	S14114B3	14	5	0.1213	0.5268	15	a	10

a-Indicates Rpd Failed the criteria

b-Method Rep Out but concentrations < 5*RL

c-Serial dilution Out but conc < 10 * IDL

FORM6/FORM9

RPD/%Difference Data

PREP BATCH: 16536

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR Matrix: SOIL SampleID: LCS MR 16536

Analyte	BatchId	Data Fil	Seq#:	NS File	Seq#	Result 1	Result 2	RPD		Limit
Aluminum	16536	S14119B3	12	S14119B3	11	70.1083	70.8857	1.1		20
Antimony	16536	S14119A3	13	S14119A3	12	1.1046	1.1265	2		20
Arsenic	16536	S14119A3	13	S14119A3	12	0.9444	0.9553	1.1		20
Barium	16536	S14119A3	13	S14119A3	12	1.7253	1.7162	.53		20
Beryllium	16536	S14119A3	13	S14119A3	12	0.5639	0.5675	.63		20
Cadmium	16536	S14119A3	13	S14119A3	12	0.6045	0.6029	.26		20
Calcium	16536	S14119B3	12	S14119B3	11	59.7878	58.4172	2.3		20
Chromium	16536	S14119A3	13	S14119A3	12	0.7000	0.7138	2		20
Cobalt	16536	S14119A3	13	S14119A3	12	1.0691	1.0777	.8		20
Copper	16536	S14119A3	13	S14119A3	12	0.8132	0.8153	.25		20
Iron	16536	S14119B3	12	S14119B3	11	123.2950	123.6520	.29		20
Lead	16536	S14119A3	13	S14119A3	12	0.9261	0.9321	.64		20
Magnesium	16536	S14119B3	12	S14119B3	11	24.7916	25.2463	1.8		20
Manganese	16536	S14119A3	13	S14119A3	12	2.8120	2.8654	1.9		20
Mercury	16536	H14119S	13	H14119S	12	22.2410	21.6541	2.7		20
Nickel	16536	S14119A3	13	S14119A3	12	0.5922	0.5956	.57		20
Potassium	16536	S14119B3	12	S14119B3	11	23.5206	23.8743	1.5		20
Selenium	16536	S14119A3	13	S14119A3	12	0.8629	0.8719	1		20
Silver	16536	S14119A3	13	S14119A3	12	0.3517	0.3473	1.3		20
Sodium	16536	S14119B3	12	S14119B3	11	1.9649	1.9968	1.6		20
Thallium	16536	S14119C3	13	S14119C3	12	1.2827	1.2692	1.1		20
Vanadium	16536	S14119A3	13	S14119A3	12	0.5565	0.5581	.28		20
Zinc	16536	S14119A3	13	S14119A3	12	1.4266	1.4327	.43		20

TxtQcType: MR Matrix: SOIL SampleID: AC66916-002

Analyte	BatchId	Data Fil	Seq#:	NS File	Seq#	Result 1	Result 2	RPD		Limit
Aluminum	16536	S14119B3	14	S14119B3	13	69.8993	70.0844	0.26		20
Antimony	16536	S14119A3	15	S14119A3	14	0.02U	0.02U	---		20
Arsenic	16536	S14119A3	15	S14119A3	14	0.0295	0.0373	23	b	20
Barium	16536	S14119A3	15	S14119A3	14	0.7590	0.7667	1		20
Beryllium	16536	S14119A3	15	S14119A3	14	0.006U	0.006U	---		20
Cadmium	16536	S14119A3	15	S14119A3	14	0.006U	0.006U	---		20
Calcium	16536	S14119B3	14	S14119B3	13	484.3380	497.2450	2.6		20
Chromium	16536	S14119A3	15	S14119A3	14	0.1672	0.2228	29	b	20
Cobalt	16536	S14119A3	15	S14119A3	14	0.0357	0.0370	3.6		20
Copper	16536	S14119A3	15	S14119A3	14	0.2086	0.1996	4.4		20
Iron	16536	S14119B3	14	S14119B3	13	106.7410	101.6500	4.9		20
Lead	16536	S14119A3	15	S14119A3	14	0.3860	0.4080	5.5		20
Magnesium	16536	S14119B3	14	S14119B3	13	51.7354	57.8636	11		20
Manganese	16536	S14119A3	15	S14119A3	14	2.2833	2.0659	10		20
Mercury	16536	H14119S	15	H14119S	14	.5U	.5U	---		20
Nickel	16536	S14119A3	15	S14119A3	14	0.1009	0.1237	20		20
Potassium	16536	S14119B3	14	S14119B3	13	13.4443	13.1836	2		20
Selenium	16536	S14119A3	15	S14119A3	14	0.018U	0.018U	---		20
Silver	16536	S14119A3	15	S14119A3	14	0.015U	0.015U	---		20
Sodium	16536	S14119B3	14	S14119B3	13	4.7407	4.8490	2.3		20
Thallium	16536	S14119C3	15	S14119C3	14	0.012U	0.012U	---		20
Vanadium	16536	S14119A3	15	S14119A3	14	0.2150	0.2330	8		20
Zinc	16536	S14119A3	15	S14119A3	14	0.5973	0.7880	28	a	20

a-Indicates Rpd Failed the criteria

b-Method Rep Out but concentrations < 5*RL

c-Serial dilution Out but conc < 10 * IDL

FORM6/FORM9

RPD/%Difference Data

PREP BATCH: 16536

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: MSD Matrix: SOIL SampleID: AC66916-002

Analyte	BatchId	Data Fil	Seq#:	MS File	Seq#	Result 1	Result 2	RPD		Limit
Aluminum	16536	S14119B3	16	S14119B3	15	75.0061	80.5975	7.2		20
Antimony	16536	S14119A3	17	S14119A3	16	0.2670	0.2656	.51		20
Arsenic	16536	S14119A3	17	S14119A3	16	0.5243	0.5131	2.2		20
Barium	16536	S14119A3	17	S14119A3	16	1.1884	1.2102	1.8		20
Beryllium	16536	S14119A3	17	S14119A3	16	0.4877	0.4798	1.6		20
Cadmium	16536	S14119A3	17	S14119A3	16	0.4921	0.4793	2.6		20
Calcium	16536	S14119B3	16	S14119B3	15	598.7140	510.7350	16		20
Chromium	16536	S14119A3	17	S14119A3	16	0.6668	0.6594	1.1		20
Cobalt	16536	S14119A3	17	S14119A3	16	0.5193	0.5151	.81		20
Copper	16536	S14119A3	17	S14119A3	16	0.7273	0.7559	3.9		20
Iron	16536	S14119B3	16	S14119B3	15	105.9820	122.2340	14		20
Lead	16536	S14119A3	17	S14119A3	16	0.8645	0.8570	.88		20
Magnesium	16536	S14119B3	16	S14119B3	15	132.1400	106.0020	22	a	20
Manganese	16536	S14119A3	17	S14119A3	16	2.7072	2.8547	5.3		20
Mercury	16536	H14119S	17	H14119S	16	10.9459	11.0252	.72		20
Nickel	16536	S14119A3	17	S14119A3	16	0.5794	0.6286	8.2		20
Potassium	16536	S14119B3	16	S14119B3	15	63.8710	65.5370	2.6		20
Selenium	16536	S14119A3	17	S14119A3	16	0.4848	0.4718	2.7		20
Silver	16536	S14119A3	17	S14119A3	16	0.1011	0.0990	2.1		20
Sodium	16536	S14119B3	16	S14119B3	15	54.5587	52.8466	3.2		20
Thallium	16536	S14119C3	17	S14119C3	16	0.4866	0.4750	2.4		20
Vanadium	16536	S14119A3	17	S14119A3	16	0.7073	0.6968	1.5		20
Zinc	16536	S14119A3	17	S14119A3	16	1.0728	1.2364	14		20

TxtQcType: SD Matrix: SOIL SampleID: AC66916-002

Analyte	BatchId	Data Fil	Seq#:	NS File	Seq#	DF	Result 1	Result 2	%Diff		Limit
Aluminum	16536	S14119B3	20	S14119B3	13	5	14.2000	70.0844	1.3		10
Antimony	16536	S14119A3	21	S14119A3	14	5	0.0027	0.0119	---		10
Arsenic	16536	S14119A3	21	S14119A3	14	5	0.0065	0.0373	---		10
Barium	16536	S14119A3	21	S14119A3	14	5	0.1551	0.7667	1.2		10
Beryllium	16536	S14119A3	21	S14119A3	14	5	0.0005	0.0031	23	c	10
Cadmium	16536	S14119A3	21	S14119A3	14	5	0.0012	0.0032	91	c	10
Calcium	16536	S14119B3	20	S14119B3	13	5	101.3320	497.2450	1.9		10
Chromium	16536	S14119A3	21	S14119A3	14	5	0.0438	0.2228	1.8		10
Cobalt	16536	S14119A3	21	S14119A3	14	5	0.0074	0.0370	0.25		10
Copper	16536	S14119A3	21	S14119A3	14	5	0.0386	0.1996	3.2		10
Iron	16536	S14119B3	20	S14119B3	13	5	21.1029	101.6500	3.8		10
Lead	16536	S14119A3	21	S14119A3	14	5	0.0784	0.4080	3.9		10
Magnesium	16536	S14119B3	20	S14119B3	13	5	12.0298	57.8636	3.9		10
Manganese	16536	S14119A3	21	S14119A3	14	5	0.4261	2.0659	3.1		10
Nickel	16536	S14119A3	21	S14119A3	14	5	0.0230	0.1237	6.9		10
Potassium	16536	S14119B3	20	S14119B3	13	5	2.7145	13.1836	2.9		10
Selenium	16536	S14119A3	21	S14119A3	14	5	-0.0090	-0.0125	---		10
Silver	16536	S14119A3	21	S14119A3	14	5	0.0008	0.0025	---		10
Sodium	16536	S14119B3	20	S14119B3	13	5	0.9238	4.8490	4.7		10
Thallium	16536	S14119C3	21	S14119C3	14	5	-0.0005	0.0032	---		10
Vanadium	16536	S14119A3	21	S14119A3	14	5	0.0493	0.2330	5.8		10
Zinc	16536	S14119A3	21	S14119A3	14	5	0.1608	0.7880	2		10

a-Indicates Rpd Failed the criteria

b-Method Rep Out but concentrations < 5*RL

c-Serial dilution Out but conc < 10 * IDL

Hampton-Clarke/Veritech

ICP SAMPLE PREPARATION LOG

ANALYTICAL METHOD: 3010A 3005A 3050B (6020) 200.7/200.8 OTHER

Batch No.: 14114 Analyst: JH

QC Number: 16530 Prep Date: 7/10/12

Matrix: Soil Reviewed By: [illegible]

LAB ID#	ICP		ICP-MS (Secondary dil)		TCLP		COMMENTS
	Initial	Final	Aliquot	Final	Eff	TCLP	
Method blank	50ml	50ml				–	
LCS	0.5g					–	
LCSD						–	
1. AC 66869-003							
MR 66869-003							
MS 66869-003							
MSD 66869-003							
2. 66859-001							
3. 66859-002							
4. 66859-003							
5. 66859-004							
6. 66859-005							
7. 66859-006							
8. 66859-007							
9. 66869-001							
10. 66869-002							
11. 66869-004							
12. 66869-005							
13. 66869-006							
14. 66869-008							
15. 66838-001							
16. 66702-009							
17. 66702-016							
18.							
19.							
20.							

Hot Plate Temperature: 92°c C (90-95° C)

	Volume mL	Lot #
LCS, LCSD	0.5g	V-6940
LLLCS, LLLCSD	g	V-
MS, MSD	0.5ml	V-6785, 6786
LLMS, LLMSD		V-

Acid	Vol mL	Lot#
HNO_3	2.5	V-6919
HCl	5	V-7037
H_2O_2	1.5	V-6936

Acid	Vol mL	Lot#
1:1 HNO_3	5	V-14420
1:1 HCl		V-

Relinquished By JH Date 7/10/12

Received By [illegible] Date 07/16/2012

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HG SAMPLE PREPARATION LOG

ANALYTICAL METHOD: 245.1 7470A (7471A) OTHER_____

Batch No.:* 14114

QC Number: 16530

Matrix: SO12

Analyst: JY

Prep Date: 7/10/12.

Review By: [illegible]

LAB ID#	MERCURY INITIAL	MERCURY FINAL	COMMENTS
Method blank	25mL	25mL	
LCS	0.15g		
LCSD			
1 AC 66869-003			
MR 66869-003			
MS 66869-003			
MSD 66869-003			
2 66859-001			
3 66859-002			
4 66859-003			
5 66859-004			
6 66859-005			
7 66859-006			
8 66859-007			
9 66869-001			
10 66869-002			
11 66869-004			
12 66869-005			
13 66869-006			
14 66869-008			
15 66838-001			
16 66702-009			
17 66702-016			
18			
19			
20			

Lot Numbers	Acid	Volume (mL)	Lot #
$KmnO_4$: V- 140199	HNO_3		V-
$K_2S_2O_8$: V-	HCl		V-
NH_2OH: V- 140201	H_2SO_4		V-
	Aqua Regia	1.25mL	V- 145356

**Block Temp.:	92.1° C
Time In Block:	15:00
Time Out of Block:	15:30
** Required range = 90-95° C	

Spike Volume & Lot #

☐ LCS V- 6940 (0.15g / 0.25 ml)

☐ MS V- 145333 0.250 ml

☐ Standards/Control Batch B- 13732

Relinquished By: JY

*25 mLs of each standard was digested with this batch using the same reagents and at the same time as the above samples. The preparation of each standard may be referenced in Veriprog using the standard batch number and the corresponding V #s.

Hampton-Clarke/Veritech

ICP SAMPLE PREPARATION LOG

ANALYTICAL METHOD: 3010A 3005A (3050B) (6020) 200.7/200.8 OTHER_____

Batch No.: 14119 Analyst: PH

QC Number: 16536 Prep Date: ~~7/6/12~~ 7/5/12 PH

Matrix: Soil Reviewed By: [illegible]

LAB ID#	ICP		ICP-MS (Secondary dil)		TCLP		COMMENTS
	Initial	Final	Aliquot	Final	Eff	TCLP	
Method blank	50ml	50ml				--	
LCS	0.5g.					--	
LCSD						--	
1. 66916-002							
MR 66916-002							
MS 66916-002							
MSD 66916-002							
2. 66856-002	50ml						FB
3. 66856-008	0.5g.						
4. 66856-009							
5. 66869-007							
6. 66927-001							
7. 66927-002							
8. 66927-003							
9. 66917-001							
10. 66917-002							
11. 66917-008							
12. 66917-012	50ml						FD
PH 7/5/12 13. 66911-001	50ml						↓
14. 66911-006	0.5g						
15. 66911-007							
16. 66911-008							
17. 66911-009							
18. MBFB	50ml						
19. LCSW	↓	↓					
20.							

Hot Plate Temperature: 92.5 C (90-95° C)

	Volume mL	Lot #
LCS, LCSD	0.5g.	V- 6940
LLLCS, LLLCSD		V-
MS, MSD	0.5ml.	V- 6785, 6786
LLMS, LLMSD		V-

Acid	Vol mL	Lot#
HNO_3	2.5ml	V- 6919
HCl	5ml	V- 7037
H_2O_2	1.5ml	V- 6936

Acid	Vol mL	Lot#
1:1 HNO_3	5ml	V- 144207
1:1 HCl		V-

Relinquished By PH per [illegible] Date ~~7/6/12~~ 7/5/12 PH

Received By [illegible] Date 07/06/2012

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Hampton-Clarke/Veritech

HG SAMPLE PREPARATION LOG

ANALYTICAL METHOD: 245.1 7470A (7471A) OTHER_____

Batch No.:* 14119

QC Number: 16536

Matrix: Soil

Analyst: PH

Prep Date: 7/5/12

Review By: [illegible]

LAB ID#	MERCURY INITIAL	MERCURY FINAL	COMMENTS
Method blank	25 ml	25 ml	
LCS	0.15g.		
LCSD			
1 66916-002			
MR 66916-002			
MS 66916-002			
MSD 66916-002			
2 66856-002	25 ml		PB
3 66856-008	0.15g		
4 66856-009			
5 66869-007			
6 66917-001			
7 66917-002			
8 66917-008			
9 66917-012	25 ml.		PB
10 66911-001			
11 66911-006	0.15g		
12 66911-007			
13 66911-008			
14 66911-009.			
15			
16			
17			
18			
19			
20			

Lot Numbers	Acid	Volume (mL)	Lot #
$KmnO_4$: V- 140199	HNO_3		V-
PH $K_2S_2O_8$: V- ~~140200~~	HCl		V-
NH_2OH: V- 140201	H_2SO_4		V-
	Aqua Regia	1.25 ml	V- 145101

**Block Temp. :	95° C
Time In Block:	2:00 pm
Time Out of Block:	2:30 pm
** Required range = 90-95°	

Spike Volume & Lot #

☐ LCS V- 6940 (0.15g) 0.25 ml

☐ MS V- 145046 0.250 ml

☐ Standards/Control Batch B- 13711

Relinquished By: PHPatel

*25 mLs of each standard was digested with this batch using the same reagents and at the same time as the above samples. The preparation of each standard may be referenced in Veriprog using the standard batch number and the corresponding V #s.

Run Log

Data File: W:\METALS.FRM\ICPDATA\New\PEICP3A\S14114B3.txt

Analysis Date: 07/14/12 **Instrument:** PEICP3A

Sample Id	DF	Qc Type	Time	Run #	Test Group	Rept Limit Matrix	Qc Matrix	Anal Method	Prep Batch	Comments:	Stds:
Calib Blank 1 V-143551	1	CAL	20:16	1							V-143551(ICB/CCB)
Calib 1 V-142314	1	CAL	20:19	2							V-142314(ICS1 Lowest std)
Calib 2 V-144244	1	CAL	20:22	3							V-144244(ICS2- Low Std)
Calib 3 V-143664	1	CAL	20:26	4							V-143664(ICS3 - Middle Std)
Calib 4 V-144744	1	CAL	20:29	5							V-144744(ICS4 - High std)
ICS3 V-143664	1	ICS	20:34	6							V-143664(ICS3 - Middle Std)
ICV (2) V-144247	1	ICV	20:37	7							V-144247(ICV)
ICB V-143551	1	ICB	20:42	8							V-143551(ICB/CCB)
ICSA V-143744	1	ICSA	20:45	9							V-143744(ICSA)
ICSAB V-143745	1	ICSAB	20:50	10							V-143745(ICSAB)
MB 16530 (100)	1	MB	20:54	11	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
LCS 16530	1	LCS	20:58	12	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
LCS MR 16530	1	LCS	21:02	13	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66869-003	1	SMP	21:07	14	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66869-003	1	MR	21:11	15	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66869-003	1	MS	21:15	16	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66869-003	1	MSD	21:20	17	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66869-003	1	PS	21:24	18	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
CCV V-144703	1	CCV	21:29	19							V-144703(CCV)
CCB V-143551	1	CCB	21:32	20							V-143551(ICB/CCB)
AC66869-003	5	SD	21:35	21	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66859-001	1	SMP	21:39	22	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66859-002	1	SMP	21:44	23	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66859-003	1	SMP	21:48	24	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66859-004	1	SMP	21:52	25	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66859-005	1	SMP	21:57	26	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66859-006	1	SMP	22:01	27	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
ICSA V-143744	1	ICSA	22:06	28							V-143744(ICSA)
ICSAB V-143745	1	ICSAB	22:10	29							V-143745(ICSAB)
CCV V-144703	1	CCV	22:15	30							V-144703(CCV)
CCB V-143551	1	CCB	22:19	31							V-143551(ICB/CCB)
AC66859-007	1	SMP	22:22	32	METALS-TAL-S	SOIL	SOIL	SW846	16530	Ag NOT reported - high negative result	0
~~AC66869-001~~	~~1~~	~~SMP~~	~~22:27~~	~~33~~	~~METALS-TAL-S~~	~~SOIL~~	~~SOIL~~	~~SW846~~	~~16530~~		~~0~~
AC66869-002	1	SMP	22:31	34	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66869-004	1	SMP	22:35	35	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66869-005	1	SMP	22:40	36	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66869-006	1	SMP	22:44	37	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
CCV V-144703	1	CCV	22:49	38							V-144703(CCV)
CCB V-143551	1	CCB	22:52	39							V-143551(ICB/CCB)
AC66869-008	1	SMP	22:55	40	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66838-001	1	SMP	23:00	41	MET-RCRA-S	SOIL	SOIL	SW846	16530		0
AC66702-009	1	SMP	23:03	42	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66702-016	1	SMP	23:07	43	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66859-007	2	SMP	23:10	44	METALS-TAL-S	SOIL	SOIL	SW846	16530	Only Ag reported	0
ICSA V-143744	1	ICSA	23:15	45							V-143744(ICSA)
ICSAB V-143745	1	ICSAB	23:20	46							V-143745(ICSAB)
CCV V-144703	1	CCV	23:24	47							V-144703(CCV)
CCB V-143551	1	CCB	23:28	48							V-143551(ICB/CCB)

Comments/Reviewedby:

Standard/Batch/SnCl2 Lot #:

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olufemi
192.168.1.89 7/16/2012 1:15:09 PM

RUN IS OK

7/16/12

Run Log

Data File: W:\METALS.FRM\ICPDATA\New\PEICPRAD1A\S14114C.txt

Analysis Date: 07/16/12

Instrument: PEICPRAD1A

Sample Id	DF	Qc Type	Time	Run #	Test Group	Rept Limit Matrix	Qc Matrix	Anal Method	Prep Batch	Comments:	Stds:
Calib Blk 1 V-143551	1	CAL	10:23	1							V-143551(ICB/CCB)
Calib Std 1 V-142913	1	CAL	10:26	2							V-142913(ICS2- Low Std)
Calib Std 2 V-142393	1	CAL	10:29	3							V-142393(ICS3 - Middle Std)
Calib Std 3 V-142916	1	CAL	10:32	4							V-142916(ICS4 - High std)
ICS3 V-142393	1	ICS	10:34	5							V-142393(ICS3 - Middle Std)
ICV V-142322 (2)	1	ICV	10:37	6							V-142322(ICV)
ICB V-143551	1	ICB	10:39	7							V-143551(ICB/CCB)
ICSA V-142910	1	ICSA	10:42	8							V-142910(ICSA)
ICSAB V-142911	1	ICSAB	10:46	9							V-142911(ICSAB)
MB 16551 (100)	1	NA	10:50	10		SOIL	SOIL	SW846	16551	reference only	0
LCS 16551	1	NA	10:53	11		SOIL	SOIL	SW846	16551	reference only	0
LCS MR 16551	1	NA	10:56	12		SOIL	SOIL	SW846	16551	reference only	0
LCS 16530	1	LCS	10:58	13		SOIL	SOIL	SW846	16530		0
LCS mR 16530	1	LCS	11:00	14		SOIL	SOIL	SW846	16530		0
MB 16530 (100)	1	MB	11:03	15		SOIL	SOIL	SW846	16530		0
CCV V-143098	1	CCV	11:06	16							V-143098(CCV)
CCB	1	CCB	11:09	17							0
AC66869-003	1	SMP	11:12	18	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66869-003	1	MR	11:15	19	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66869-003	1	MS	11:18	20	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66869-003	1	MSD	11:21	21	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66869-003	1	PS	11:24	22	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66869-003	5	SD	11:28	23	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
CCV V-143098	1	CCV	11:30	24							V-143098(CCV)
CCB	1	CCB	11:33	25							0
AC66859-001	1	SMP	11:36	26	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66859-002	1	SMP	11:39	27	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66859-003	1	SMP	11:43	28	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66859-004	1	SMP	11:46	29	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66859-005	1	SMP	11:50	30	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66859-006	1	SMP	11:53	31	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66859-007	1	SMP	11:56	32	METALS-TAL-S	SOIL	SOIL	SW846	16530	Fe over RL	0
ICSA V-142910	1	ICSA	12:00	33							V-142910(ICSA)
ICSAB V-142911	1	ICSAB	12:04	34							V-142911(ICSAB)
CCV V-143098	1	CCV	12:07	35						Fe failed (carryover)	V-143098(CCV)
CCB	1	CCB	12:10	36							0
AC66869-001	1	SMP	12:14	37	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66869-002	1	SMP	12:17	38	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66869-004	1	SMP	12:20	39	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66869-005	1	SMP	12:23	40	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66869-006	1	SMP	12:26	41	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66869-008	1	SMP	12:29	42	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
CCV V-143098	1	CCV	12:32	43							V-143098(CCV)
CCB	1	CCB	12:35	44							0
AC66702-009	1	SMP	12:39	45	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66702-016	1	SMP	12:42	46	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
ICSA V-142910	1	ICSA	12:45	47							V-142910(ICSA)
ICSAB V-142911	1	ICSAB	12:48	48							V-142911(ICSAB)
CCV V-143098	1	CCV	12:52	49							V-143098(CCV)
CCB	1	CCB	12:55	50							0

Comments/Reviewedby:

sean
192.168.1.78 7/16/2012 1:31:30 PM

OK except Fe

Standard/Batch/SnCl2 Lot #:

7/16/12

Run Log

Data File: W:\METALS.FRM\ICPDATA\New\PEICPRAD3A\S14114A3.txt

Analysis Date: 07/13/12

Instrument: PEICPRAD3A

Sample Id	DF	Qc Type	Time	Run #	Test Group	Rept Limit Matrix	Qc Matrix	Anal Method	Prep Batch	Comments:	Stds:
Calib Blk 1 V-143551	1	CAL	21:59	1							V-143551(ICB/CCB)
Calib 1 V-144244	1	CAL	22:02	2							V-144244(ICS2- Low Std)
Calib 2 V-143664	1	CAL	22:05	3							V-143664(ICS3 - Middle Std)
Calib 3 V-144744	1	CAL	22:09	4							V-144744(ICS4 - High std)
ICS3 V-143664	1	ICS	22:12	5							V-143664(ICS3 - Middle Std)
ICV (2) V-144247	1	ICV	22:15	6							V-144247(ICV)
ICB V-143551	1	ICB	22:18	7							V-143551(ICB/CCB)
ICSA V-143744	1	ICSA	22:21	8							V-143744(ICSA)
ICSAB V-143745	1	ICSAB	22:25	9							V-143745(ICSAB)
MB 16530 (100)	1	MB	22:29	10		SOIL	SOIL	SW846	16530		0
LCS 16530	1	LCS	22:32	11		SOIL	SOIL	SW846	16530		0
LCS MR 16530	1	LCS	22:35	12		SOIL	SOIL	SW846	16530		0
AC66869-003	1	SMP	22:38	13	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66869-003	1	MR	22:42	14	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66869-003	1	MS	22:45	15	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66869-003	1	MSD	22:48	16	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66869-003	1	PS	22:52	17	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
CCV V-144703	1	CCV	22:55	18							V-144703(CCV)
CCB V-143551	1	CCB	22:59	19							V-143551(ICB/CCB)
AC66869-003	5	SD	23:02	20	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66859-001	1	SMP	23:05	21	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66859-002	1	SMP	23:09	22	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66859-003	1	SMP	23:13	23	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66859-004	1	SMP	23:17	24	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66859-005	1	SMP	23:21	25	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66859-006	1	SMP	23:25	26	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
ICSA V-143744	1	ICSA	23:29	27							V-143744(ICSA)
ICSAB V-143745	1	ICSAB	23:33	28							V-143745(ICSAB)
CCV V-144703	1	CCV	23:37	29							V-144703(CCV)
CCB V-143551	1	CCB	23:40	30							V-143551(ICB/CCB)
AC66859-007	1	SMP	23:43	31	METALS-TAL-S	SOIL	SOIL	SW846	16530	Fe NOT reported - conc. > linr range	0
AC66869-001	1	SMP	23:47	32	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66869-002	1	SMP	23:50	33	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66869-004	1	SMP	23:53	34	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66869-005	1	SMP	23:56	35	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66869-006	1	SMP	00:00	36	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
CCV V-144703	1	CCV	00:03	37							V-144703(CCV)
CCB V-143551	1	CCB	00:07	38							V-143551(ICB/CCB)
AC66869-008	1	SMP	00:10	39	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66702-009	1	SMP	00:13	40	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
AC66702-016	1	SMP	00:16	41	METALS-TAL-S	SOIL	SOIL	SW846	16530		0
ICSA V-143744	1	ICSA	00:19	42							V-143744(ICSA)
ICSAB V-143745	1	ICSAB	00:23	43							V-143745(ICSAB)
CCV V-144703	1	CCV	00:27	44							V-144703(CCV)
CCB V-143551	1	CCB	00:31	45							V-143551(ICB/CCB)

Comments/Reviewedby:

olufemi
192.168.1.89 7/16/2012 1:30:23 PM

RUN IS OK
Only Fe reported

7/16/12

Standard/Batch/SnCl2 Lot #:

Run Log

Data File: W:\METALS.FRM\ICPDATA\New\PEICP3A\S14119A3.txt

Analysis Date: 07/06/12

Instrument: PEICP3A

Sample Id	DF	Qc Type	Time	Run #	Test Group	Rept Limit Matrix	Qc Matrix	Anal Method	Prep Batch	Comments:	Stds:
Calib Blank 1 V-143551	1	CAL	01:16	1							V-143551(ICB/CCB)
Calib 1 V-142314	1	CAL	01:19	2							V-142314(ICS1 Lowest std)
Calib 2 V-144244	1	CAL	01:22	3							V-144244(ICS2- Low Std)
Calib 3 V-143664	1	CAL	01:26	4							V-143664(ICS3 - Middle Std)
Calib 4 V-144744	1	CAL	01:29	5							V-144744(ICS4 - High std)
ICS3 V-143664	1	ICS	01:34	6							V-143664(ICS3 - Middle Std)
ICV (2) V-144247	1	ICV	01:37	7							V-144247(ICV)
ICB V-143551	1	ICB	01:42	8							V-143551(ICB/CCB)
ICSA V-143744	1	ICSA	01:45	9							V-143744(ICSA)
ICSAB V-143745	1	ICSAB	01:50	10							V-143745(ICSAB)
MB 16536 (100)	1	MB	01:55	11		SOIL	SOIL	SW846	16536		0
LCS 16536	1	LCS	01:58	12		SOIL	SOIL	SW846	16536		0
LCS MR 16536	1	LCS	02:03	13		SOIL	SOIL	SW846	16536		0
AC66916-002	1	SMP	02:07	14	SRSMETALS-S	SOIL	SOIL	SW846	16536		0
AC66916-002	1	MR	02:11	15	SRSMETALS-S	SOIL	SOIL	SW846	16536		0
AC66916-002	1	MS	02:15	16	SRSMETALS-S	SOIL	SOIL	SW846	16536		0
AC66916-002	1	MSD	02:19	17	SRSMETALS-S	SOIL	SOIL	SW846	16536		0
AC66916-002	1	PS	02:23	18	SRSMETALS-S	SOIL	SOIL	SW846	16536		0
CCV V-144703	1	CCV	02:27	19							V-144703(CCV)
CCB V-143551	1	CCB	02:30	20							V-143551(ICB/CCB)
AC66916-002	5	SD	02:34	21	SRSMETALS-S	SOIL	SOIL	SW846	16536		0
AC66856-002	1	SMP	02:37	22	METALS-TAL-S	SOIL	AQUEO	SW846	16536		0
AC66856-008	1	SMP	02:41	23	METALS-TAL-S	SOIL	SOIL	SW846	16536		0
AC66856-009	1	SMP	02:45	24	METALS-TAL-S	SOIL	SOIL	SW846	16536		0
AC66869-007	1	SMP	02:49	25	METALS-TAL-S	SOIL	SOIL	SW846	16536		0
AC66927-001	1	SMP	02:53	26	PB-SOIL	SOIL	SOIL	SW846	16536		0
AC66927-002	1	SMP	02:56	27	PB-SOIL	SOIL	SOIL	SW846	16536		0
AC66927-003	1	SMP	03:00	28	PB-SOIL	SOIL	SOIL	SW846	16536		0
ICSA V-143744	1	ICSA	03:04	29							V-143744(ICSA)
ICSAB V-143745	1	ICSAB	03:09	30							V-143745(ICSAB)
CCV V-144703	1	CCV	03:14	31							V-144703(CCV)
CCB V-143551	1	CCB	03:18	32							V-143551(ICB/CCB)
AC66917-001	1	SMP	03:21	33	METALS-TAL-S	SOIL	SOIL	SW846	16536		0
AC66917-002	1	SMP	03:25	34	METALS-TAL-S	SOIL	SOIL	SW846	16536		0
AC66917-008	1	SMP	03:28	35	METALS-TAL-S	SOIL	SOIL	SW846	16536		0
AC66917-012	1	SMP	03:32	36	METALS-TAL-S	SOIL	AQUEO	SW846	16536		0
AC66911-001	1	SMP	03:35	37	METALS-TAL-S	SOIL	AQUEO	SW846	16536		0
AC66911-006	1	SMP	03:39	38	METALS-TAL-S	SOIL	SOIL	SW846	16536		0
CCV V-144703	1	CCV	03:43	39							V-144703(CCV)
CCB V-143551	1	CCB	03:47	40							V-143551(ICB/CCB)
AC66911-007	1	SMP	03:51	41	METALS-TAL-S	SOIL	SOIL	SW846	16536		0
AC66911-008	1	SMP	03:55	42	METALS-TAL-S	SOIL	SOIL	SW846	16536		0
AC66911-009	1	SMP	04:00	43	METALS-TAL-S	SOIL	SOIL	SW846	16536		0
MB FB (1)	1	MB	04:04	44		SOIL	AQUEO	SW846	16536		0
LCSW	1	LCS	04:07	45		SOIL	AQUEO	SW846	16536		0
ICSA V-143744	1	ICSA	04:11	46							V-143744(ICSA)
ICSAB V-143745	1	ICSAB	04:16	47							V-143745(ICSAB)
CCV V-144703	1	CCV	04:20	48							V-144703(CCV)
CCB V-143551	1	CCB	04:24	49							V-143551(ICB/CCB)

Comments/Reviewedby:

Standard/Batch/SnCl2 Lot #:

olufemi
192.168.1.89 7/6/2012 2:13:38 PM

RUN IS OK
All elements reported except Tl and the earth elements
...possible Ti interference on Tl

7/9/12

Run Log

Data File: W:\METALS.FRM\ICPDATA\New\PEICPRAD3A\S14119B3.txt

Analysis Date: 07/06/12

Instrument: PEICPRAD3A

Sample Id	DF	Qc Type	Time	Run #	Test Group	Rept Limit Matrix	Qc Matrix	Anal Method	Prep Batch	Comments:	Stds:
Calib Blk 1 V-143551	1	CAL	04:30	1							V-143551(ICB/CCB)
Calib 1 V-144244	1	CAL	04:34	2							V-144244(ICS2- Low Std)
Calib 2 V-143664	1	CAL	04:37	3							V-143664(ICS3 - Middle Std)
Calib 3 V-144744	1	CAL	04:40	4							V-144744(ICS4 - High std)
ICS3 V-143664	1	ICS	04:43	5							V-143664(ICS3 - Middle Std)
ICV (2) V-144247	1	ICV	04:45	6							V-144247(ICV)
ICB V-143551	1	ICB	04:48	7							V-143551(ICB/CCB)
ICSA V-143744	1	ICSA	04:52	8							V-143744(ICSA)
ICSAB V-143745	1	ICSAB	04:56	9							V-143745(ICSAB)
MB 16536 (100)	1	MB	05:00	10		SOIL	SOIL	SW846	16536		0
LCS 16536	1	LCS	05:03	11		SOIL	SOIL	SW846	16536		0
LCS MR 16536	1	LCS	05:06	12		SOIL	SOIL	SW846	16536		0
AC66916-002	1	SMP	05:09	13	SRSMETALS-S	SOIL	SOIL	SW846	16536		0
AC66916-002	1	MR	05:11	14	SRSMETALS-S	SOIL	SOIL	SW846	16536		0
AC66916-002	1	MS	05:14	15	SRSMETALS-S	SOIL	SOIL	SW846	16536		0
AC66916-002	1	MSD	05:17	16	SRSMETALS-S	SOIL	SOIL	SW846	16536		0
AC66916-002	1	PS	05:20	17	SRSMETALS-S	SOIL	SOIL	SW846	16536		0
CCV V-144703	1	CCV	05:23	18							V-144703(CCV)
CCB V-143551	1	CCB	05:26	19							V-143551(ICB/CCB)
AC66916-002	5	SD	05:29	20	SRSMETALS-S	SOIL	SOIL	SW846	16536		0
AC66856-002	1	SMP	05:32	21	METALS-TAL-S	SOIL	AQUEO	SW846	16536		0
AC66856-008	1	SMP	05:35	22	METALS-TAL-S	SOIL	SOIL	SW846	16536		0
AC66856-009	1	SMP	05:38	23	METALS-TAL-S	SOIL	SOIL	SW846	16536		0
AC66869-007	1	SMP	05:42	24	METALS-TAL-S	SOIL	SOIL	SW846	16536		0
ICSA V-143744	1	ICSA	05:44	25							V-143744(ICSA)
ICSAB V-143745	1	ICSAB	05:48	26							V-143745(ICSAB)
CCV V-144703	1	CCV	05:51	27							V-144703(CCV)
CCB V-143551	1	CCB	05:54	28							V-143551(ICB/CCB)
AC66917-001	1	SMP	05:57	29	METALS-TAL-S	SOIL	SOIL	SW846	16536		0
AC66917-002	1	SMP	06:00	30	METALS-TAL-S	SOIL	SOIL	SW846	16536		0
AC66917-008	1	SMP	06:03	31	METALS-TAL-S	SOIL	SOIL	SW846	16536		0
AC66917-012	1	SMP	06:06	32	METALS-TAL-S	SOIL	AQUEO	SW846	16536		0
AC66911-001	1	SMP	06:10	33	METALS-TAL-S	SOIL	AQUEO	SW846	16536		0
AC66911-006	1	SMP	06:13	34	METALS-TAL-S	SOIL	SOIL	SW846	16536		0
CCV V-144703	1	CCV	06:17	35							V-144703(CCV)
CCB V-143551	1	CCB	06:19	36							V-143551(ICB/CCB)
AC66911-007	1	SMP	06:23	37	METALS-TAL-S	SOIL	SOIL	SW846	16536		0
AC66911-008	1	SMP	06:26	38	METALS-TAL-S	SOIL	SOIL	SW846	16536		0
AC66911-009	1	SMP	06:30	39	METALS-TAL-S	SOIL	SOIL	SW846	16536		0
MB FB (1)	1	MB	06:33	40		SOIL	AQUEO	SW846	16536		0
LCSW	1	LCS	06:36	41		SOIL	AQUEO	SW846	16536		0
ICSA V-143744	1	ICSA	06:39	42							V-143744(ICSA)
ICSAB V-143745	1	ICSAB	06:42	43							V-143745(ICSAB)
CCV V-144703	1	CCV	06:46	44							V-144703(CCV)
CCB V-143551	1	CCB	06:49	45							V-143551(ICB/CCB)

Comments/Reviewedby:

olufemi
192.168.1.89 7/6/2012 7:58:44 PM

RUN IS OK
The eath elements reported

7/9/12

Standard/Batch/SnCl2 Lot #:

Run Log

Data File: W:\METALS.FRM\ICPDATA\New\PEICP3A\S14I19C3.txt

Analysis Date: 07/06/12

Instrument: PEICP3A

Sample Id	DF	Qc Type	Time	Run #	Test Group	Rept Limit Matrix	Qc Matrix	Anal Method	Prep Batch	Comments:	Stds:
Calib Blank 1 V-143551	1	CAL	15:20	1							V-143551(ICB/CCB)
Calib 1 V-142314	1	CAL	15:23	2							V-142314(ICS1 Lowest std)
Calib 2 V-144244	1	CAL	15:26	3							V-144244(ICS2- Low Std)
Calib 3 V-143664	1	CAL	15:30	4							V-143664(ICS3 - Middle Std)
Calib 4 V-144744	1	CAL	15:33	5							V-144744(ICS4 - High std)
ICS3 V-143664	1	ICS	15:37	6							V-143664(ICS3 - Middle Std)
ICV (2) V-144247	1	ICV	15:41	7							V-144247(ICV)
ICB V-143551	1	ICB	15:45	8							V-143551(ICB/CCB)
ICSA V-143744	1	ICSA	15:49	9							V-143744(ICSA)
ICSAB V-143745	1	ICSAB	15:53	10							V-143745(ICSAB)
MB 16536 (100)	1	MB	15:58	11		SOIL	SOIL	SW846	16536		0
LCS 16536	1	LCS	16:01	12		SOIL	SOIL	SW846	16536		0
LCS MR 16536	1	LCS	16:06	13		SOIL	SOIL	SW846	16536		0
AC66916-002	1	SMP	16:10	14	SRSMETALS-S	SOIL	SOIL	SW846	16536		0
AC66916-002	1	MR	16:14	15	SRSMETALS-S	SOIL	SOIL	SW846	16536		0
AC66916-002	1	MS	16:18	16	SRSMETALS-S	SOIL	SOIL	SW846	16536		0
AC66916-002	1	MSD	16:22	17	SRSMETALS-S	SOIL	SOIL	SW846	16536		0
AC66916-002	1	PS	16:25	18	SRSMETALS-S	SOIL	SOIL	SW846	16536		0
CCV V-144703	1	CCV	16:29	19							V-144703(CCV)
CCB V-143551	1	CCB	16:33	20							V-143551(ICB/CCB)
AC66916-002	5	SD	16:36	21	SRSMETALS-S	SOIL	SOIL	SW846	16536		0
AC66856-002	1	SMP	16:40	22	METALS-TAL-S	SOIL	AQUEO	SW846	16536		0
AC66856-008	1	SMP	16:43	23	METALS-TAL-S	SOIL	SOIL	SW846	16536		0
AC66856-009	1	SMP	16:47	24	METALS-TAL-S	SOIL	SOIL	SW846	16536		0
AC66869-007	1	SMP	16:51	25	METALS-TAL-S	SOIL	SOIL	SW846	16536		0
ICSA V-143744	1	ICSA	16:55	26							V-143744(ICSA)
ICSAB V-143745	1	ICSAB	16:59	27							V-143745(ICSAB)
CCV V-144703	1	CCV	17:04	28							V-144703(CCV)
CCB V-143551	1	CCB	17:08	29							V-143551(ICB/CCB)
AC66917-001	1	SMP	17:11	30	METALS-TAL-S	SOIL	SOIL	SW846	16536		0
AC66917-002	1	SMP	17:14	31	METALS-TAL-S	SOIL	SOIL	SW846	16536		0
AC66917-008	1	SMP	17:18	32	METALS-TAL-S	SOIL	SOIL	SW846	16536		0
AC66917-012	1	SMP	17:22	33	METALS-TAL-S	SOIL	AQUEO	SW846	16536		0
AC66911-001	1	SMP	17:25	34	METALS-TAL-S	SOIL	AQUEO	SW846	16536		0
AC66911-006	1	SMP	17:28	35	METALS-TAL-S	SOIL	SOIL	SW846	16536		0
CCV V-144703	1	CCV	17:33	36							V-144703(CCV)
CCB V-143551	1	CCB	17:36	37							V-143551(ICB/CCB)
AC66911-007	1	NA	17:40	38	METALS-TAL-S	SOIL	SOIL	SW846	16536	NOT reported - relatively high RSD	0
AC66911-008	1	SMP	17:44	39	METALS-TAL-S	SOIL	SOIL	SW846	16536		0
AC66911-009	1	SMP	17:49	40	METALS-TAL-S	SOIL	SOIL	SW846	16536		0
MB FB (1)	1	MB	17:53	41		SOIL	AQUEO	SW846	16536		0
LCSW	1	LCS	17:56	42		SOIL	AQUEO	SW846	16536		0
AC66911-007	1	NA	18:00	43	METALS-TAL-S	SOIL	SOIL	SW846	16536	NOT reported - relatively high RSD	0
AC66911-007	1	SMP	18:04	44	METALS-TAL-S	SOIL	SOIL	SW846	16536	Reported - better RSD	0
ICSA V-143744	1	ICSA	18:09	45							V-143744(ICSA)
ICSAB V-143745	1	ICSAB	18:13	46							V-143745(ICSAB)
CCV V-144703	1	CCV	18:18	47							V-144703(CCV)
CCB V-143551	1	CCB	18:21	48							V-143551(ICB/CCB)

Comments/Reviewedby:

olufemi
192.168.1.89 7/6/2012 8:14:49 PM

RUN IS OK
TI reported

7/9/12

Standard/Batch/SnCl2 Lot #:

Run Log

Data File: W:\METALS.FRM\ICPDATA\New\HGCV1A\H14114S.txt

Analysis Date: 07/13/12

Instrument: HGCV1A

Sample Id	DF	Qc Type	Time	Run #	Test Group	Rept Limit Matrix	Qc Matrix	Anal Method	Prep Batch	Comments:	Stds:
Calibration Blank	1	CAL	14:24	1							0
.2 PPB	1	CAL	14:25	2							0
.5 PPB	1	CAL	14:27	3							0
1 PPB	1	CAL	14:28	4							0
2 PPB	1	CAL	14:30	5							0
5 PPB	1	CAL	14:32	6							0
10 PPB	1	CAL	14:33	7							0
25 PPB	1	CAL	14:35	8							0
ICV (2)	1	ICV	14:36	9							0
ICB	1	ICB	14:38	10							0
MB 16530 (167)	1	MB	14:39	11	HG-SOIL	SOIL	SOIL	SW846	16530		0
LCS 16530	1	LCS	14:41	12	HG-SOIL	SOIL	SOIL	SW846	16530		0
LCS MR 16530	1	LCS	14:42	13	HG-SOIL	SOIL	SOIL	SW846	16530		0
AC66869-003	1	SMP	14:44	14	HG-SOIL	SOIL	SOIL	SW846	16530		0
AC66869-003	1	MR	14:45	15	HG-SOIL	SOIL	SOIL	SW846	16530		0
AC66869-003	1	MS	14:47	16	HG-SOIL	SOIL	SOIL	SW846	16530		0
AC66869-003	1	MSD	14:48	17	HG-SOIL	SOIL	SOIL	SW846	16530		0
AC66859-001	1	SMP	14:50	18	HG-SOIL	SOIL	SOIL	SW846	16530		0
AC66859-002	1	SMP	14:51	19	HG-SOIL	SOIL	SOIL	SW846	16530		0
AC66859-003	1	SMP	14:53	20	HG-SOIL	SOIL	SOIL	SW846	16530		0
CCV	1	CCV	14:55	21							0
CCB	1	CCB	14:56	22							0
AC66859-004	1	SMP	14:58	23	HG-SOIL	SOIL	SOIL	SW846	16530		0
AC66859-005	1	SMP	14:59	24	HG-SOIL	SOIL	SOIL	SW846	16530		0
AC66859-006	1	NA	15:01	25	HG-SOIL	SOIL	SOIL	SW846	16530	CONCENTRATION GREATER THAN HIGHEST STANDARD	0
AC66859-007	1	SMP	15:03	26	HG-SOIL	SOIL	SOIL	SW846	16530		0
AC66869-001	1	SMP	15:04	27	HG-SOIL	SOIL	SOIL	SW846	16530		0
AC66869-002	1	SMP	15:06	28	HG-SOIL	SOIL	SOIL	SW846	16530		0
AC66869-004	1	SMP	15:07	29	HG-SOIL	SOIL	SOIL	SW846	16530		0
AC66869-005	1	SMP	15:09	30	HG-SOIL	SOIL	SOIL	SW846	16530		0
AC66869-006	1	SMP	15:10	31	HG-SOIL	SOIL	SOIL	SW846	16530		0
AC66869-008	1	SMP	15:12	32	HG-SOIL	SOIL	SOIL	SW846	16530		0
CCV	1	CCV	15:13	33							0
CCB	1	CCB	15:15	34							0
AC66838-001	1	SMP	15:16	35	HG-SOIL	SOIL	SOIL	SW846	16530		0
AC66702-009	1	SMP	15:18	36	HG-SOIL	SOIL	SOIL	SW846	16530		0
AC66702-016	1	SMP	15:20	37	HG-SOIL	SOIL	SOIL	SW846	16530		0
CCV	1	CCV	15:21	38							0
CCB	1	CCB	15:23	39							0

Comments/Reviewedby:

carmela
192.168.1.89 7/13/2012 4:13:04 PM

OK

7/19/12

Standard/Batch/SnCl2 Lot #:

V-145617

Run Log

Data File: W:\METALS.FRM\ICPDATA\New\HGCV1A\H14119S.txt

Analysis Date: 07/09/12

Instrument: HGCV1A

Sample Id	DF	Qc Type	Time	Run #	Test Group	Rept Limit Matrix	Qc Matrix	Anal Method	Prep Batch	Comments:	Stds:
Calibration Blank	1	CAL	15:35	1							0
.2 PPB	1	CAL	15:37	2							0
.5 PPB	1	CAL	15:38	3							0
1 PPB	1	CAL	15:40	4							0
2 PPB	1	CAL	15:41	5							0
5 PPB	1	CAL	15:43	6							0
10 PPB	1	CAL	15:44	7							0
25 PPB	1	CAL	15:46	8							0
ICV (2)	1	ICV	15:48	9							0
ICB	1	ICB	15:49	10							0
MB 16536 (167)	1	MB	15:51	11	HG-SOIL	SOIL	SOIL	SW846	16536		0
LCS 16536	1	LCS	15:52	12	HG-SOIL	SOIL	SOIL	SW846	16536		0
LCS MR 16536	1	LCS	15:54	13	HG-SOIL	SOIL	SOIL	SW846	16536		0
AC66916-002	1	SMP	15:55	14	HG-SOIL	SOIL	SOIL	SW846	16536		0
AC66916-002	1	MR	15:57	15	HG-SOIL	SOIL	SOIL	SW846	16536		0
AC66916-002	1	MS	15:58	16	HG-SOIL	SOIL	SOIL	SW846	16536		0
AC66916-002	1	MSD	16:00	17	HG-SOIL	SOIL	SOIL	SW846	16536		0
AC66856-002	1	SMP	16:01	18	HG-SOIL	SOIL	AQUEO	SW846	16536		0
AC66856-008	1	SMP	16:03	19	HG-SOIL	SOIL	SOIL	SW846	16536		0
AC66856-009	1	SMP	16:04	20	HG-SOIL	SOIL	SOIL	SW846	16536		0
CCV	1	CCV	16:06	21							0
CCB	1	CCB	16:07	22							0
AC66869-007	1	SMP	16:09	23	HG-SOIL	SOIL	SOIL	SW846	16536		0
AC66917-001	1	SMP	16:11	24	HG-SOIL	SOIL	SOIL	SW846	16536		0
AC66917-002	1	SMP	16:12	25	HG-SOIL	SOIL	SOIL	SW846	16536		0
AC66917-008	1	SMP	16:14	26	HG-SOIL	SOIL	SOIL	SW846	16536		0
AC66917-012	1	SMP	16:15	27	HG-W-7470	SOIL	AQUEO	SW846	16536		0
AC66911-001	1	SMP	16:17	28	HG-W-7470	SOIL	AQUEO	SW846	16536		0
AC66911-006	1	SMP	16:18	29	HG-SOIL	SOIL	SOIL	SW846	16536		0
AC66911-007	1	SMP	16:20	30	HG-SOIL	SOIL	SOIL	SW846	16536		0
AC66911-008	1	SMP	16:21	31	HG-SOIL	SOIL	SOIL	SW846	16536		0
AC66911-009	1	SMP	16:23	32	HG-SOIL	SOIL	SOIL	SW846	16536		0
CCV	1	CCV	16:24	33							0
CCB	1	CCB	16:26	34							0
MB FB 16536	1	MB	16:27	35	HG-SOIL	SOIL	AQUEO	SW846	16536		0
LCSW 16536	1	LCS	16:29	36	HG-SOIL	SOIL	AQUEO	SW846	16536		0
CCV	1	CCV	16:30	37							0
CCB	1	CCB	16:32	38							0

Comments/Reviewedby:

carmela
192.168.1.89 7/9/2012 4:47:55 PM

OK

8 7/12/12

Standard/Batch/SnCl2 Lot #:

V-145213

Wet Chemistry Data

VERITECH Wet Chem Form1 Analysis Summary
% Solids

TestGroupName: % Solids SM2540G **Project #: 2070213**

TestGroup: %SOLIDS

Lab#	Client SampleID	Matrix	Dilution:	Result	Units:	RL	Prep Date	Analysis Date	Received Date	Collect Date
AC66869-001	RI-B1-A	Soil	1	90	Percent			07/03/12	07/02/12	06/28/12
AC66869-002	RI-B1-B	Soil	1	88	Percent			07/03/12	07/02/12	06/28/12
AC66869-003	RI-B2-A	Soil	1	91	Percent			07/03/12	07/02/12	06/28/12
AC66869-004	RI-B2-B	Soil	1	94	Percent			07/03/12	07/02/12	06/28/12
AC66869-005	RI-B3-A	Soil	1	92	Percent			07/03/12	07/02/12	06/28/12
AC66869-006	RI-B3-B	Soil	1	90	Percent			07/03/12	07/02/12	06/28/12
AC66869-007	RI-B2-C	Soil	1	94	Percent			07/03/12	07/02/12	06/28/12
AC66869-008	RI-B3-A (DUP)	Soil	1	91	Percent			07/03/12	07/02/12	06/28/12

% Solids Report

Analysis Type: SOLIDS-SS
BatchID: SOLIDS-SS-941

QcType	SampleID:	Rounded Result	Raw Result	Units	Tare Weight	Wet Weight	Dry Weight	Analysis Date	Analyzed By	QC RPD	Rpd Limit
DUP	AC66854-001	86	86.08949	Percent	1.06	11.34	9.89	07/03/12	JANEE	0	5
Sample	AC66820-001	91	90.50568	Percent	1.05	10.74	9.81	07/03/12	JANEE		
Sample	AC66820-002	87	86.91149	Percent	1.04	11.66	10.25	07/03/12	JANEE		
Sample	AC66829-001	85	85.37906	Percent	1.06	12.14	10.50	07/03/12	JANEE		
Sample	AC66854-001	86	86.08949	Percent	1.06	11.34	9.89	07/03/12	JANEE		
Sample	AC66854-002	90	89.55224	Percent	1.05	11.77	10.64	07/03/12	JANEE		
Sample	AC66854-003	85	84.83034	Percent	1.06	11.08	9.55	07/03/12	JANEE		
Sample	AC66859-005	39	38.91444	Percent	1.03	11.90	5.24	07/03/12	JANEE		
Sample	AC66859-006	43	42.98332	Percent	1.05	11.24	5.41	07/03/12	JANEE		
Sample	AC66859-007	55	55.33439	Percent	1.06	13.62	7.99	07/03/12	JANEE		
Sample	AC66863-001	76	76.18605	Percent	1.05	11.80	9.25	07/03/12	JANEE		
Sample	AC66863-002	76	75.89833	Percent	1.06	12.47	9.72	07/03/12	JANEE		
Sample	AC66866-001	91	91.09091	Percent	1.06	12.06	11.07	07/03/12	JANEE		
Sample	AC66868-001	92	91.94107	Percent	1.06	12.60	11.66	07/03/12	JANEE		
Sample	AC66869-001	90	89.54774	Percent	1.06	11.01	9.96	07/03/12	JANEE		
Sample	AC66869-002	88	87.65670	Percent	1.06	11.43	10.12	07/03/12	JANEE		
Sample	AC66869-003	91	90.51095	Percent	1.05	10.64	9.70	07/03/12	JANEE		
Sample	AC66869-004	94	94.25287	Percent	1.03	11.47	10.87	07/03/12	JANEE		
Sample	AC66869-005	92	91.79537	Percent	1.04	11.40	10.54	07/03/12	JANEE		
Sample	AC66869-006	90	90.03021	Percent	1.04	10.97	9.97	07/03/12	JANEE		
Sample	AC66869-008	91	90.85873	Percent	1.06	11.89	10.88	07/03/12	JANEE		

* - Indicates Failed Rpd Criteria

% Solids Report

Analysis Type: SOLIDS-SS
BatchID: SOLIDS-SS-942

QcType	SampleID:	Rounded Result	Raw Result	Units	Tare Weight	Wet Weight	Dry Weight	Analysis Date	Analyzed By	QC RPD	Rpd Limit
DUP	AC66869-007	94	93.51852	Percent	1.07	11.87	11.16	07/03/12	JANEE	0.39	5
Sample	AC65914-015	85	84.72486	Percent	1.06	11.60	9.99	07/03/12	JANEE		
Sample	AC66869-007	94	93.88145	Percent	1.05	11.51	10.86	07/03/12	JANEE		

* - Indicates Failed Rpd Criteria

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Last Page of Report

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800-426-9992 · 973-244-9770
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WWW.HCVLAB.COM

Project: EJ1111829.002

Client PO: Not Available

Report To: Whitestone Associates
35 Technology Drive
Warren, NJ 07059

Attn: Patrick Beesley

Received Date: 7/18/2012

Report Date: 8/13/2012

Deliverables: NYDOH-R

Lab ID: AC67152

Lab Project No: 2071832

This report is a true report of results obtained from our tests of this material. The report relates only to those samples received and analyzed by the laboratory. All results meet the requirements of the NELAC Institute standards. Laboratory reports may not be reproduced, except in full, without the written approval of the laboratory.

In lieu of a formal contract document, the total aggregate liability of Veritech to all parties shall not exceed Veritech's total fee for analytical services rendered.

Robin Cousineau - Quality Assurance Director OR **Stanley Gilewicz - Laboratory Director**

NJ	(07071)	NY	(ELAP11408)	CT	(PH-0671)	USACE	
PA	(68-00463)	KY	(90124)				

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Form 1 Sample and Blank Results

Form 2 Surrogate Recovery

Form 3 Spike Recovery

Form 4 Method Blank Summary

Form 5 Run Logs & RT Shift Summary

Form 6, 7 Calibration Summary

Metal Data **332**

Form 1 Sample Results

Form 2 Calibration Summary

Form 3 Blank Summary

Form 4 ICP Interference Check Sample Summary

Form 5/7 Spike / LCS Recovery Data

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Wet Chemistry Data **365**

Form 1 Sample Results

Inorganic Spreadsheet / QC Summary

Inorganic Raw Data

Sample Summary

Client: Whitestone Associates

Project: EJ1111829.002

HCV Project #: 2071832

Lab#	SampleID	Matrix	Collection Date	Receipt Date
AC67152-001	MW-1 A	Soil	7/16/2012	7/18/2012
AC67152-002	MW-2 A	Soil	7/16/2012	7/18/2012
AC67152-003	MW-3 A	Soil	7/17/2012	7/18/2012
AC67152-004	MW-4 A	Soil	7/17/2012	7/18/2012
AC67152-005	MW-1 B	Soil	7/16/2012	7/18/2012
AC67152-006	MW-2 B	Soil	7/16/2012	7/18/2012
AC67152-007	MW-3 B	Soil	7/17/2012	7/18/2012
AC67152-008	MW-4 B	Soil	7/17/2012	7/18/2012
AC67152-009	MW-4A (DUP)	Soil	7/17/2012	7/18/2012

HCV Case Narrative

Client: Whitestone Associates
Project: EJ1111829.002

HCV Project: 2071832

This case narrative is in the form of an exception report. Method specific and/or QA/QC anomalies related to this report only are detailed below.

Volatile Organic Analysis:

Methylene chloride was recovered in samples AC67152-001, 002 and 003 suggesting laboratory contamination.

Base Neutral/Acid Extractable Analysis:

Samples AC67152-001, AC67229-001 and AC67229-001 MS had one or more surrogates outside QC limits.

PCB Analysis:

Data conforms to method requirements.

Pesticide Analysis:

The Matrix Spike for batch 14953 had recoveries outside QC limits. However, since the associated Method Blank and Laboratory Control Sample were within control, no corrective action was necessary.

The Matrix Spike and MS/MS DRPD for batch 14967 had recoveries outside QC limits. However, since the associated Method Blank and Laboratory Control Sample were within control, no corrective action was necessary.

Metals Analysis:

The Matrix Spike and/or Matrix Spike Duplicate for batch 16584 had recoveries outside QC limits. However, since the associated Method Blank and Laboratory Control Sample were within control, no corrective action was necessary. In addition the MS/MSD RPD is outside QC limits. The RPD criteria were met between the LCS/LCS Method Replicate. The serial dilution is also outside QC limits, suggesting matrix interference.

Robin Cousineau
Quality Assurance Director

Or

Stanley Gilewicz
Laboratory Director

8/13/2012
Date

HCV Executive Summary

Client: Whitestone Associates

HCV Project #: 2071832

Project: EJ1111829.002

Lab#: AC67152-001 **Sample ID: MW-1 A**

Analyte	Units	RL	Result	Analytical Method
Aluminum	mg/kg	220	15000	EPA 6010B
Antimony	mg/kg	2.2	2.4	EPA 6010B
Barium	mg/kg	11	230	EPA 6010B
Calcium	mg/kg	1100	2000	EPA 6010B
Chromium	mg/kg	5.4	42	EPA 6010B
Cobalt	mg/kg	2.7	13	EPA 6010B
Copper	mg/kg	5.4	36	EPA 6010B
Iron	mg/kg	220	26000	EPA 6010B
Lead	mg/kg	5.4	38	EPA 6010B
Magnesium	mg/kg	540	7500	EPA 6010B
Manganese	mg/kg	11	290	EPA 6010B
Nickel	mg/kg	5.4	28	EPA 6010B
Potassium	mg/kg	540	9500	EPA 6010B
Sodium	mg/kg	270	310	EPA 6010B
Vanadium	mg/kg	11	48	EPA 6010B
Zinc	mg/kg	11	99	EPA 6010B
Mercury	mg/kg	0.090	1.0	EPA 7471A
Methylene chloride	mg/kg	0.0021	0.0024	EPA 8260B
Benzo[a]anthracene	mg/kg	0.036	0.088	EPA 8270C
Benzo[a]pyrene	mg/kg	0.036	0.074	EPA 8270C
Benzo[b]fluoranthene	mg/kg	0.036	0.10	EPA 8270C
Benzo[g,h,i]perylene	mg/kg	0.036	0.065	EPA 8270C
Benzo[k]fluoranthene	mg/kg	0.036	0.044	EPA 8270C
Chrysene	mg/kg	0.036	0.091	EPA 8270C
Fluoranthene	mg/kg	0.036	0.13	EPA 8270C
Indeno[1,2,3-cd]pyrene	mg/kg	0.036	0.051	EPA 8270C
Phenanthrene	mg/kg	0.036	0.067	EPA 8270C
Pyrene	mg/kg	0.036	0.14	EPA 8270C

HCV Executive Summary

Client: Whitestone Associates **HCV Project #:** 2071832

Project: EJ1111829.002

Lab#: AC67152-002 **Sample ID: MW-2 A**

Analyte	Units	RL	Result	Analytical Method
Aluminum	mg/kg	220	13000	EPA 6010B
Barium	mg/kg	11	180	EPA 6010B
Calcium	mg/kg	1100	3300	EPA 6010B
Chromium	mg/kg	5.4	35	EPA 6010B
Cobalt	mg/kg	2.7	11	EPA 6010B
Copper	mg/kg	5.4	73	EPA 6010B
Iron	mg/kg	220	23000	EPA 6010B
Lead	mg/kg	5.4	64	EPA 6010B
Magnesium	mg/kg	540	6500	EPA 6010B
Manganese	mg/kg	11	290	EPA 6010B
Nickel	mg/kg	5.4	25	EPA 6010B
Potassium	mg/kg	540	6900	EPA 6010B
Vanadium	mg/kg	11	40	EPA 6010B
Zinc	mg/kg	11	110	EPA 6010B
p,p'-DDD	mg/kg	0.0027	0.0036d	EPA 8081A
1,2,4-Trimethylbenzene	mg/kg	0.0011	0.064	EPA 8260B
1,3,5-Trimethylbenzene	mg/kg	0.0011	0.036	EPA 8260B
4-Isopropyltoluene	mg/kg	0.0011	0.027	EPA 8260B
cis-1,2-Dichloroethene	mg/kg	0.0021	0.0037	EPA 8260B
Ethylbenzene	mg/kg	0.0011	0.016	EPA 8260B
m&p-Xylenes	mg/kg	0.0011	0.098	EPA 8260B
Methylene chloride	mg/kg	0.0021	0.0023	EPA 8260B
n-Propylbenzene	mg/kg	0.0011	0.0040	EPA 8260B
o-Xylene	mg/kg	0.0011	0.082	EPA 8260B
t-Butyl Alcohol	mg/kg	0.011	0.033	EPA 8260B
Tetrachloroethene	mg/kg	0.0021	0.0044	EPA 8260B
Toluene	mg/kg	0.0011	0.0011	EPA 8260B
Trichloroethene	mg/kg	0.0021	0.0027	EPA 8260B
Xylenes (Total)	mg/kg	0.0011	0.18	EPA 8260B
Anthracene	mg/kg	0.22	0.32	EPA 8270C
Benzo[a]anthracene	mg/kg	0.22	0.95	EPA 8270C
Benzo[a]pyrene	mg/kg	0.22	0.87	EPA 8270C
Benzo[b]fluoranthene	mg/kg	0.22	1.2	EPA 8270C
Benzo[g,h,i]perylene	mg/kg	0.22	0.75	EPA 8270C
Benzo[k]fluoranthene	mg/kg	0.22	0.40	EPA 8270C
bis(2-Ethylhexyl)phthalate	mg/kg	0.22	0.36	EPA 8270C
Chrysene	mg/kg	0.22	1.0	EPA 8270C
Dibenzo[a,h]anthracene	mg/kg	0.22	0.23	EPA 8270C
Fluoranthene	mg/kg	0.22	1.6	EPA 8270C
Indeno[1,2,3-cd]pyrene	mg/kg	0.22	0.63	EPA 8270C
Phenanthrene	mg/kg	0.22	1.2	EPA 8270C
Pyrene	mg/kg	0.22	1.7	EPA 8270C

HCV Executive Summary

Client: Whitestone Associates **HCV Project #:** 2071832

Project: EJ1111829.002

Lab#: AC67152-003 **Sample ID: MW-3 A**

Analyte	Units	RL	Result	Analytical Method
Aluminum	mg/kg	220	15000	EPA 6010B
Barium	mg/kg	11	110	EPA 6010B
Calcium	mg/kg	1100	2500	EPA 6010B
Chromium	mg/kg	5.6	43	EPA 6010B
Cobalt	mg/kg	2.8	10	EPA 6010B
Copper	mg/kg	5.6	30	EPA 6010B
Iron	mg/kg	220	23000	EPA 6010B
Lead	mg/kg	5.6	42	EPA 6010B
Magnesium	mg/kg	560	4700	EPA 6010B
Manganese	mg/kg	11	390	EPA 6010B
Nickel	mg/kg	5.6	23	EPA 6010B
Potassium	mg/kg	560	3100	EPA 6010B
Vanadium	mg/kg	11	37	EPA 6010B
Zinc	mg/kg	11	60	EPA 6010B
Chlordane	mg/kg	0.028	0.29	EPA 8081A
Methylene chloride	mg/kg	0.0022	0.0026	EPA 8260B
Benzo[b]fluoranthene	mg/kg	0.037	0.043	EPA 8270C
Fluoranthene	mg/kg	0.037	0.043	EPA 8270C
Pyrene	mg/kg	0.037	0.048	EPA 8270C

Lab#: AC67152-004 **Sample ID: MW-4 A**

Analyte	Units	RL	Result	Analytical Method
Aluminum	mg/kg	220	19000	EPA 6010B
Barium	mg/kg	11	320	EPA 6010B
Calcium	mg/kg	1100	2100	EPA 6010B
Chromium	mg/kg	5.6	46	EPA 6010B
Cobalt	mg/kg	2.8	17	EPA 6010B
Copper	mg/kg	5.6	27	EPA 6010B
Iron	mg/kg	220	33000	EPA 6010B
Lead	mg/kg	5.6	6.3	EPA 6010B
Magnesium	mg/kg	560	9300	EPA 6010B
Manganese	mg/kg	11	430	EPA 6010B
Nickel	mg/kg	5.6	33	EPA 6010B
Potassium	mg/kg	560	12000	EPA 6010B
Vanadium	mg/kg	11	57	EPA 6010B
Zinc	mg/kg	11	80	EPA 6010B

HCV Executive Summary

Client: Whitestone Associates **HCV Project #:** 2071832

Project: EJ1111829.002

Lab#: AC67152-005 **Sample ID: MW-1 B**

Analyte	Units	RL	Result	Analytical Method
Aluminum	mg/kg	250	14000	EPA 6010B
Arsenic	mg/kg	2.5	5.8	EPA 6010B
Barium	mg/kg	13	350	EPA 6010B
Cadmium	mg/kg	0.76	0.82	EPA 6010B
Calcium	mg/kg	1300	3500	EPA 6010B
Chromium	mg/kg	6.3	48	EPA 6010B
Cobalt	mg/kg	3.2	11	EPA 6010B
Copper	mg/kg	6.3	80	EPA 6010B
Iron	mg/kg	250	30000	EPA 6010B
Lead	mg/kg	6.3	360	EPA 6010B
Magnesium	mg/kg	630	5600	EPA 6010B
Manganese	mg/kg	13	270	EPA 6010B
Nickel	mg/kg	6.3	26	EPA 6010B
Potassium	mg/kg	630	4900	EPA 6010B
Sodium	mg/kg	320	340	EPA 6010B
Vanadium	mg/kg	13	50	EPA 6010B
Zinc	mg/kg	13	320	EPA 6010B
Mercury	mg/kg	0.11	1.7	EPA 7471A
t-Butyl Alcohol	mg/kg	0.012	0.032	EPA 8260B
Trichloroethene	mg/kg	0.0025	0.0034	EPA 8260B
3&4-Methylphenol	mg/kg	0.011	0.085	EPA 8270C
Acenaphthylene	mg/kg	0.042	0.063	EPA 8270C
Anthracene	mg/kg	0.042	0.073	EPA 8270C
Benzo[a]anthracene	mg/kg	0.042	0.33	EPA 8270C
Benzo[a]pyrene	mg/kg	0.042	0.29	EPA 8270C
Benzo[b]fluoranthene	mg/kg	0.042	0.42	EPA 8270C
Benzo[g,h,i]perylene	mg/kg	0.042	0.21	EPA 8270C
Benzo[k]fluoranthene	mg/kg	0.042	0.15	EPA 8270C
bis(2-Ethylhexyl)phthalate	mg/kg	0.042	0.053	EPA 8270C
Chrysene	mg/kg	0.042	0.36	EPA 8270C
Dibenzo[a,h]anthracene	mg/kg	0.042	0.065	EPA 8270C
Di-n-butylphthalate	mg/kg	0.021	0.035	EPA 8270C
Fluoranthene	mg/kg	0.042	0.49	EPA 8270C
Indeno[1,2,3-cd]pyrene	mg/kg	0.042	0.20	EPA 8270C
Naphthalene	mg/kg	0.011	0.030	EPA 8270C
Phenanthrene	mg/kg	0.042	0.23	EPA 8270C
Pyrene	mg/kg	0.042	0.55	EPA 8270C

HCV Executive Summary

Client: Whitestone Associates **HCV Project #:** 2071832

Project: EJ1111829.002

Lab#: AC67152-006 **Sample ID: MW-2 B**

Analyte	Units	RL	Result	Analytical Method
Aluminum	mg/kg	210	16000	EPA 6010B
Antimony	mg/kg	2.1	2.6	EPA 6010B
Barium	mg/kg	10	310	EPA 6010B
Calcium	mg/kg	1000	1700	EPA 6010B
Chromium	mg/kg	5.2	43	EPA 6010B
Cobalt	mg/kg	2.6	12	EPA 6010B
Copper	mg/kg	5.2	69	EPA 6010B
Iron	mg/kg	210	31000	EPA 6010B
Lead	mg/kg	5.2	17	EPA 6010B
Magnesium	mg/kg	520	7700	EPA 6010B
Manganese	mg/kg	10	350	EPA 6010B
Nickel	mg/kg	5.2	27	EPA 6010B
Potassium	mg/kg	520	11000	EPA 6010B
Vanadium	mg/kg	10	49	EPA 6010B
Zinc	mg/kg	10	91	EPA 6010B
t-Butyl Alcohol	mg/kg	0.010	0.013	EPA 8260B
Tetrachloroethene	mg/kg	0.0021	0.0043	EPA 8260B
Trichloroethene	mg/kg	0.0021	0.0090	EPA 8260B
Benzo[a]anthracene	mg/kg	0.035	0.066	EPA 8270C
Benzo[a]pyrene	mg/kg	0.035	0.066	EPA 8270C
Benzo[b]fluoranthene	mg/kg	0.035	0.099	EPA 8270C
Benzo[g,h,i]perylene	mg/kg	0.035	0.065	EPA 8270C
bis(2-Ethylhexyl)phthalate	mg/kg	0.035	0.045	EPA 8270C
Chrysene	mg/kg	0.035	0.085	EPA 8270C
Fluoranthene	mg/kg	0.035	0.099	EPA 8270C
Indeno[1,2,3-cd]pyrene	mg/kg	0.035	0.053	EPA 8270C
Phenanthrene	mg/kg	0.035	0.053	EPA 8270C
Pyrene	mg/kg	0.035	0.12	EPA 8270C

Lab#: AC67152-007 **Sample ID: MW-3 B**

Analyte	Units	RL	Result	Analytical Method
Aluminum	mg/kg	220	13000	EPA 6010B
Barium	mg/kg	11	130	EPA 6010B
Calcium	mg/kg	1100	2000	EPA 6010B
Chromium	mg/kg	5.4	48	EPA 6010B
Cobalt	mg/kg	2.7	11	EPA 6010B
Copper	mg/kg	5.4	30	EPA 6010B
Iron	mg/kg	220	22000	EPA 6010B
Lead	mg/kg	5.4	16	EPA 6010B
Magnesium	mg/kg	540	4600	EPA 6010B
Manganese	mg/kg	11	520	EPA 6010B
Nickel	mg/kg	5.4	26	EPA 6010B
Potassium	mg/kg	540	3900	EPA 6010B
Vanadium	mg/kg	11	36	EPA 6010B
Zinc	mg/kg	11	67	EPA 6010B
Chlordane	mg/kg	0.027	0.053	EPA 8081A
t-Butyl Alcohol	mg/kg	0.011	0.015	EPA 8260B

HCV Executive Summary

Client: Whitestone Associates **HCV Project #:** 2071832

Project: EJ1111829.002

Lab#: AC67152-008 **Sample ID: MW-4 B**

Analyte	Units	RL	Result	Analytical Method
Aluminum	mg/kg	220	19000	EPA 6010B
Barium	mg/kg	11	240	EPA 6010B
Calcium	mg/kg	1100	1800	EPA 6010B
Chromium	mg/kg	5.5	49	EPA 6010B
Cobalt	mg/kg	2.7	16	EPA 6010B
Copper	mg/kg	5.5	28	EPA 6010B
Iron	mg/kg	220	35000	EPA 6010B
Lead	mg/kg	5.5	8.2	EPA 6010B
Magnesium	mg/kg	550	9100	EPA 6010B
Manganese	mg/kg	11	490	EPA 6010B
Nickel	mg/kg	5.5	34	EPA 6010B
Potassium	mg/kg	550	9600	EPA 6010B
Sodium	mg/kg	270	280	EPA 6010B
Vanadium	mg/kg	11	53	EPA 6010B
Zinc	mg/kg	11	85	EPA 6010B
t-Butyl Alcohol	mg/kg	0.011	0.015	EPA 8260B

Lab#: AC67152-009 **Sample ID: MW-4A (DUP)**

Analyte	Units	RL	Result	Analytical Method
Aluminum	mg/kg	220	18000	EPA 6010B
Barium	mg/kg	11	280	EPA 6010B
Calcium	mg/kg	1100	2000	EPA 6010B
Chromium	mg/kg	5.5	48	EPA 6010B
Cobalt	mg/kg	2.7	15	EPA 6010B
Copper	mg/kg	5.5	29	EPA 6010B
Iron	mg/kg	220	32000	EPA 6010B
Lead	mg/kg	5.5	7.6	EPA 6010B
Magnesium	mg/kg	550	8700	EPA 6010B
Manganese	mg/kg	11	460	EPA 6010B
Nickel	mg/kg	5.5	32	EPA 6010B
Potassium	mg/kg	550	11000	EPA 6010B
Vanadium	mg/kg	11	54	EPA 6010B
Zinc	mg/kg	11	75	EPA 6010B
t-Butyl Alcohol	mg/kg	0.011	0.015	EPA 8260B

HCV Report Of Analysis

Client: Whitestone Associates
Project: EJ1111829.002

HCV Project #: 2071832

Sample ID: MW-1 A
Lab#: AC67152-001
Matrix: Soil

Collection Date: 7/16/2012
Receipt Date: 7/18/2012

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		93

Mercury (Soil/Waste) 7471A

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.090	1.0

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
Aldrin	1	mg/kg	0.0054	ND
Alpha-BHC	1	mg/kg	0.0011	ND
beta-BHC	1	mg/kg	0.0011	ND
Chlordane	1	mg/kg	0.027	ND
delta-BHC	1	mg/kg	0.0054	ND
Dieldrin	1	mg/kg	0.0011	ND
Endosulfan I	1	mg/kg	0.0054	ND
Endosulfan II	1	mg/kg	0.0054	ND
Endosulfan Sulfate	1	mg/kg	0.0054	ND
Endrin	1	mg/kg	0.0054	ND
Endrin Aldehyde	1	mg/kg	0.0054	ND
Endrin Ketone	1	mg/kg	0.0054	ND
gamma-BHC	1	mg/kg	0.0011	ND
Heptachlor	1	mg/kg	0.0054	ND
Heptachlor Epoxide	1	mg/kg	0.0054	ND
Methoxychlor	1	mg/kg	0.0054	ND
p,p'-DDD	1	mg/kg	0.0027	ND
p,p'-DDE	1	mg/kg	0.0027	ND
p,p'-DDT	1	mg/kg	0.0027	ND
Toxaphene	1	mg/kg	0.027	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.027	ND
Aroclor-1016	1	mg/kg	0.027	ND
Aroclor-1221	1	mg/kg	0.027	ND
Aroclor-1232	1	mg/kg	0.027	ND
Aroclor-1242	1	mg/kg	0.027	ND
Aroclor-1248	1	mg/kg	0.027	ND
Aroclor-1254	1	mg/kg	0.027	ND
Aroclor-1260	1	mg/kg	0.027	ND
Aroclor-1262	1	mg/kg	0.027	ND
Aroclor-1268	1	mg/kg	0.027	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,2-Diphenylhydrazine	1	mg/kg	0.036	ND
2,4,5-Trichlorophenol	1	mg/kg	0.036	ND
2,4,6-Trichlorophenol	1	mg/kg	0.036	ND
2,4-Dichlorophenol	1	mg/kg	0.0090	ND
2,4-Dimethylphenol	1	mg/kg	0.036	ND

Sample ID: MW-1 A
Lab#: AC67152-001
Matrix: Soil

Collection Date: 7/16/2012
Receipt Date: 7/18/2012

2,4-Dinitrophenol	1	mg/kg	0.18	ND
2,4-Dinitrotoluene	1	mg/kg	0.036	ND
2,6-Dinitrotoluene	1	mg/kg	0.036	ND
2-Chloronaphthalene	1	mg/kg	0.036	ND
2-Chlorophenol	1	mg/kg	0.036	ND
2-Methylnaphthalene	1	mg/kg	0.036	ND
2-Methylphenol	1	mg/kg	0.0090	ND
2-Nitroaniline	1	mg/kg	0.036	ND
2-Nitrophenol	1	mg/kg	0.036	ND
3&4-Methylphenol	1	mg/kg	0.0090	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.036	ND
3-Nitroaniline	1	mg/kg	0.036	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.18	ND
4-Bromophenyl-phenylether	1	mg/kg	0.036	ND
4-Chloro-3-methylphenol	1	mg/kg	0.036	ND
4-Chloroaniline	1	mg/kg	0.017	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.036	ND
4-Nitroaniline	1	mg/kg	0.036	ND
4-Nitrophenol	1	mg/kg	0.036	ND
Acenaphthene	1	mg/kg	0.036	ND
Acenaphthylene	1	mg/kg	0.036	ND
Aniline	1	mg/kg	0.015	ND
Anthracene	1	mg/kg	0.036	ND
Benzidine	1	mg/kg	0.036	ND
Benzo[a]anthracene	**1**	**mg/kg**	**0.036**	**0.088**
Benzo[a]pyrene	**1**	**mg/kg**	**0.036**	**0.074**
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.036**	**0.10**
Benzo[g,h,i]perylene	**1**	**mg/kg**	**0.036**	**0.065**
Benzo[k]fluoranthene	**1**	**mg/kg**	**0.036**	**0.044**
Benzoic acid	1	mg/kg	0.18	ND
bis(2-Chloroethoxy)methane	1	mg/kg	0.036	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.0090	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.036	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.036	ND
Butylbenzylphthalate	1	mg/kg	0.036	ND
Carbazole	1	mg/kg	0.036	ND
Chrysene	**1**	**mg/kg**	**0.036**	**0.091**
Dibenzo[a,h]anthracene	1	mg/kg	0.036	ND
Dibenzofuran	1	mg/kg	0.0090	ND
Diethylphthalate	1	mg/kg	0.036	ND
Dimethylphthalate	1	mg/kg	0.036	ND
Di-n-butylphthalate	1	mg/kg	0.018	ND
Di-n-octylphthalate	1	mg/kg	0.036	ND
Fluoranthene	**1**	**mg/kg**	**0.036**	**0.13**
Fluorene	1	mg/kg	0.036	ND
Hexachlorobenzene	1	mg/kg	0.036	ND
Hexachlorobutadiene	1	mg/kg	0.036	ND
Hexachlorocyclopentadiene	1	mg/kg	0.036	ND
Hexachloroethane	1	mg/kg	0.036	ND
Indeno[1,2,3-cd]pyrene	**1**	**mg/kg**	**0.036**	**0.051**
Isophorone	1	mg/kg	0.036	ND
Naphthalene	1	mg/kg	0.0090	ND
Nitrobenzene	1	mg/kg	0.036	ND
N-Nitrosodimethylamine	1	mg/kg	0.036	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.0090	ND
N-Nitrosodiphenylamine	1	mg/kg	0.036	ND
Pentachlorophenol	1	mg/kg	0.060	ND

Sample ID: MW-1 A
Lab#: AC67152-001
Matrix: Soil

Collection Date: 7/16/2012
Receipt Date: 7/18/2012

Phenanthrene	**1**	**mg/kg**	**0.036**	**0.067**
Phenol	1	mg/kg	0.036	ND
Pyrene	**1**	**mg/kg**	**0.036**	**0.14**

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	**mg/kg**	**220**	**15000**
Antimony	**1**	**mg/kg**	**2.2**	**2.4**
Arsenic	1	mg/kg	2.2	ND
Barium	**1**	**mg/kg**	**11**	**230**
Beryllium	1	mg/kg	0.65	ND
Cadmium	1	mg/kg	0.65	ND
Calcium	**1**	**mg/kg**	**1100**	**2000**
Chromium	**1**	**mg/kg**	**5.4**	**42**
Cobalt	**1**	**mg/kg**	**2.7**	**13**
Copper	**1**	**mg/kg**	**5.4**	**36**
Iron	**1**	**mg/kg**	**220**	**26000**
Lead	**1**	**mg/kg**	**5.4**	**38**
Magnesium	**1**	**mg/kg**	**540**	**7500**
Manganese	**1**	**mg/kg**	**11**	**290**
Nickel	**1**	**mg/kg**	**5.4**	**28**
Potassium	**1**	**mg/kg**	**540**	**9500**
Selenium	1	mg/kg	1.9	ND
Silver	1	mg/kg	1.6	ND
Sodium	**1**	**mg/kg**	**270**	**310**
Thallium	1	mg/kg	1.3	ND
Vanadium	**1**	**mg/kg**	**11**	**48**
Zinc	**1**	**mg/kg**	**11**	**99**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.982	mg/kg	0.0021	ND
1,1,2,2-Tetrachloroethane	0.982	mg/kg	0.0021	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.982	mg/kg	0.0021	ND
1,1,2-Trichloroethane	0.982	mg/kg	0.0021	ND
1,1-Dichloroethane	0.982	mg/kg	0.0021	ND
1,1-Dichloroethene	0.982	mg/kg	0.0021	ND
1,2,3-Trichloropropane	0.982	mg/kg	0.0021	ND
1,2,4-Trimethylbenzene	0.982	mg/kg	0.0011	ND
1,2-Dichlorobenzene	0.982	mg/kg	0.0021	ND
1,2-Dichloroethane	0.982	mg/kg	0.0021	ND
1,2-Dichloropropane	0.982	mg/kg	0.0021	ND
1,3,5-Trimethylbenzene	0.982	mg/kg	0.0011	ND
1,3-Dichlorobenzene	0.982	mg/kg	0.0021	ND
1,3-Dichloropropane	0.982	mg/kg	0.0021	ND
1,4-Dichlorobenzene	0.982	mg/kg	0.0021	ND
1,4-Dioxane	0.982	mg/kg	0.11	ND
2-Butanone	0.982	mg/kg	0.0021	ND
2-Chloroethylvinylether	0.982	mg/kg	0.0021	ND
2-Hexanone	0.982	mg/kg	0.0021	ND
4-Isopropyltoluene	0.982	mg/kg	0.0011	ND
4-Methyl-2-pentanone	0.982	mg/kg	0.0021	ND
Acetone	0.982	mg/kg	0.011	ND
Acrolein	0.982	mg/kg	0.011	ND
Acrylonitrile	0.982	mg/kg	0.0053	ND
Benzene	0.982	mg/kg	0.0011	ND
Bromodichloromethane	0.982	mg/kg	0.0021	ND

Sample ID: MW-1 A **Collection Date: 7/16/2012**
Lab#: AC67152-001 **Receipt Date: 7/18/2012**
Matrix: Soil

Bromoform	0.982	mg/kg	0.0021	ND
Bromomethane	0.982	mg/kg	0.0021	ND
Carbon disulfide	0.982	mg/kg	0.0021	ND
Carbon tetrachloride	0.982	mg/kg	0.0021	ND
Chlorobenzene	0.982	mg/kg	0.0021	ND
Chloroethane	0.982	mg/kg	0.0021	ND
Chloroform	0.982	mg/kg	0.0021	ND
Chloromethane	0.982	mg/kg	0.0021	ND
cis-1,2-Dichloroethene	0.982	mg/kg	0.0021	ND
cis-1,3-Dichloropropene	0.982	mg/kg	0.0021	ND
Dibromochloromethane	0.982	mg/kg	0.0021	ND
Dichlorodifluoromethane	0.982	mg/kg	0.0021	ND
Ethylbenzene	0.982	mg/kg	0.0011	ND
Isopropylbenzene	0.982	mg/kg	0.0011	ND
m&p-Xylenes	0.982	mg/kg	0.0011	ND
Methylene chloride	**0.982**	**mg/kg**	**0.0021**	**0.0024**
Methyl-t-butyl ether	0.982	mg/kg	0.0011	ND
n-Butylbenzene	0.982	mg/kg	0.0011	ND
n-Propylbenzene	0.982	mg/kg	0.0011	ND
o-Xylene	0.982	mg/kg	0.0011	ND
sec-Butylbenzene	0.982	mg/kg	0.0011	ND
Styrene	0.982	mg/kg	0.0021	ND
t-Butyl Alcohol	0.982	mg/kg	0.011	ND
t-Butylbenzene	0.982	mg/kg	0.0011	ND
Tetrachloroethene	0.982	mg/kg	0.0021	ND
Toluene	0.982	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.982	mg/kg	0.0021	ND
trans-1,3-Dichloropropene	0.982	mg/kg	0.0021	ND
Trichloroethene	0.982	mg/kg	0.0021	ND
Trichlorofluoromethane	0.982	mg/kg	0.0021	ND
Vinyl chloride	0.982	mg/kg	0.0021	ND
Xylenes (Total)	0.982	mg/kg	0.0011	ND

Sample ID: MW-2 A
Lab#: AC67152-002
Matrix: Soil

Collection Date: 7/16/2012
Receipt Date: 7/18/2012

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**92**

Mercury (Soil/Waste) 7471A

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.091	ND

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
Aldrin	1	mg/kg	0.0054	ND
Alpha-BHC	1	mg/kg	0.0011	ND
beta-BHC	1	mg/kg	0.0011	ND
Chlordane	1	mg/kg	0.027	ND
delta-BHC	1	mg/kg	0.0054	ND
Dieldrin	1	mg/kg	0.0011	ND
Endosulfan I	1	mg/kg	0.0054	ND
Endosulfan II	1	mg/kg	0.0054	ND
Endosulfan Sulfate	1	mg/kg	0.0054	ND
Endrin	1	mg/kg	0.0054	ND
Endrin Aldehyde	1	mg/kg	0.0054	ND
Endrin Ketone	1	mg/kg	0.0054	ND
gamma-BHC	1	mg/kg	0.0011	ND
Heptachlor	1	mg/kg	0.0054	ND
Heptachlor Epoxide	1	mg/kg	0.0054	ND
Methoxychlor	1	mg/kg	0.0054	ND
p,p'-DDD	**1**	**mg/kg**	**0.0027**	**0.0036d**
p,p'-DDE	1	mg/kg	0.0027	ND
p,p'-DDT	1	mg/kg	0.0027	ND
Toxaphene	1	mg/kg	0.027	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.027	ND
Aroclor-1016	1	mg/kg	0.027	ND
Aroclor-1221	1	mg/kg	0.027	ND
Aroclor-1232	1	mg/kg	0.027	ND
Aroclor-1242	1	mg/kg	0.027	ND
Aroclor-1248	1	mg/kg	0.027	ND
Aroclor-1254	1	mg/kg	0.027	ND
Aroclor-1260	1	mg/kg	0.027	ND
Aroclor-1262	1	mg/kg	0.027	ND
Aroclor-1268	1	mg/kg	0.027	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,2-Diphenylhydrazine	3	mg/kg	0.22	ND
2,4,5-Trichlorophenol	3	mg/kg	0.22	ND
2,4,6-Trichlorophenol	3	mg/kg	0.22	ND
2,4-Dichlorophenol	3	mg/kg	0.054	ND
2,4-Dimethylphenol	3	mg/kg	0.22	ND
2,4-Dinitrophenol	3	mg/kg	1.1	ND
2,4-Dinitrotoluene	3	mg/kg	0.22	ND
2,6-Dinitrotoluene	3	mg/kg	0.22	ND
2-Chloronaphthalene	3	mg/kg	0.22	ND
2-Chlorophenol	3	mg/kg	0.22	ND
2-Methylnaphthalene	3	mg/kg	0.22	ND

Sample ID: MW-2 A
Lab#: AC67152-002
Matrix: Soil

Collection Date: 7/16/2012
Receipt Date: 7/18/2012

2-Methylphenol	3	mg/kg	0.054	ND
2-Nitroaniline	3	mg/kg	0.22	ND
2-Nitrophenol	3	mg/kg	0.22	ND
3&4-Methylphenol	3	mg/kg	0.054	ND
3,3'-Dichlorobenzidine	3	mg/kg	0.22	ND
3-Nitroaniline	3	mg/kg	0.22	ND
4,6-Dinitro-2-methylphenol	3	mg/kg	1.1	ND
4-Bromophenyl-phenylether	3	mg/kg	0.22	ND
4-Chloro-3-methylphenol	3	mg/kg	0.22	ND
4-Chloroaniline	3	mg/kg	0.10	ND
4-Chlorophenyl-phenylether	3	mg/kg	0.22	ND
4-Nitroaniline	3	mg/kg	0.22	ND
4-Nitrophenol	3	mg/kg	0.22	ND
Acenaphthene	3	mg/kg	0.22	ND
Acenaphthylene	3	mg/kg	0.22	ND
Aniline	3	mg/kg	0.089	ND
Anthracene	**3**	**mg/kg**	**0.22**	**0.32**
Benzidine	3	mg/kg	0.22	ND
Benzo[a]anthracene	**3**	**mg/kg**	**0.22**	**0.95**
Benzo[a]pyrene	**3**	**mg/kg**	**0.22**	**0.87**
Benzo[b]fluoranthene	**3**	**mg/kg**	**0.22**	**1.2**
Benzo[g,h,i]perylene	**3**	**mg/kg**	**0.22**	**0.75**
Benzo[k]fluoranthene	**3**	**mg/kg**	**0.22**	**0.40**
Benzoic acid	3	mg/kg	1.1	ND
bis(2-Chloroethoxy)methane	3	mg/kg	0.22	ND
bis(2-Chloroethyl)ether	3	mg/kg	0.054	ND
bis(2-Chloroisopropyl)ether	3	mg/kg	0.22	ND
bis(2-Ethylhexyl)phthalate	**3**	**mg/kg**	**0.22**	**0.36**
Butylbenzylphthalate	3	mg/kg	0.22	ND
Carbazole	3	mg/kg	0.22	ND
Chrysene	**3**	**mg/kg**	**0.22**	**1.0**
Dibenzo[a,h]anthracene	**3**	**mg/kg**	**0.22**	**0.23**
Dibenzofuran	3	mg/kg	0.054	ND
Diethylphthalate	3	mg/kg	0.22	ND
Dimethylphthalate	3	mg/kg	0.22	ND
Di-n-butylphthalate	3	mg/kg	0.11	ND
Di-n-octylphthalate	3	mg/kg	0.22	ND
Fluoranthene	**3**	**mg/kg**	**0.22**	**1.6**
Fluorene	3	mg/kg	0.22	ND
Hexachlorobenzene	3	mg/kg	0.22	ND
Hexachlorobutadiene	3	mg/kg	0.22	ND
Hexachlorocyclopentadiene	3	mg/kg	0.22	ND
Hexachloroethane	3	mg/kg	0.22	ND
Indeno[1,2,3-cd]pyrene	**3**	**mg/kg**	**0.22**	**0.63**
Isophorone	3	mg/kg	0.22	ND
Naphthalene	3	mg/kg	0.054	ND
Nitrobenzene	3	mg/kg	0.22	ND
N-Nitrosodimethylamine	3	mg/kg	0.22	ND
N-Nitroso-di-n-propylamine	3	mg/kg	0.054	ND
N-Nitrosodiphenylamine	3	mg/kg	0.22	ND
Pentachlorophenol	3	mg/kg	0.37	ND
Phenanthrene	**3**	**mg/kg**	**0.22**	**1.2**
Phenol	3	mg/kg	0.22	ND
Pyrene	**3**	**mg/kg**	**0.22**	**1.7**

TAL Metals 6010

Analyte	DF	Units	RL	Result

Sample ID: MW-2 A
Lab#: AC67152-002
Matrix: Soil

Collection Date: 7/16/2012
Receipt Date: 7/18/2012

Aluminum	**1**	**mg/kg**	**220**	**13000**
Antimony	1	mg/kg	2.2	ND
Arsenic	1	mg/kg	2.2	ND
Barium	**1**	**mg/kg**	**11**	**180**
Beryllium	1	mg/kg	0.65	ND
Cadmium	1	mg/kg	0.65	ND
Calcium	**1**	**mg/kg**	**1100**	**3300**
Chromium	**1**	**mg/kg**	**5.4**	**35**
Cobalt	**1**	**mg/kg**	**2.7**	**11**
Copper	**1**	**mg/kg**	**5.4**	**73**
Iron	**1**	**mg/kg**	**220**	**23000**
Lead	**1**	**mg/kg**	**5.4**	**64**
Magnesium	**1**	**mg/kg**	**540**	**6500**
Manganese	**1**	**mg/kg**	**11**	**290**
Nickel	**1**	**mg/kg**	**5.4**	**25**
Potassium	**1**	**mg/kg**	**540**	**6900**
Selenium	1	mg/kg	2.0	ND
Silver	1	mg/kg	1.6	ND
Sodium	1	mg/kg	270	ND
Thallium	1	mg/kg	1.3	ND
Vanadium	**1**	**mg/kg**	**11**	**40**
Zinc	**1**	**mg/kg**	**11**	**110**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.975	mg/kg	0.0021	ND
1,1,2,2-Tetrachloroethane	0.975	mg/kg	0.0021	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.975	mg/kg	0.0021	ND
1,1,2-Trichloroethane	0.975	mg/kg	0.0021	ND
1,1-Dichloroethane	0.975	mg/kg	0.0021	ND
1,1-Dichloroethene	0.975	mg/kg	0.0021	ND
1,2,3-Trichloropropane	0.975	mg/kg	0.0021	ND
1,2,4-Trimethylbenzene	**0.975**	**mg/kg**	**0.0011**	**0.064**
1,2-Dichlorobenzene	0.975	mg/kg	0.0021	ND
1,2-Dichloroethane	0.975	mg/kg	0.0021	ND
1,2-Dichloropropane	0.975	mg/kg	0.0021	ND
1,3,5-Trimethylbenzene	**0.975**	**mg/kg**	**0.0011**	**0.036**
1,3-Dichlorobenzene	0.975	mg/kg	0.0021	ND
1,3-Dichloropropane	0.975	mg/kg	0.0021	ND
1,4-Dichlorobenzene	0.975	mg/kg	0.0021	ND
1,4-Dioxane	0.975	mg/kg	0.11	ND
2-Butanone	0.975	mg/kg	0.0021	ND
2-Chloroethylvinylether	0.975	mg/kg	0.0021	ND
2-Hexanone	0.975	mg/kg	0.0021	ND
4-Isopropyltoluene	**0.975**	**mg/kg**	**0.0011**	**0.027**
4-Methyl-2-pentanone	0.975	mg/kg	0.0021	ND
Acetone	0.975	mg/kg	0.011	ND
Acrolein	0.975	mg/kg	0.011	ND
Acrylonitrile	0.975	mg/kg	0.0053	ND
Benzene	0.975	mg/kg	0.0011	ND
Bromodichloromethane	0.975	mg/kg	0.0021	ND
Bromoform	0.975	mg/kg	0.0021	ND
Bromomethane	0.975	mg/kg	0.0021	ND
Carbon disulfide	0.975	mg/kg	0.0021	ND
Carbon tetrachloride	0.975	mg/kg	0.0021	ND
Chlorobenzene	0.975	mg/kg	0.0021	ND
Chloroethane	0.975	mg/kg	0.0021	ND

Sample ID: MW-2 A
Lab#: AC67152-002
Matrix: Soil

Collection Date: 7/16/2012
Receipt Date: 7/18/2012

Chloroform	0.975	mg/kg	0.0021	ND
Chloromethane	0.975	mg/kg	0.0021	ND
cis-1,2-Dichloroethene	**0.975**	**mg/kg**	**0.0021**	**0.0037**
cis-1,3-Dichloropropene	0.975	mg/kg	0.0021	ND
Dibromochloromethane	0.975	mg/kg	0.0021	ND
Dichlorodifluoromethane	0.975	mg/kg	0.0021	ND
Ethylbenzene	**0.975**	**mg/kg**	**0.0011**	**0.016**
Isopropylbenzene	0.975	mg/kg	0.0011	ND
m&p-Xylenes	**0.975**	**mg/kg**	**0.0011**	**0.098**
Methylene chloride	**0.975**	**mg/kg**	**0.0021**	**0.0023**
Methyl-t-butyl ether	0.975	mg/kg	0.0011	ND
n-Butylbenzene	0.975	mg/kg	0.0011	ND
n-Propylbenzene	**0.975**	**mg/kg**	**0.0011**	**0.0040**
o-Xylene	**0.975**	**mg/kg**	**0.0011**	**0.082**
sec-Butylbenzene	0.975	mg/kg	0.0011	ND
Styrene	0.975	mg/kg	0.0021	ND
t-Butyl Alcohol	**0.975**	**mg/kg**	**0.011**	**0.033**
t-Butylbenzene	0.975	mg/kg	0.0011	ND
Tetrachloroethene	**0.975**	**mg/kg**	**0.0021**	**0.0044**
Toluene	**0.975**	**mg/kg**	**0.0011**	**0.0011**
trans-1,2-Dichloroethene	0.975	mg/kg	0.0021	ND
trans-1,3-Dichloropropene	0.975	mg/kg	0.0021	ND
Trichloroethene	**0.975**	**mg/kg**	**0.0021**	**0.0027**
Trichlorofluoromethane	0.975	mg/kg	0.0021	ND
Vinyl chloride	0.975	mg/kg	0.0021	ND
Xylenes (Total)	**0.975**	**mg/kg**	**0.0011**	**0.18**

Sample ID: MW-3 A
Lab#: AC67152-003
Matrix: Soil

Collection Date: 7/17/2012
Receipt Date: 7/18/2012

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**90**

Mercury (Soil/Waste) 7471A

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.093	ND

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
Aldrin	1	mg/kg	0.0056	ND
Alpha-BHC	1	mg/kg	0.0011	ND
beta-BHC	1	mg/kg	0.0011	ND
Chlordane	**1**	**mg/kg**	**0.028**	**0.29**
delta-BHC	1	mg/kg	0.0056	ND
Dieldrin	1	mg/kg	0.0011	ND
Endosulfan I	1	mg/kg	0.0056	ND
Endosulfan II	1	mg/kg	0.0056	ND
Endosulfan Sulfate	1	mg/kg	0.0056	ND
Endrin	1	mg/kg	0.0056	ND
Endrin Aldehyde	1	mg/kg	0.0056	ND
Endrin Ketone	1	mg/kg	0.0056	ND
gamma-BHC	1	mg/kg	0.0011	ND
Heptachlor	1	mg/kg	0.0056	ND
Heptachlor Epoxide	1	mg/kg	0.0056	ND
Methoxychlor	1	mg/kg	0.0056	ND
p,p'-DDD	1	mg/kg	0.0028	ND
p,p'-DDE	1	mg/kg	0.0028	ND
p,p'-DDT	1	mg/kg	0.0028	ND
Toxaphene	1	mg/kg	0.028	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.028	ND
Aroclor-1016	1	mg/kg	0.028	ND
Aroclor-1221	1	mg/kg	0.028	ND
Aroclor-1232	1	mg/kg	0.028	ND
Aroclor-1242	1	mg/kg	0.028	ND
Aroclor-1248	1	mg/kg	0.028	ND
Aroclor-1254	1	mg/kg	0.028	ND
Aroclor-1260	1	mg/kg	0.028	ND
Aroclor-1262	1	mg/kg	0.028	ND
Aroclor-1268	1	mg/kg	0.028	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,2-Diphenylhydrazine	1	mg/kg	0.037	ND
2,4,5-Trichlorophenol	1	mg/kg	0.037	ND
2,4,6-Trichlorophenol	1	mg/kg	0.037	ND
2,4-Dichlorophenol	1	mg/kg	0.0093	ND
2,4-Dimethylphenol	1	mg/kg	0.037	ND
2,4-Dinitrophenol	1	mg/kg	0.19	ND
2,4-Dinitrotoluene	1	mg/kg	0.037	ND
2,6-Dinitrotoluene	1	mg/kg	0.037	ND
2-Chloronaphthalene	1	mg/kg	0.037	ND
2-Chlorophenol	1	mg/kg	0.037	ND
2-Methylnaphthalene	1	mg/kg	0.037	ND

Sample ID: MW-3 A
Lab#: AC67152-003
Matrix: Soil

Collection Date: 7/17/2012
Receipt Date: 7/18/2012

2-Methylphenol	1	mg/kg	0.0093	ND
2-Nitroaniline	1	mg/kg	0.037	ND
2-Nitrophenol	1	mg/kg	0.037	ND
3&4-Methylphenol	1	mg/kg	0.0093	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.037	ND
3-Nitroaniline	1	mg/kg	0.037	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.19	ND
4-Bromophenyl-phenylether	1	mg/kg	0.037	ND
4-Chloro-3-methylphenol	1	mg/kg	0.037	ND
4-Chloroaniline	1	mg/kg	0.018	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.037	ND
4-Nitroaniline	1	mg/kg	0.037	ND
4-Nitrophenol	1	mg/kg	0.037	ND
Acenaphthene	1	mg/kg	0.037	ND
Acenaphthylene	1	mg/kg	0.037	ND
Aniline	1	mg/kg	0.015	ND
Anthracene	1	mg/kg	0.037	ND
Benzidine	1	mg/kg	0.037	ND
Benzo[a]anthracene	1	mg/kg	0.037	ND
Benzo[a]pyrene	1	mg/kg	0.037	ND
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.037**	**0.043**
Benzo[g,h,i]perylene	1	mg/kg	0.037	ND
Benzo[k]fluoranthene	1	mg/kg	0.037	ND
Benzoic acid	1	mg/kg	0.19	ND
bis(2-Chloroethoxy)methane	1	mg/kg	0.037	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.0093	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.037	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.037	ND
Butylbenzylphthalate	1	mg/kg	0.037	ND
Carbazole	1	mg/kg	0.037	ND
Chrysene	1	mg/kg	0.037	ND
Dibenzo[a,h]anthracene	1	mg/kg	0.037	ND
Dibenzofuran	1	mg/kg	0.0093	ND
Diethylphthalate	1	mg/kg	0.037	ND
Dimethylphthalate	1	mg/kg	0.037	ND
Di-n-butylphthalate	1	mg/kg	0.019	ND
Di-n-octylphthalate	1	mg/kg	0.037	ND
Fluoranthene	**1**	**mg/kg**	**0.037**	**0.043**
Fluorene	1	mg/kg	0.037	ND
Hexachlorobenzene	1	mg/kg	0.037	ND
Hexachlorobutadiene	1	mg/kg	0.037	ND
Hexachlorocyclopentadiene	1	mg/kg	0.037	ND
Hexachloroethane	1	mg/kg	0.037	ND
Indeno[1,2,3-cd]pyrene	1	mg/kg	0.037	ND
Isophorone	1	mg/kg	0.037	ND
Naphthalene	1	mg/kg	0.0093	ND
Nitrobenzene	1	mg/kg	0.037	ND
N-Nitrosodimethylamine	1	mg/kg	0.037	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.0093	ND
N-Nitrosodiphenylamine	1	mg/kg	0.037	ND
Pentachlorophenol	1	mg/kg	0.19	ND
Phenanthrene	1	mg/kg	0.037	ND
Phenol	1	mg/kg	0.037	ND
Pyrene	**1**	**mg/kg**	**0.037**	**0.048**

TAL Metals 6010

Analyte	DF	Units	RL	Result

Sample ID: MW-3 A **Collection Date: 7/17/2012**
Lab#: AC67152-003 **Receipt Date: 7/18/2012**
Matrix: Soil

Aluminum	**1**	**mg/kg**	**220**	**15000**
Antimony	1	mg/kg	2.2	ND
Arsenic	1	mg/kg	2.2	ND
Barium	**1**	**mg/kg**	**11**	**110**
Beryllium	1	mg/kg	0.67	ND
Cadmium	1	mg/kg	0.67	ND
Calcium	**1**	**mg/kg**	**1100**	**2500**
Chromium	**1**	**mg/kg**	**5.6**	**43**
Cobalt	**1**	**mg/kg**	**2.8**	**10**
Copper	**1**	**mg/kg**	**5.6**	**30**
Iron	**1**	**mg/kg**	**220**	**23000**
Lead	**1**	**mg/kg**	**5.6**	**42**
Magnesium	**1**	**mg/kg**	**560**	**4700**
Manganese	**1**	**mg/kg**	**11**	**390**
Nickel	**1**	**mg/kg**	**5.6**	**23**
Potassium	**1**	**mg/kg**	**560**	**3100**
Selenium	1	mg/kg	2.0	ND
Silver	1	mg/kg	1.7	ND
Sodium	1	mg/kg	280	ND
Thallium	1	mg/kg	1.3	ND
Vanadium	**1**	**mg/kg**	**11**	**37**
Zinc	**1**	**mg/kg**	**11**	**60**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.994	mg/kg	0.0022	ND
1,1,2,2-Tetrachloroethane	0.994	mg/kg	0.0022	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.994	mg/kg	0.0022	ND
1,1,2-Trichloroethane	0.994	mg/kg	0.0022	ND
1,1-Dichloroethane	0.994	mg/kg	0.0022	ND
1,1-Dichloroethene	0.994	mg/kg	0.0022	ND
1,2,3-Trichloropropane	0.994	mg/kg	0.0022	ND
1,2,4-Trimethylbenzene	0.994	mg/kg	0.0011	ND
1,2-Dichlorobenzene	0.994	mg/kg	0.0022	ND
1,2-Dichloroethane	0.994	mg/kg	0.0022	ND
1,2-Dichloropropane	0.994	mg/kg	0.0022	ND
1,3,5-Trimethylbenzene	0.994	mg/kg	0.0011	ND
1,3-Dichlorobenzene	0.994	mg/kg	0.0022	ND
1,3-Dichloropropane	0.994	mg/kg	0.0022	ND
1,4-Dichlorobenzene	0.994	mg/kg	0.0022	ND
1,4-Dioxane	0.994	mg/kg	0.11	ND
2-Butanone	0.994	mg/kg	0.0022	ND
2-Chloroethylvinylether	0.994	mg/kg	0.0022	ND
2-Hexanone	0.994	mg/kg	0.0022	ND
4-Isopropyltoluene	0.994	mg/kg	0.0011	ND
4-Methyl-2-pentanone	0.994	mg/kg	0.0022	ND
Acetone	0.994	mg/kg	0.011	ND
Acrolein	0.994	mg/kg	0.011	ND
Acrylonitrile	0.994	mg/kg	0.0055	ND
Benzene	0.994	mg/kg	0.0011	ND
Bromodichloromethane	0.994	mg/kg	0.0022	ND
Bromoform	0.994	mg/kg	0.0022	ND
Bromomethane	0.994	mg/kg	0.0022	ND
Carbon disulfide	0.994	mg/kg	0.0022	ND
Carbon tetrachloride	0.994	mg/kg	0.0022	ND
Chlorobenzene	0.994	mg/kg	0.0022	ND
Chloroethane	0.994	mg/kg	0.0022	ND

Sample ID: MW-3 A
Lab#: AC67152-003
Matrix: Soil

Collection Date: 7/17/2012
Receipt Date: 7/18/2012

Chloroform	0.994	mg/kg	0.0022	ND
Chloromethane	0.994	mg/kg	0.0022	ND
cis-1,2-Dichloroethene	0.994	mg/kg	0.0022	ND
cis-1,3-Dichloropropene	0.994	mg/kg	0.0022	ND
Dibromochloromethane	0.994	mg/kg	0.0022	ND
Dichlorodifluoromethane	0.994	mg/kg	0.0022	ND
Ethylbenzene	0.994	mg/kg	0.0011	ND
Isopropylbenzene	0.994	mg/kg	0.0011	ND
m&p-Xylenes	0.994	mg/kg	0.0011	ND
Methylene chloride	**0.994**	**mg/kg**	**0.0022**	**0.0026**
Methyl-t-butyl ether	0.994	mg/kg	0.0011	ND
n-Butylbenzene	0.994	mg/kg	0.0011	ND
n-Propylbenzene	0.994	mg/kg	0.0011	ND
o-Xylene	0.994	mg/kg	0.0011	ND
sec-Butylbenzene	0.994	mg/kg	0.0011	ND
Styrene	0.994	mg/kg	0.0022	ND
t-Butyl Alcohol	0.994	mg/kg	0.011	ND
t-Butylbenzene	0.994	mg/kg	0.0011	ND
Tetrachloroethene	0.994	mg/kg	0.0022	ND
Toluene	0.994	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.994	mg/kg	0.0022	ND
trans-1,3-Dichloropropene	0.994	mg/kg	0.0022	ND
Trichloroethene	0.994	mg/kg	0.0022	ND
Trichlorofluoromethane	0.994	mg/kg	0.0022	ND
Vinyl chloride	0.994	mg/kg	0.0022	ND
Xylenes (Total)	0.994	mg/kg	0.0011	ND

Sample ID: MW-4 A
Lab#: AC67152-004
Matrix: Soil

Collection Date: 7/17/2012
Receipt Date: 7/18/2012

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		89

Mercury (Soil/Waste) 7471A

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.094	ND

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
Aldrin	1	mg/kg	0.0056	ND
Alpha-BHC	1	mg/kg	0.0011	ND
beta-BHC	1	mg/kg	0.0011	ND
Chlordane	1	mg/kg	0.028	ND
delta-BHC	1	mg/kg	0.0056	ND
Dieldrin	1	mg/kg	0.0011	ND
Endosulfan I	1	mg/kg	0.0056	ND
Endosulfan II	1	mg/kg	0.0056	ND
Endosulfan Sulfate	1	mg/kg	0.0056	ND
Endrin	1	mg/kg	0.0056	ND
Endrin Aldehyde	1	mg/kg	0.0056	ND
Endrin Ketone	1	mg/kg	0.0056	ND
gamma-BHC	1	mg/kg	0.0011	ND
Heptachlor	1	mg/kg	0.0056	ND
Heptachlor Epoxide	1	mg/kg	0.0056	ND
Methoxychlor	1	mg/kg	0.0056	ND
p,p'-DDD	1	mg/kg	0.0028	ND
p,p'-DDE	1	mg/kg	0.0028	ND
p,p'-DDT	1	mg/kg	0.0028	ND
Toxaphene	1	mg/kg	0.028	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.028	ND
Aroclor-1016	1	mg/kg	0.028	ND
Aroclor-1221	1	mg/kg	0.028	ND
Aroclor-1232	1	mg/kg	0.028	ND
Aroclor-1242	1	mg/kg	0.028	ND
Aroclor-1248	1	mg/kg	0.028	ND
Aroclor-1254	1	mg/kg	0.028	ND
Aroclor-1260	1	mg/kg	0.028	ND
Aroclor-1262	1	mg/kg	0.028	ND
Aroclor-1268	1	mg/kg	0.028	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,2-Diphenylhydrazine	1	mg/kg	0.037	ND
2,4,5-Trichlorophenol	1	mg/kg	0.037	ND
2,4,6-Trichlorophenol	1	mg/kg	0.037	ND
2,4-Dichlorophenol	1	mg/kg	0.0094	ND
2,4-Dimethylphenol	1	mg/kg	0.037	ND
2,4-Dinitrophenol	1	mg/kg	0.19	ND
2,4-Dinitrotoluene	1	mg/kg	0.037	ND
2,6-Dinitrotoluene	1	mg/kg	0.037	ND
2-Chloronaphthalene	1	mg/kg	0.037	ND
2-Chlorophenol	1	mg/kg	0.037	ND
2-Methylnaphthalene	1	mg/kg	0.037	ND

Sample ID: MW-4 A **Collection Date: 7/17/2012**
Lab#: AC67152-004 **Receipt Date: 7/18/2012**
Matrix: Soil

2-Methylphenol	1	mg/kg	0.0094	ND
2-Nitroaniline	1	mg/kg	0.037	ND
2-Nitrophenol	1	mg/kg	0.037	ND
3&4-Methylphenol	1	mg/kg	0.0094	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.037	ND
3-Nitroaniline	1	mg/kg	0.037	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.19	ND
4-Bromophenyl-phenylether	1	mg/kg	0.037	ND
4-Chloro-3-methylphenol	1	mg/kg	0.037	ND
4-Chloroaniline	1	mg/kg	0.018	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.037	ND
4-Nitroaniline	1	mg/kg	0.037	ND
4-Nitrophenol	1	mg/kg	0.037	ND
Acenaphthene	1	mg/kg	0.037	ND
Acenaphthylene	1	mg/kg	0.037	ND
Aniline	1	mg/kg	0.015	ND
Anthracene	1	mg/kg	0.037	ND
Benzidine	1	mg/kg	0.037	ND
Benzo[a]anthracene	1	mg/kg	0.037	ND
Benzo[a]pyrene	1	mg/kg	0.037	ND
Benzo[b]fluoranthene	1	mg/kg	0.037	ND
Benzo[g,h,i]perylene	1	mg/kg	0.037	ND
Benzo[k]fluoranthene	1	mg/kg	0.037	ND
Benzoic acid	1	mg/kg	0.19	ND
bis(2-Chloroethoxy)methane	1	mg/kg	0.037	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.0094	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.037	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.037	ND
Butylbenzylphthalate	1	mg/kg	0.037	ND
Carbazole	1	mg/kg	0.037	ND
Chrysene	1	mg/kg	0.037	ND
Dibenzo[a,h]anthracene	1	mg/kg	0.037	ND
Dibenzofuran	1	mg/kg	0.0094	ND
Diethylphthalate	1	mg/kg	0.037	ND
Dimethylphthalate	1	mg/kg	0.037	ND
Di-n-butylphthalate	1	mg/kg	0.019	ND
Di-n-octylphthalate	1	mg/kg	0.037	ND
Fluoranthene	1	mg/kg	0.037	ND
Fluorene	1	mg/kg	0.037	ND
Hexachlorobenzene	1	mg/kg	0.037	ND
Hexachlorobutadiene	1	mg/kg	0.037	ND
Hexachlorocyclopentadiene	1	mg/kg	0.037	ND
Hexachloroethane	1	mg/kg	0.037	ND
Indeno[1,2,3-cd]pyrene	1	mg/kg	0.037	ND
Isophorone	1	mg/kg	0.037	ND
Naphthalene	1	mg/kg	0.0094	ND
Nitrobenzene	1	mg/kg	0.037	ND
N-Nitrosodimethylamine	1	mg/kg	0.037	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.0094	ND
N-Nitrosodiphenylamine	1	mg/kg	0.037	ND
Pentachlorophenol	1	mg/kg	0.19	ND
Phenanthrene	1	mg/kg	0.037	ND
Phenol	1	mg/kg	0.037	ND
Pyrene	1	mg/kg	0.037	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result

Sample ID: MW-4 A
Lab#: AC67152-004
Matrix: Soil

Collection Date: 7/17/2012
Receipt Date: 7/18/2012

Aluminum	**1**	**mg/kg**	**220**	**19000**
Antimony	1	mg/kg	2.2	ND
Arsenic	1	mg/kg	2.2	ND
Barium	**1**	**mg/kg**	**11**	**320**
Beryllium	1	mg/kg	0.67	ND
Cadmium	1	mg/kg	0.67	ND
Calcium	**1**	**mg/kg**	**1100**	**2100**
Chromium	**1**	**mg/kg**	**5.6**	**46**
Cobalt	**1**	**mg/kg**	**2.8**	**17**
Copper	**1**	**mg/kg**	**5.6**	**27**
Iron	**1**	**mg/kg**	**220**	**33000**
Lead	**1**	**mg/kg**	**5.6**	**6.3**
Magnesium	**1**	**mg/kg**	**560**	**9300**
Manganese	**1**	**mg/kg**	**11**	**430**
Nickel	**1**	**mg/kg**	**5.6**	**33**
Potassium	**1**	**mg/kg**	**560**	**12000**
Selenium	1	mg/kg	2.0	ND
Silver	1	mg/kg	1.7	ND
Sodium	1	mg/kg	280	ND
Thallium	1	mg/kg	1.3	ND
Vanadium	**1**	**mg/kg**	**11**	**57**
Zinc	**1**	**mg/kg**	**11**	**80**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.984	mg/kg	0.0022	ND
1,1,2,2-Tetrachloroethane	0.984	mg/kg	0.0022	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.984	mg/kg	0.0022	ND
1,1,2-Trichloroethane	0.984	mg/kg	0.0022	ND
1,1-Dichloroethane	0.984	mg/kg	0.0022	ND
1,1-Dichloroethene	0.984	mg/kg	0.0022	ND
1,2,3-Trichloropropane	0.984	mg/kg	0.0022	ND
1,2,4-Trimethylbenzene	0.984	mg/kg	0.0011	ND
1,2-Dichlorobenzene	0.984	mg/kg	0.0022	ND
1,2-Dichloroethane	0.984	mg/kg	0.0022	ND
1,2-Dichloropropane	0.984	mg/kg	0.0022	ND
1,3,5-Trimethylbenzene	0.984	mg/kg	0.0011	ND
1,3-Dichlorobenzene	0.984	mg/kg	0.0022	ND
1,3-Dichloropropane	0.984	mg/kg	0.0022	ND
1,4-Dichlorobenzene	0.984	mg/kg	0.0022	ND
1,4-Dioxane	0.984	mg/kg	0.11	ND
2-Butanone	0.984	mg/kg	0.0022	ND
2-Chloroethylvinylether	0.984	mg/kg	0.0022	ND
2-Hexanone	0.984	mg/kg	0.0022	ND
4-Isopropyltoluene	0.984	mg/kg	0.0011	ND
4-Methyl-2-pentanone	0.984	mg/kg	0.0022	ND
Acetone	0.984	mg/kg	0.011	ND
Acrolein	0.984	mg/kg	0.011	ND
Acrylonitrile	0.984	mg/kg	0.0055	ND
Benzene	0.984	mg/kg	0.0011	ND
Bromodichloromethane	0.984	mg/kg	0.0022	ND
Bromoform	0.984	mg/kg	0.0022	ND
Bromomethane	0.984	mg/kg	0.0022	ND
Carbon disulfide	0.984	mg/kg	0.0022	ND
Carbon tetrachloride	0.984	mg/kg	0.0022	ND
Chlorobenzene	0.984	mg/kg	0.0022	ND
Chloroethane	0.984	mg/kg	0.0022	ND

Sample ID: MW-4 A
Lab#: AC67152-004
Matrix: Soil

Collection Date: 7/17/2012
Receipt Date: 7/18/2012

Chloroform	0.984	mg/kg	0.0022	ND
Chloromethane	0.984	mg/kg	0.0022	ND
cis-1,2-Dichloroethene	0.984	mg/kg	0.0022	ND
cis-1,3-Dichloropropene	0.984	mg/kg	0.0022	ND
Dibromochloromethane	0.984	mg/kg	0.0022	ND
Dichlorodifluoromethane	0.984	mg/kg	0.0022	ND
Ethylbenzene	0.984	mg/kg	0.0011	ND
Isopropylbenzene	0.984	mg/kg	0.0011	ND
m&p-Xylenes	0.984	mg/kg	0.0011	ND
Methylene chloride	0.984	mg/kg	0.0022	ND
Methyl-t-butyl ether	0.984	mg/kg	0.0011	ND
n-Butylbenzene	0.984	mg/kg	0.0011	ND
n-Propylbenzene	0.984	mg/kg	0.0011	ND
o-Xylene	0.984	mg/kg	0.0011	ND
sec-Butylbenzene	0.984	mg/kg	0.0011	ND
Styrene	0.984	mg/kg	0.0022	ND
t-Butyl Alcohol	0.984	mg/kg	0.011	ND
t-Butylbenzene	0.984	mg/kg	0.0011	ND
Tetrachloroethene	0.984	mg/kg	0.0022	ND
Toluene	0.984	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.984	mg/kg	0.0022	ND
trans-1,3-Dichloropropene	0.984	mg/kg	0.0022	ND
Trichloroethene	0.984	mg/kg	0.0022	ND
Trichlorofluoromethane	0.984	mg/kg	0.0022	ND
Vinyl chloride	0.984	mg/kg	0.0022	ND
Xylenes (Total)	0.984	mg/kg	0.0011	ND

Sample ID: MW-1 B
Lab#: AC67152-005
Matrix: Soil

Collection Date: 7/16/2012
Receipt Date: 7/18/2012

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		79

Mercury (Soil/Waste) 7471A

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.11	1.7

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
Aldrin	1	mg/kg	0.0063	ND
Alpha-BHC	1	mg/kg	0.0013	ND
beta-BHC	1	mg/kg	0.0013	ND
Chlordane	1	mg/kg	0.032	ND
delta-BHC	1	mg/kg	0.0063	ND
Dieldrin	1	mg/kg	0.0013	ND
Endosulfan I	1	mg/kg	0.0063	ND
Endosulfan II	1	mg/kg	0.0063	ND
Endosulfan Sulfate	1	mg/kg	0.0063	ND
Endrin	1	mg/kg	0.0063	ND
Endrin Aldehyde	1	mg/kg	0.0063	ND
Endrin Ketone	1	mg/kg	0.0063	ND
gamma-BHC	1	mg/kg	0.0013	ND
Heptachlor	1	mg/kg	0.0063	ND
Heptachlor Epoxide	1	mg/kg	0.0063	ND
Methoxychlor	1	mg/kg	0.0063	ND
p,p'-DDD	1	mg/kg	0.0032	ND
p,p'-DDE	1	mg/kg	0.0032	ND
p,p'-DDT	1	mg/kg	0.0032	ND
Toxaphene	1	mg/kg	0.032	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.032	ND
Aroclor-1016	1	mg/kg	0.032	ND
Aroclor-1221	1	mg/kg	0.032	ND
Aroclor-1232	1	mg/kg	0.032	ND
Aroclor-1242	1	mg/kg	0.032	ND
Aroclor-1248	1	mg/kg	0.032	ND
Aroclor-1254	1	mg/kg	0.032	ND
Aroclor-1260	1	mg/kg	0.032	ND
Aroclor-1262	1	mg/kg	0.032	ND
Aroclor-1268	1	mg/kg	0.032	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,2-Diphenylhydrazine	1	mg/kg	0.042	ND
2,4,5-Trichlorophenol	1	mg/kg	0.042	ND
2,4,6-Trichlorophenol	1	mg/kg	0.042	ND
2,4-Dichlorophenol	1	mg/kg	0.011	ND
2,4-Dimethylphenol	1	mg/kg	0.042	ND
2,4-Dinitrophenol	1	mg/kg	0.21	ND
2,4-Dinitrotoluene	1	mg/kg	0.042	ND
2,6-Dinitrotoluene	1	mg/kg	0.042	ND
2-Chloronaphthalene	1	mg/kg	0.042	ND
2-Chlorophenol	1	mg/kg	0.042	ND
2-Methylnaphthalene	1	mg/kg	0.042	ND

Sample ID: MW-1 B
Lab#: AC67152-005
Matrix: Soil

Collection Date: 7/16/2012
Receipt Date: 7/18/2012

2-Methylphenol	1	mg/kg	0.011	ND
2-Nitroaniline	1	mg/kg	0.042	ND
2-Nitrophenol	1	mg/kg	0.042	ND
3&4-Methylphenol	**1**	**mg/kg**	**0.011**	**0.085**
3,3'-Dichlorobenzidine	1	mg/kg	0.042	ND
3-Nitroaniline	1	mg/kg	0.042	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.21	ND
4-Bromophenyl-phenylether	1	mg/kg	0.042	ND
4-Chloro-3-methylphenol	1	mg/kg	0.042	ND
4-Chloroaniline	1	mg/kg	0.020	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.042	ND
4-Nitroaniline	1	mg/kg	0.042	ND
4-Nitrophenol	1	mg/kg	0.042	ND
Acenaphthene	1	mg/kg	0.042	ND
Acenaphthylene	**1**	**mg/kg**	**0.042**	**0.063**
Aniline	1	mg/kg	0.017	ND
Anthracene	**1**	**mg/kg**	**0.042**	**0.073**
Benzidine	1	mg/kg	0.042	ND
Benzo[a]anthracene	**1**	**mg/kg**	**0.042**	**0.33**
Benzo[a]pyrene	**1**	**mg/kg**	**0.042**	**0.29**
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.042**	**0.42**
Benzo[g,h,i]perylene	**1**	**mg/kg**	**0.042**	**0.21**
Benzo[k]fluoranthene	**1**	**mg/kg**	**0.042**	**0.15**
Benzoic acid	1	mg/kg	0.21	ND
bis(2-Chloroethoxy)methane	1	mg/kg	0.042	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.011	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.042	ND
bis(2-Ethylhexyl)phthalate	**1**	**mg/kg**	**0.042**	**0.053**
Butylbenzylphthalate	1	mg/kg	0.042	ND
Carbazole	1	mg/kg	0.042	ND
Chrysene	**1**	**mg/kg**	**0.042**	**0.36**
Dibenzo[a,h]anthracene	**1**	**mg/kg**	**0.042**	**0.065**
Dibenzofuran	1	mg/kg	0.011	ND
Diethylphthalate	1	mg/kg	0.042	ND
Dimethylphthalate	1	mg/kg	0.042	ND
Di-n-butylphthalate	**1**	**mg/kg**	**0.021**	**0.035**
Di-n-octylphthalate	1	mg/kg	0.042	ND
Fluoranthene	**1**	**mg/kg**	**0.042**	**0.49**
Fluorene	1	mg/kg	0.042	ND
Hexachlorobenzene	1	mg/kg	0.042	ND
Hexachlorobutadiene	1	mg/kg	0.042	ND
Hexachlorocyclopentadiene	1	mg/kg	0.042	ND
Hexachloroethane	1	mg/kg	0.042	ND
Indeno[1,2,3-cd]pyrene	**1**	**mg/kg**	**0.042**	**0.20**
Isophorone	1	mg/kg	0.042	ND
Naphthalene	**1**	**mg/kg**	**0.011**	**0.030**
Nitrobenzene	1	mg/kg	0.042	ND
N-Nitrosodimethylamine	1	mg/kg	0.042	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.011	ND
N-Nitrosodiphenylamine	1	mg/kg	0.042	ND
Pentachlorophenol	1	mg/kg	0.071	ND
Phenanthrene	**1**	**mg/kg**	**0.042**	**0.23**
Phenol	1	mg/kg	0.042	ND
Pyrene	**1**	**mg/kg**	**0.042**	**0.55**

TAL Metals 6010

Analyte	DF	Units	RL	Result

Sample ID: MW-1 B
Lab#: AC67152-005
Matrix: Soil

Collection Date: 7/16/2012
Receipt Date: 7/18/2012

Aluminum	**1**	**mg/kg**	**250**	**14000**
Antimony	1	mg/kg	2.5	ND
Arsenic	**1**	**mg/kg**	**2.5**	**5.8**
Barium	**1**	**mg/kg**	**13**	**350**
Beryllium	1	mg/kg	0.76	ND
Cadmium	**1**	**mg/kg**	**0.76**	**0.82**
Calcium	**1**	**mg/kg**	**1300**	**3500**
Chromium	**1**	**mg/kg**	**6.3**	**48**
Cobalt	**1**	**mg/kg**	**3.2**	**11**
Copper	**1**	**mg/kg**	**6.3**	**80**
Iron	**1**	**mg/kg**	**250**	**30000**
Lead	**1**	**mg/kg**	**6.3**	**360**
Magnesium	**1**	**mg/kg**	**630**	**5600**
Manganese	**1**	**mg/kg**	**13**	**270**
Nickel	**1**	**mg/kg**	**6.3**	**26**
Potassium	**1**	**mg/kg**	**630**	**4900**
Selenium	1	mg/kg	2.3	ND
Silver	1	mg/kg	1.9	ND
Sodium	**1**	**mg/kg**	**320**	**340**
Thallium	1	mg/kg	1.5	ND
Vanadium	**1**	**mg/kg**	**13**	**50**
Zinc	**1**	**mg/kg**	**13**	**320**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.978	mg/kg	0.0025	ND
1,1,2,2-Tetrachloroethane	0.978	mg/kg	0.0025	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.978	mg/kg	0.0025	ND
1,1,2-Trichloroethane	0.978	mg/kg	0.0025	ND
1,1-Dichloroethane	0.978	mg/kg	0.0025	ND
1,1-Dichloroethene	0.978	mg/kg	0.0025	ND
1,2,3-Trichloropropane	0.978	mg/kg	0.0025	ND
1,2,4-Trimethylbenzene	0.978	mg/kg	0.0012	ND
1,2-Dichlorobenzene	0.978	mg/kg	0.0025	ND
1,2-Dichloroethane	0.978	mg/kg	0.0025	ND
1,2-Dichloropropane	0.978	mg/kg	0.0025	ND
1,3,5-Trimethylbenzene	0.978	mg/kg	0.0012	ND
1,3-Dichlorobenzene	0.978	mg/kg	0.0025	ND
1,3-Dichloropropane	0.978	mg/kg	0.0025	ND
1,4-Dichlorobenzene	0.978	mg/kg	0.0025	ND
1,4-Dioxane	0.978	mg/kg	0.12	ND
2-Butanone	0.978	mg/kg	0.0025	ND
2-Chloroethylvinylether	0.978	mg/kg	0.0025	ND
2-Hexanone	0.978	mg/kg	0.0025	ND
4-Isopropyltoluene	0.978	mg/kg	0.0012	ND
4-Methyl-2-pentanone	0.978	mg/kg	0.0025	ND
Acetone	0.978	mg/kg	0.012	ND
Acrolein	0.978	mg/kg	0.012	ND
Acrylonitrile	0.978	mg/kg	0.0062	ND
Benzene	0.978	mg/kg	0.0012	ND
Bromodichloromethane	0.978	mg/kg	0.0025	ND
Bromoform	0.978	mg/kg	0.0025	ND
Bromomethane	0.978	mg/kg	0.0025	ND
Carbon disulfide	0.978	mg/kg	0.0025	ND
Carbon tetrachloride	0.978	mg/kg	0.0025	ND
Chlorobenzene	0.978	mg/kg	0.0025	ND
Chloroethane	0.978	mg/kg	0.0025	ND

Sample ID: MW-1 B
Lab#: AC67152-005
Matrix: Soil

Collection Date: 7/16/2012
Receipt Date: 7/18/2012

Chloroform	0.978	mg/kg	0.0025	ND
Chloromethane	0.978	mg/kg	0.0025	ND
cis-1,2-Dichloroethene	0.978	mg/kg	0.0025	ND
cis-1,3-Dichloropropene	0.978	mg/kg	0.0025	ND
Dibromochloromethane	0.978	mg/kg	0.0025	ND
Dichlorodifluoromethane	0.978	mg/kg	0.0025	ND
Ethylbenzene	0.978	mg/kg	0.0012	ND
Isopropylbenzene	0.978	mg/kg	0.0012	ND
m&p-Xylenes	0.978	mg/kg	0.0012	ND
Methylene chloride	0.978	mg/kg	0.0025	ND
Methyl-t-butyl ether	0.978	mg/kg	0.0012	ND
n-Butylbenzene	0.978	mg/kg	0.0012	ND
n-Propylbenzene	0.978	mg/kg	0.0012	ND
o-Xylene	0.978	mg/kg	0.0012	ND
sec-Butylbenzene	0.978	mg/kg	0.0012	ND
Styrene	0.978	mg/kg	0.0025	ND
t-Butyl Alcohol	**0.978**	**mg/kg**	**0.012**	**0.032**
t-Butylbenzene	0.978	mg/kg	0.0012	ND
Tetrachloroethene	0.978	mg/kg	0.0025	ND
Toluene	0.978	mg/kg	0.0012	ND
trans-1,2-Dichloroethene	0.978	mg/kg	0.0025	ND
trans-1,3-Dichloropropene	0.978	mg/kg	0.0025	ND
Trichloroethene	**0.978**	**mg/kg**	**0.0025**	**0.0034**
Trichlorofluoromethane	0.978	mg/kg	0.0025	ND
Vinyl chloride	0.978	mg/kg	0.0025	ND
Xylenes (Total)	0.978	mg/kg	0.0012	ND

Sample ID: MW-2 B
Lab#: AC67152-006
Matrix: Soil

Collection Date: 7/16/2012
Receipt Date: 7/18/2012

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		96

Mercury (Soil/Waste) 7471A

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.087	ND

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
Aldrin	1	mg/kg	0.0052	ND
Alpha-BHC	1	mg/kg	0.0010	ND
beta-BHC	1	mg/kg	0.0010	ND
Chlordane	1	mg/kg	0.026	ND
delta-BHC	1	mg/kg	0.0052	ND
Dieldrin	1	mg/kg	0.0010	ND
Endosulfan I	1	mg/kg	0.0052	ND
Endosulfan II	1	mg/kg	0.0052	ND
Endosulfan Sulfate	1	mg/kg	0.0052	ND
Endrin	1	mg/kg	0.0052	ND
Endrin Aldehyde	1	mg/kg	0.0052	ND
Endrin Ketone	1	mg/kg	0.0052	ND
gamma-BHC	1	mg/kg	0.0010	ND
Heptachlor	1	mg/kg	0.0052	ND
Heptachlor Epoxide	1	mg/kg	0.0052	ND
Methoxychlor	1	mg/kg	0.0052	ND
p,p'-DDD	1	mg/kg	0.0026	ND
p,p'-DDE	1	mg/kg	0.0026	ND
p,p'-DDT	1	mg/kg	0.0026	ND
Toxaphene	1	mg/kg	0.026	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.026	ND
Aroclor-1016	1	mg/kg	0.026	ND
Aroclor-1221	1	mg/kg	0.026	ND
Aroclor-1232	1	mg/kg	0.026	ND
Aroclor-1242	1	mg/kg	0.026	ND
Aroclor-1248	1	mg/kg	0.026	ND
Aroclor-1254	1	mg/kg	0.026	ND
Aroclor-1260	1	mg/kg	0.026	ND
Aroclor-1262	1	mg/kg	0.026	ND
Aroclor-1268	1	mg/kg	0.026	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,2-Diphenylhydrazine	1	mg/kg	0.035	ND
2,4,5-Trichlorophenol	1	mg/kg	0.035	ND
2,4,6-Trichlorophenol	1	mg/kg	0.035	ND
2,4-Dichlorophenol	1	mg/kg	0.0087	ND
2,4-Dimethylphenol	1	mg/kg	0.035	ND
2,4-Dinitrophenol	1	mg/kg	0.17	ND
2,4-Dinitrotoluene	1	mg/kg	0.035	ND
2,6-Dinitrotoluene	1	mg/kg	0.035	ND
2-Chloronaphthalene	1	mg/kg	0.035	ND
2-Chlorophenol	1	mg/kg	0.035	ND
2-Methylnaphthalene	1	mg/kg	0.035	ND

Sample ID: MW-2 B **Collection Date: 7/16/2012**
Lab#: AC67152-006 **Receipt Date: 7/18/2012**
Matrix: Soil

2-Methylphenol	1	mg/kg	0.0087	ND
2-Nitroaniline	1	mg/kg	0.035	ND
2-Nitrophenol	1	mg/kg	0.035	ND
3&4-Methylphenol	1	mg/kg	0.0087	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.035	ND
3-Nitroaniline	1	mg/kg	0.035	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.17	ND
4-Bromophenyl-phenylether	1	mg/kg	0.035	ND
4-Chloro-3-methylphenol	1	mg/kg	0.035	ND
4-Chloroaniline	1	mg/kg	0.016	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.035	ND
4-Nitroaniline	1	mg/kg	0.035	ND
4-Nitrophenol	1	mg/kg	0.035	ND
Acenaphthene	1	mg/kg	0.035	ND
Acenaphthylene	1	mg/kg	0.035	ND
Aniline	1	mg/kg	0.014	ND
Anthracene	1	mg/kg	0.035	ND
Benzidine	1	mg/kg	0.035	ND
Benzo[a]anthracene	**1**	**mg/kg**	**0.035**	**0.066**
Benzo[a]pyrene	**1**	**mg/kg**	**0.035**	**0.066**
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.035**	**0.099**
Benzo[g,h,i]perylene	**1**	**mg/kg**	**0.035**	**0.065**
Benzo[k]fluoranthene	1	mg/kg	0.035	ND
Benzoic acid	1	mg/kg	0.17	ND
bis(2-Chloroethoxy)methane	1	mg/kg	0.035	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.0087	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.035	ND
bis(2-Ethylhexyl)phthalate	**1**	**mg/kg**	**0.035**	**0.045**
Butylbenzylphthalate	1	mg/kg	0.035	ND
Carbazole	1	mg/kg	0.035	ND
Chrysene	**1**	**mg/kg**	**0.035**	**0.085**
Dibenzo[a,h]anthracene	1	mg/kg	0.035	ND
Dibenzofuran	1	mg/kg	0.0087	ND
Diethylphthalate	1	mg/kg	0.035	ND
Dimethylphthalate	1	mg/kg	0.035	ND
Di-n-butylphthalate	1	mg/kg	0.017	ND
Di-n-octylphthalate	1	mg/kg	0.035	ND
Fluoranthene	**1**	**mg/kg**	**0.035**	**0.099**
Fluorene	1	mg/kg	0.035	ND
Hexachlorobenzene	1	mg/kg	0.035	ND
Hexachlorobutadiene	1	mg/kg	0.035	ND
Hexachlorocyclopentadiene	1	mg/kg	0.035	ND
Hexachloroethane	1	mg/kg	0.035	ND
Indeno[1,2,3-cd]pyrene	**1**	**mg/kg**	**0.035**	**0.053**
Isophorone	1	mg/kg	0.035	ND
Naphthalene	1	mg/kg	0.0087	ND
Nitrobenzene	1	mg/kg	0.035	ND
N-Nitrosodimethylamine	1	mg/kg	0.035	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.0087	ND
N-Nitrosodiphenylamine	1	mg/kg	0.035	ND
Pentachlorophenol	1	mg/kg	0.058	ND
Phenanthrene	**1**	**mg/kg**	**0.035**	**0.053**
Phenol	1	mg/kg	0.035	ND
Pyrene	**1**	**mg/kg**	**0.035**	**0.12**

TAL Metals 6010

Analyte	DF	Units	RL	Result

Sample ID: MW-2 B **Collection Date: 7/16/2012**
Lab#: AC67152-006 **Receipt Date: 7/18/2012**
Matrix: Soil

Aluminum	**1**	**mg/kg**	**210**	**16000**
Antimony	**1**	**mg/kg**	**2.1**	**2.6**
Arsenic	1	mg/kg	2.1	ND
Barium	**1**	**mg/kg**	**10**	**310**
Beryllium	1	mg/kg	0.62	ND
Cadmium	1	mg/kg	0.62	ND
Calcium	**1**	**mg/kg**	**1000**	**1700**
Chromium	**1**	**mg/kg**	**5.2**	**43**
Cobalt	**1**	**mg/kg**	**2.6**	**12**
Copper	**1**	**mg/kg**	**5.2**	**69**
Iron	**1**	**mg/kg**	**210**	**31000**
Lead	**1**	**mg/kg**	**5.2**	**17**
Magnesium	**1**	**mg/kg**	**520**	**7700**
Manganese	**1**	**mg/kg**	**10**	**350**
Nickel	**1**	**mg/kg**	**5.2**	**27**
Potassium	**1**	**mg/kg**	**520**	**11000**
Selenium	1	mg/kg	1.9	ND
Silver	1	mg/kg	1.6	ND
Sodium	1	mg/kg	260	ND
Thallium	1	mg/kg	1.2	ND
Vanadium	**1**	**mg/kg**	**10**	**49**
Zinc	**1**	**mg/kg**	**10**	**91**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.988	mg/kg	0.0021	ND
1,1,2,2-Tetrachloroethane	0.988	mg/kg	0.0021	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.988	mg/kg	0.0021	ND
1,1,2-Trichloroethane	0.988	mg/kg	0.0021	ND
1,1-Dichloroethane	0.988	mg/kg	0.0021	ND
1,1-Dichloroethene	0.988	mg/kg	0.0021	ND
1,2,3-Trichloropropane	0.988	mg/kg	0.0021	ND
1,2,4-Trimethylbenzene	0.988	mg/kg	0.0010	ND
1,2-Dichlorobenzene	0.988	mg/kg	0.0021	ND
1,2-Dichloroethane	0.988	mg/kg	0.0021	ND
1,2-Dichloropropane	0.988	mg/kg	0.0021	ND
1,3,5-Trimethylbenzene	0.988	mg/kg	0.0010	ND
1,3-Dichlorobenzene	0.988	mg/kg	0.0021	ND
1,3-Dichloropropane	0.988	mg/kg	0.0021	ND
1,4-Dichlorobenzene	0.988	mg/kg	0.0021	ND
1,4-Dioxane	0.988	mg/kg	0.10	ND
2-Butanone	0.988	mg/kg	0.0021	ND
2-Chloroethylvinylether	0.988	mg/kg	0.0021	ND
2-Hexanone	0.988	mg/kg	0.0021	ND
4-Isopropyltoluene	0.988	mg/kg	0.0010	ND
4-Methyl-2-pentanone	0.988	mg/kg	0.0021	ND
Acetone	0.988	mg/kg	0.010	ND
Acrolein	0.988	mg/kg	0.010	ND
Acrylonitrile	0.988	mg/kg	0.0051	ND
Benzene	0.988	mg/kg	0.0010	ND
Bromodichloromethane	0.988	mg/kg	0.0021	ND
Bromoform	0.988	mg/kg	0.0021	ND
Bromomethane	0.988	mg/kg	0.0021	ND
Carbon disulfide	0.988	mg/kg	0.0021	ND
Carbon tetrachloride	0.988	mg/kg	0.0021	ND
Chlorobenzene	0.988	mg/kg	0.0021	ND
Chloroethane	0.988	mg/kg	0.0021	ND

Sample ID: MW-2 B **Collection Date: 7/16/2012**
Lab#: AC67152-006 **Receipt Date: 7/18/2012**
Matrix: Soil

Chloroform	0.988	mg/kg	0.0021	ND
Chloromethane	0.988	mg/kg	0.0021	ND
cis-1,2-Dichloroethene	0.988	mg/kg	0.0021	ND
cis-1,3-Dichloropropene	0.988	mg/kg	0.0021	ND
Dibromochloromethane	0.988	mg/kg	0.0021	ND
Dichlorodifluoromethane	0.988	mg/kg	0.0021	ND
Ethylbenzene	0.988	mg/kg	0.0010	ND
Isopropylbenzene	0.988	mg/kg	0.0010	ND
m&p-Xylenes	0.988	mg/kg	0.0010	ND
Methylene chloride	0.988	mg/kg	0.0021	ND
Methyl-t-butyl ether	0.988	mg/kg	0.0010	ND
n-Butylbenzene	0.988	mg/kg	0.0010	ND
n-Propylbenzene	0.988	mg/kg	0.0010	ND
o-Xylene	0.988	mg/kg	0.0010	ND
sec-Butylbenzene	0.988	mg/kg	0.0010	ND
Styrene	0.988	mg/kg	0.0021	ND
t-Butyl Alcohol	**0.988**	**mg/kg**	**0.010**	**0.013**
t-Butylbenzene	0.988	mg/kg	0.0010	ND
Tetrachloroethene	**0.988**	**mg/kg**	**0.0021**	**0.0043**
Toluene	0.988	mg/kg	0.0010	ND
trans-1,2-Dichloroethene	0.988	mg/kg	0.0021	ND
trans-1,3-Dichloropropene	0.988	mg/kg	0.0021	ND
Trichloroethene	**0.988**	**mg/kg**	**0.0021**	**0.0090**
Trichlorofluoromethane	0.988	mg/kg	0.0021	ND
Vinyl chloride	0.988	mg/kg	0.0021	ND
Xylenes (Total)	0.988	mg/kg	0.0010	ND

Sample ID: MW-3 B
Lab#: AC67152-007
Matrix: Soil

Collection Date: 7/17/2012
Receipt Date: 7/18/2012

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**92**

Mercury (Soil/Waste) 7471A

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.091	ND

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
Aldrin	1	mg/kg	0.0054	ND
Alpha-BHC	1	mg/kg	0.0011	ND
beta-BHC	1	mg/kg	0.0011	ND
Chlordane	**1**	**mg/kg**	**0.027**	**0.053**
delta-BHC	1	mg/kg	0.0054	ND
Dieldrin	1	mg/kg	0.0011	ND
Endosulfan I	1	mg/kg	0.0054	ND
Endosulfan II	1	mg/kg	0.0054	ND
Endosulfan Sulfate	1	mg/kg	0.0054	ND
Endrin	1	mg/kg	0.0054	ND
Endrin Aldehyde	1	mg/kg	0.0054	ND
Endrin Ketone	1	mg/kg	0.0054	ND
gamma-BHC	1	mg/kg	0.0011	ND
Heptachlor	1	mg/kg	0.0054	ND
Heptachlor Epoxide	1	mg/kg	0.0054	ND
Methoxychlor	1	mg/kg	0.0054	ND
p,p'-DDD	1	mg/kg	0.0027	ND
p,p'-DDE	1	mg/kg	0.0027	ND
p,p'-DDT	1	mg/kg	0.0027	ND
Toxaphene	1	mg/kg	0.027	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.027	ND
Aroclor-1016	1	mg/kg	0.027	ND
Aroclor-1221	1	mg/kg	0.027	ND
Aroclor-1232	1	mg/kg	0.027	ND
Aroclor-1242	1	mg/kg	0.027	ND
Aroclor-1248	1	mg/kg	0.027	ND
Aroclor-1254	1	mg/kg	0.027	ND
Aroclor-1260	1	mg/kg	0.027	ND
Aroclor-1262	1	mg/kg	0.027	ND
Aroclor-1268	1	mg/kg	0.027	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,2-Diphenylhydrazine	1	mg/kg	0.036	ND
2,4,5-Trichlorophenol	1	mg/kg	0.036	ND
2,4,6-Trichlorophenol	1	mg/kg	0.036	ND
2,4-Dichlorophenol	1	mg/kg	0.0091	ND
2,4-Dimethylphenol	1	mg/kg	0.036	ND
2,4-Dinitrophenol	1	mg/kg	0.18	ND
2,4-Dinitrotoluene	1	mg/kg	0.036	ND
2,6-Dinitrotoluene	1	mg/kg	0.036	ND
2-Chloronaphthalene	1	mg/kg	0.036	ND
2-Chlorophenol	1	mg/kg	0.036	ND
2-Methylnaphthalene	1	mg/kg	0.036	ND

Sample ID: MW-3 B **Collection Date: 7/17/2012**
Lab#: AC67152-007 **Receipt Date: 7/18/2012**
Matrix: Soil

2-Methylphenol	1	mg/kg	0.0091	ND
2-Nitroaniline	1	mg/kg	0.036	ND
2-Nitrophenol	1	mg/kg	0.036	ND
3&4-Methylphenol	1	mg/kg	0.0091	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.036	ND
3-Nitroaniline	1	mg/kg	0.036	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.18	ND
4-Bromophenyl-phenylether	1	mg/kg	0.036	ND
4-Chloro-3-methylphenol	1	mg/kg	0.036	ND
4-Chloroaniline	1	mg/kg	0.017	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.036	ND
4-Nitroaniline	1	mg/kg	0.036	ND
4-Nitrophenol	1	mg/kg	0.036	ND
Acenaphthene	1	mg/kg	0.036	ND
Acenaphthylene	1	mg/kg	0.036	ND
Aniline	1	mg/kg	0.015	ND
Anthracene	1	mg/kg	0.036	ND
Benzidine	1	mg/kg	0.036	ND
Benzo[a]anthracene	1	mg/kg	0.036	ND
Benzo[a]pyrene	1	mg/kg	0.036	ND
Benzo[b]fluoranthene	1	mg/kg	0.036	ND
Benzo[g,h,i]perylene	1	mg/kg	0.036	ND
Benzo[k]fluoranthene	1	mg/kg	0.036	ND
Benzoic acid	1	mg/kg	0.18	ND
bis(2-Chloroethoxy)methane	1	mg/kg	0.036	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.0091	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.036	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.036	ND
Butylbenzylphthalate	1	mg/kg	0.036	ND
Carbazole	1	mg/kg	0.036	ND
Chrysene	1	mg/kg	0.036	ND
Dibenzo[a,h]anthracene	1	mg/kg	0.036	ND
Dibenzofuran	1	mg/kg	0.0091	ND
Diethylphthalate	1	mg/kg	0.036	ND
Dimethylphthalate	1	mg/kg	0.036	ND
Di-n-butylphthalate	1	mg/kg	0.018	ND
Di-n-octylphthalate	1	mg/kg	0.036	ND
Fluoranthene	1	mg/kg	0.036	ND
Fluorene	1	mg/kg	0.036	ND
Hexachlorobenzene	1	mg/kg	0.036	ND
Hexachlorobutadiene	1	mg/kg	0.036	ND
Hexachlorocyclopentadiene	1	mg/kg	0.036	ND
Hexachloroethane	1	mg/kg	0.036	ND
Indeno[1,2,3-cd]pyrene	1	mg/kg	0.036	ND
Isophorone	1	mg/kg	0.036	ND
Naphthalene	1	mg/kg	0.0091	ND
Nitrobenzene	1	mg/kg	0.036	ND
N-Nitrosodimethylamine	1	mg/kg	0.036	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.0091	ND
N-Nitrosodiphenylamine	1	mg/kg	0.036	ND
Pentachlorophenol	1	mg/kg	0.18	ND
Phenanthrene	1	mg/kg	0.036	ND
Phenol	1	mg/kg	0.036	ND
Pyrene	1	mg/kg	0.036	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result

Sample ID: MW-3 B
Lab#: AC67152-007
Matrix: Soil

Collection Date: 7/17/2012
Receipt Date: 7/18/2012

Aluminum	**1**	**mg/kg**	**220**	**13000**
Antimony	1	mg/kg	2.2	ND
Arsenic	1	mg/kg	2.2	ND
Barium	**1**	**mg/kg**	**11**	**130**
Beryllium	1	mg/kg	0.65	ND
Cadmium	1	mg/kg	0.65	ND
Calcium	**1**	**mg/kg**	**1100**	**2000**
Chromium	**1**	**mg/kg**	**5.4**	**48**
Cobalt	**1**	**mg/kg**	**2.7**	**11**
Copper	**1**	**mg/kg**	**5.4**	**30**
Iron	**1**	**mg/kg**	**220**	**22000**
Lead	**1**	**mg/kg**	**5.4**	**16**
Magnesium	**1**	**mg/kg**	**540**	**4600**
Manganese	**1**	**mg/kg**	**11**	**520**
Nickel	**1**	**mg/kg**	**5.4**	**26**
Potassium	**1**	**mg/kg**	**540**	**3900**
Selenium	1	mg/kg	2.0	ND
Silver	1	mg/kg	1.6	ND
Sodium	1	mg/kg	270	ND
Thallium	1	mg/kg	1.3	ND
Vanadium	**1**	**mg/kg**	**11**	**36**
Zinc	**1**	**mg/kg**	**11**	**67**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.982	mg/kg	0.0021	ND
1,1,2,2-Tetrachloroethane	0.982	mg/kg	0.0021	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.982	mg/kg	0.0021	ND
1,1,2-Trichloroethane	0.982	mg/kg	0.0021	ND
1,1-Dichloroethane	0.982	mg/kg	0.0021	ND
1,1-Dichloroethene	0.982	mg/kg	0.0021	ND
1,2,3-Trichloropropane	0.982	mg/kg	0.0021	ND
1,2,4-Trimethylbenzene	0.982	mg/kg	0.0011	ND
1,2-Dichlorobenzene	0.982	mg/kg	0.0021	ND
1,2-Dichloroethane	0.982	mg/kg	0.0021	ND
1,2-Dichloropropane	0.982	mg/kg	0.0021	ND
1,3,5-Trimethylbenzene	0.982	mg/kg	0.0011	ND
1,3-Dichlorobenzene	0.982	mg/kg	0.0021	ND
1,3-Dichloropropane	0.982	mg/kg	0.0021	ND
1,4-Dichlorobenzene	0.982	mg/kg	0.0021	ND
1,4-Dioxane	0.982	mg/kg	0.11	ND
2-Butanone	0.982	mg/kg	0.0021	ND
2-Chloroethylvinylether	0.982	mg/kg	0.0021	ND
2-Hexanone	0.982	mg/kg	0.0021	ND
4-Isopropyltoluene	0.982	mg/kg	0.0011	ND
4-Methyl-2-pentanone	0.982	mg/kg	0.0021	ND
Acetone	0.982	mg/kg	0.011	ND
Acrolein	0.982	mg/kg	0.011	ND
Acrylonitrile	0.982	mg/kg	0.0053	ND
Benzene	0.982	mg/kg	0.0011	ND
Bromodichloromethane	0.982	mg/kg	0.0021	ND
Bromoform	0.982	mg/kg	0.0021	ND
Bromomethane	0.982	mg/kg	0.0021	ND
Carbon disulfide	0.982	mg/kg	0.0021	ND
Carbon tetrachloride	0.982	mg/kg	0.0021	ND
Chlorobenzene	0.982	mg/kg	0.0021	ND
Chloroethane	0.982	mg/kg	0.0021	ND

Sample ID: MW-3 B
Lab#: AC67152-007
Matrix: Soil

Collection Date: 7/17/2012
Receipt Date: 7/18/2012

Chloroform	0.982	mg/kg	0.0021	ND
Chloromethane	0.982	mg/kg	0.0021	ND
cis-1,2-Dichloroethene	0.982	mg/kg	0.0021	ND
cis-1,3-Dichloropropene	0.982	mg/kg	0.0021	ND
Dibromochloromethane	0.982	mg/kg	0.0021	ND
Dichlorodifluoromethane	0.982	mg/kg	0.0021	ND
Ethylbenzene	0.982	mg/kg	0.0011	ND
Isopropylbenzene	0.982	mg/kg	0.0011	ND
m&p-Xylenes	0.982	mg/kg	0.0011	ND
Methylene chloride	0.982	mg/kg	0.0021	ND
Methyl-t-butyl ether	0.982	mg/kg	0.0011	ND
n-Butylbenzene	0.982	mg/kg	0.0011	ND
n-Propylbenzene	0.982	mg/kg	0.0011	ND
o-Xylene	0.982	mg/kg	0.0011	ND
sec-Butylbenzene	0.982	mg/kg	0.0011	ND
Styrene	0.982	mg/kg	0.0021	ND
t-Butyl Alcohol	**0.982**	**mg/kg**	**0.011**	**0.015**
t-Butylbenzene	0.982	mg/kg	0.0011	ND
Tetrachloroethene	0.982	mg/kg	0.0021	ND
Toluene	0.982	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.982	mg/kg	0.0021	ND
trans-1,3-Dichloropropene	0.982	mg/kg	0.0021	ND
Trichloroethene	0.982	mg/kg	0.0021	ND
Trichlorofluoromethane	0.982	mg/kg	0.0021	ND
Vinyl chloride	0.982	mg/kg	0.0021	ND
Xylenes (Total)	0.982	mg/kg	0.0011	ND

Sample ID: MW-4 B
Lab#: AC67152-008
Matrix: Soil

Collection Date: 7/17/2012
Receipt Date: 7/18/2012

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		91

Mercury (Soil/Waste) 7471A

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.092	ND

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
Aldrin	1	mg/kg	0.0055	ND
Alpha-BHC	1	mg/kg	0.0011	ND
beta-BHC	1	mg/kg	0.0011	ND
Chlordane	1	mg/kg	0.027	ND
delta-BHC	1	mg/kg	0.0055	ND
Dieldrin	1	mg/kg	0.0011	ND
Endosulfan I	1	mg/kg	0.0055	ND
Endosulfan II	1	mg/kg	0.0055	ND
Endosulfan Sulfate	1	mg/kg	0.0055	ND
Endrin	1	mg/kg	0.0055	ND
Endrin Aldehyde	1	mg/kg	0.0055	ND
Endrin Ketone	1	mg/kg	0.0055	ND
gamma-BHC	1	mg/kg	0.0011	ND
Heptachlor	1	mg/kg	0.0055	ND
Heptachlor Epoxide	1	mg/kg	0.0055	ND
Methoxychlor	1	mg/kg	0.0055	ND
p,p'-DDD	1	mg/kg	0.0027	ND
p,p'-DDE	1	mg/kg	0.0027	ND
p,p'-DDT	1	mg/kg	0.0027	ND
Toxaphene	1	mg/kg	0.027	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.027	ND
Aroclor-1016	1	mg/kg	0.027	ND
Aroclor-1221	1	mg/kg	0.027	ND
Aroclor-1232	1	mg/kg	0.027	ND
Aroclor-1242	1	mg/kg	0.027	ND
Aroclor-1248	1	mg/kg	0.027	ND
Aroclor-1254	1	mg/kg	0.027	ND
Aroclor-1260	1	mg/kg	0.027	ND
Aroclor-1262	1	mg/kg	0.027	ND
Aroclor-1268	1	mg/kg	0.027	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,2-Diphenylhydrazine	1	mg/kg	0.037	ND
2,4,5-Trichlorophenol	1	mg/kg	0.037	ND
2,4,6-Trichlorophenol	1	mg/kg	0.037	ND
2,4-Dichlorophenol	1	mg/kg	0.0092	ND
2,4-Dimethylphenol	1	mg/kg	0.037	ND
2,4-Dinitrophenol	1	mg/kg	0.18	ND
2,4-Dinitrotoluene	1	mg/kg	0.037	ND
2,6-Dinitrotoluene	1	mg/kg	0.037	ND
2-Chloronaphthalene	1	mg/kg	0.037	ND
2-Chlorophenol	1	mg/kg	0.037	ND
2-Methylnaphthalene	1	mg/kg	0.037	ND

Sample ID: MW-4 B **Collection Date: 7/17/2012**
Lab#: AC67152-008 **Receipt Date: 7/18/2012**
Matrix: Soil

2-Methylphenol	1	mg/kg	0.0092	ND
2-Nitroaniline	1	mg/kg	0.037	ND
2-Nitrophenol	1	mg/kg	0.037	ND
3&4-Methylphenol	1	mg/kg	0.0092	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.037	ND
3-Nitroaniline	1	mg/kg	0.037	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.18	ND
4-Bromophenyl-phenylether	1	mg/kg	0.037	ND
4-Chloro-3-methylphenol	1	mg/kg	0.037	ND
4-Chloroaniline	1	mg/kg	0.017	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.037	ND
4-Nitroaniline	1	mg/kg	0.037	ND
4-Nitrophenol	1	mg/kg	0.037	ND
Acenaphthene	1	mg/kg	0.037	ND
Acenaphthylene	1	mg/kg	0.037	ND
Aniline	1	mg/kg	0.015	ND
Anthracene	1	mg/kg	0.037	ND
Benzidine	1	mg/kg	0.037	ND
Benzo[a]anthracene	1	mg/kg	0.037	ND
Benzo[a]pyrene	1	mg/kg	0.037	ND
Benzo[b]fluoranthene	1	mg/kg	0.037	ND
Benzo[g,h,i]perylene	1	mg/kg	0.037	ND
Benzo[k]fluoranthene	1	mg/kg	0.037	ND
Benzoic acid	1	mg/kg	0.18	ND
bis(2-Chloroethoxy)methane	1	mg/kg	0.037	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.0092	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.037	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.037	ND
Butylbenzylphthalate	1	mg/kg	0.037	ND
Carbazole	1	mg/kg	0.037	ND
Chrysene	1	mg/kg	0.037	ND
Dibenzo[a,h]anthracene	1	mg/kg	0.037	ND
Dibenzofuran	1	mg/kg	0.0092	ND
Diethylphthalate	1	mg/kg	0.037	ND
Dimethylphthalate	1	mg/kg	0.037	ND
Di-n-butylphthalate	1	mg/kg	0.018	ND
Di-n-octylphthalate	1	mg/kg	0.037	ND
Fluoranthene	1	mg/kg	0.037	ND
Fluorene	1	mg/kg	0.037	ND
Hexachlorobenzene	1	mg/kg	0.037	ND
Hexachlorobutadiene	1	mg/kg	0.037	ND
Hexachlorocyclopentadiene	1	mg/kg	0.037	ND
Hexachloroethane	1	mg/kg	0.037	ND
Indeno[1,2,3-cd]pyrene	1	mg/kg	0.037	ND
Isophorone	1	mg/kg	0.037	ND
Naphthalene	1	mg/kg	0.0092	ND
Nitrobenzene	1	mg/kg	0.037	ND
N-Nitrosodimethylamine	1	mg/kg	0.037	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.0092	ND
N-Nitrosodiphenylamine	1	mg/kg	0.037	ND
Pentachlorophenol	1	mg/kg	0.18	ND
Phenanthrene	1	mg/kg	0.037	ND
Phenol	1	mg/kg	0.037	ND
Pyrene	1	mg/kg	0.037	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result

Sample ID: MW-4 B **Collection Date: 7/17/2012**
Lab#: AC67152-008 **Receipt Date: 7/18/2012**
Matrix: Soil

Aluminum	**1**	**mg/kg**	**220**	**19000**
Antimony	1	mg/kg	2.2	ND
Arsenic	1	mg/kg	2.2	ND
Barium	**1**	**mg/kg**	**11**	**240**
Beryllium	1	mg/kg	0.66	ND
Cadmium	1	mg/kg	0.66	ND
Calcium	**1**	**mg/kg**	**1100**	**1800**
Chromium	**1**	**mg/kg**	**5.5**	**49**
Cobalt	**1**	**mg/kg**	**2.7**	**16**
Copper	**1**	**mg/kg**	**5.5**	**28**
Iron	**1**	**mg/kg**	**220**	**35000**
Lead	**1**	**mg/kg**	**5.5**	**8.2**
Magnesium	**1**	**mg/kg**	**550**	**9100**
Manganese	**1**	**mg/kg**	**11**	**490**
Nickel	**1**	**mg/kg**	**5.5**	**34**
Potassium	**1**	**mg/kg**	**550**	**9600**
Selenium	1	mg/kg	2.0	ND
Silver	1	mg/kg	1.6	ND
Sodium	**1**	**mg/kg**	**270**	**280**
Thallium	1	mg/kg	1.3	ND
Vanadium	**1**	**mg/kg**	**11**	**53**
Zinc	**1**	**mg/kg**	**11**	**85**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.986	mg/kg	0.0022	ND
1,1,2,2-Tetrachloroethane	0.986	mg/kg	0.0022	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.986	mg/kg	0.0022	ND
1,1,2-Trichloroethane	0.986	mg/kg	0.0022	ND
1,1-Dichloroethane	0.986	mg/kg	0.0022	ND
1,1-Dichloroethene	0.986	mg/kg	0.0022	ND
1,2,3-Trichloropropane	0.986	mg/kg	0.0022	ND
1,2,4-Trimethylbenzene	0.986	mg/kg	0.0011	ND
1,2-Dichlorobenzene	0.986	mg/kg	0.0022	ND
1,2-Dichloroethane	0.986	mg/kg	0.0022	ND
1,2-Dichloropropane	0.986	mg/kg	0.0022	ND
1,3,5-Trimethylbenzene	0.986	mg/kg	0.0011	ND
1,3-Dichlorobenzene	0.986	mg/kg	0.0022	ND
1,3-Dichloropropane	0.986	mg/kg	0.0022	ND
1,4-Dichlorobenzene	0.986	mg/kg	0.0022	ND
1,4-Dioxane	0.986	mg/kg	0.11	ND
2-Butanone	0.986	mg/kg	0.0022	ND
2-Chloroethylvinylether	0.986	mg/kg	0.0022	ND
2-Hexanone	0.986	mg/kg	0.0022	ND
4-Isopropyltoluene	0.986	mg/kg	0.0011	ND
4-Methyl-2-pentanone	0.986	mg/kg	0.0022	ND
Acetone	0.986	mg/kg	0.011	ND
Acrolein	0.986	mg/kg	0.011	ND
Acrylonitrile	0.986	mg/kg	0.0054	ND
Benzene	0.986	mg/kg	0.0011	ND
Bromodichloromethane	0.986	mg/kg	0.0022	ND
Bromoform	0.986	mg/kg	0.0022	ND
Bromomethane	0.986	mg/kg	0.0022	ND
Carbon disulfide	0.986	mg/kg	0.0022	ND
Carbon tetrachloride	0.986	mg/kg	0.0022	ND
Chlorobenzene	0.986	mg/kg	0.0022	ND
Chloroethane	0.986	mg/kg	0.0022	ND

Sample ID: MW-4 B
Lab#: AC67152-008
Matrix: Soil

Collection Date: 7/17/2012
Receipt Date: 7/18/2012

Chloroform	0.986	mg/kg	0.0022	ND
Chloromethane	0.986	mg/kg	0.0022	ND
cis-1,2-Dichloroethene	0.986	mg/kg	0.0022	ND
cis-1,3-Dichloropropene	0.986	mg/kg	0.0022	ND
Dibromochloromethane	0.986	mg/kg	0.0022	ND
Dichlorodifluoromethane	0.986	mg/kg	0.0022	ND
Ethylbenzene	0.986	mg/kg	0.0011	ND
Isopropylbenzene	0.986	mg/kg	0.0011	ND
m&p-Xylenes	0.986	mg/kg	0.0011	ND
Methylene chloride	0.986	mg/kg	0.0022	ND
Methyl-t-butyl ether	0.986	mg/kg	0.0011	ND
n-Butylbenzene	0.986	mg/kg	0.0011	ND
n-Propylbenzene	0.986	mg/kg	0.0011	ND
o-Xylene	0.986	mg/kg	0.0011	ND
sec-Butylbenzene	0.986	mg/kg	0.0011	ND
Styrene	0.986	mg/kg	0.0022	ND
t-Butyl Alcohol	**0.986**	**mg/kg**	**0.011**	**0.015**
t-Butylbenzene	0.986	mg/kg	0.0011	ND
Tetrachloroethene	0.986	mg/kg	0.0022	ND
Toluene	0.986	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.986	mg/kg	0.0022	ND
trans-1,3-Dichloropropene	0.986	mg/kg	0.0022	ND
Trichloroethene	0.986	mg/kg	0.0022	ND
Trichlorofluoromethane	0.986	mg/kg	0.0022	ND
Vinyl chloride	0.986	mg/kg	0.0022	ND
Xylenes (Total)	0.986	mg/kg	0.0011	ND

Sample ID: MW-4A (DUP)
Lab#: AC67152-009
Matrix: Soil

Collection Date: 7/17/2012
Receipt Date: 7/18/2012

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		91

Mercury (Soil/Waste) 7471A

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.092	ND

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
Aldrin	1	mg/kg	0.0055	ND
Alpha-BHC	1	mg/kg	0.0011	ND
beta-BHC	1	mg/kg	0.0011	ND
Chlordane	1	mg/kg	0.027	ND
delta-BHC	1	mg/kg	0.0055	ND
Dieldrin	1	mg/kg	0.0011	ND
Endosulfan I	1	mg/kg	0.0055	ND
Endosulfan II	1	mg/kg	0.0055	ND
Endosulfan Sulfate	1	mg/kg	0.0055	ND
Endrin	1	mg/kg	0.0055	ND
Endrin Aldehyde	1	mg/kg	0.0055	ND
Endrin Ketone	1	mg/kg	0.0055	ND
gamma-BHC	1	mg/kg	0.0011	ND
Heptachlor	1	mg/kg	0.0055	ND
Heptachlor Epoxide	1	mg/kg	0.0055	ND
Methoxychlor	1	mg/kg	0.0055	ND
p,p'-DDD	1	mg/kg	0.0027	ND
p,p'-DDE	1	mg/kg	0.0027	ND
p,p'-DDT	1	mg/kg	0.0027	ND
Toxaphene	1	mg/kg	0.027	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.027	ND
Aroclor-1016	1	mg/kg	0.027	ND
Aroclor-1221	1	mg/kg	0.027	ND
Aroclor-1232	1	mg/kg	0.027	ND
Aroclor-1242	1	mg/kg	0.027	ND
Aroclor-1248	1	mg/kg	0.027	ND
Aroclor-1254	1	mg/kg	0.027	ND
Aroclor-1260	1	mg/kg	0.027	ND
Aroclor-1262	1	mg/kg	0.027	ND
Aroclor-1268	1	mg/kg	0.027	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,2-Diphenylhydrazine	1	mg/kg	0.037	ND
2,4,5-Trichlorophenol	1	mg/kg	0.037	ND
2,4,6-Trichlorophenol	1	mg/kg	0.037	ND
2,4-Dichlorophenol	1	mg/kg	0.0092	ND
2,4-Dimethylphenol	1	mg/kg	0.037	ND
2,4-Dinitrophenol	1	mg/kg	0.18	ND
2,4-Dinitrotoluene	1	mg/kg	0.037	ND
2,6-Dinitrotoluene	1	mg/kg	0.037	ND
2-Chloronaphthalene	1	mg/kg	0.037	ND
2-Chlorophenol	1	mg/kg	0.037	ND
2-Methylnaphthalene	1	mg/kg	0.037	ND

Sample ID: MW-4A (DUP) **Collection Date: 7/17/2012**
Lab#: AC67152-009 **Receipt Date: 7/18/2012**
Matrix: Soil

2-Methylphenol	1	mg/kg	0.0092	ND
2-Nitroaniline	1	mg/kg	0.037	ND
2-Nitrophenol	1	mg/kg	0.037	ND
3&4-Methylphenol	1	mg/kg	0.0092	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.037	ND
3-Nitroaniline	1	mg/kg	0.037	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.18	ND
4-Bromophenyl-phenylether	1	mg/kg	0.037	ND
4-Chloro-3-methylphenol	1	mg/kg	0.037	ND
4-Chloroaniline	1	mg/kg	0.017	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.037	ND
4-Nitroaniline	1	mg/kg	0.037	ND
4-Nitrophenol	1	mg/kg	0.037	ND
Acenaphthene	1	mg/kg	0.037	ND
Acenaphthylene	1	mg/kg	0.037	ND
Aniline	1	mg/kg	0.015	ND
Anthracene	1	mg/kg	0.037	ND
Benzidine	1	mg/kg	0.037	ND
Benzo[a]anthracene	1	mg/kg	0.037	ND
Benzo[a]pyrene	1	mg/kg	0.037	ND
Benzo[b]fluoranthene	1	mg/kg	0.037	ND
Benzo[g,h,i]perylene	1	mg/kg	0.037	ND
Benzo[k]fluoranthene	1	mg/kg	0.037	ND
Benzoic acid	1	mg/kg	0.18	ND
bis(2-Chloroethoxy)methane	1	mg/kg	0.037	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.0092	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.037	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.037	ND
Butylbenzylphthalate	1	mg/kg	0.037	ND
Carbazole	1	mg/kg	0.037	ND
Chrysene	1	mg/kg	0.037	ND
Dibenzo[a,h]anthracene	1	mg/kg	0.037	ND
Dibenzofuran	1	mg/kg	0.0092	ND
Diethylphthalate	1	mg/kg	0.037	ND
Dimethylphthalate	1	mg/kg	0.037	ND
Di-n-butylphthalate	1	mg/kg	0.018	ND
Di-n-octylphthalate	1	mg/kg	0.037	ND
Fluoranthene	1	mg/kg	0.037	ND
Fluorene	1	mg/kg	0.037	ND
Hexachlorobenzene	1	mg/kg	0.037	ND
Hexachlorobutadiene	1	mg/kg	0.037	ND
Hexachlorocyclopentadiene	1	mg/kg	0.037	ND
Hexachloroethane	1	mg/kg	0.037	ND
Indeno[1,2,3-cd]pyrene	1	mg/kg	0.037	ND
Isophorone	1	mg/kg	0.037	ND
Naphthalene	1	mg/kg	0.0092	ND
Nitrobenzene	1	mg/kg	0.037	ND
N-Nitrosodimethylamine	1	mg/kg	0.037	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.0092	ND
N-Nitrosodiphenylamine	1	mg/kg	0.037	ND
Pentachlorophenol	1	mg/kg	0.18	ND
Phenanthrene	1	mg/kg	0.037	ND
Phenol	1	mg/kg	0.037	ND
Pyrene	1	mg/kg	0.037	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result

Sample ID: MW-4A (DUP)
Lab#: AC67152-009
Matrix: Soil

Collection Date: 7/17/2012
Receipt Date: 7/18/2012

Aluminum	**1**	**mg/kg**	**220**	**18000**
Antimony	1	mg/kg	2.2	ND
Arsenic	1	mg/kg	2.2	ND
Barium	**1**	**mg/kg**	**11**	**280**
Beryllium	1	mg/kg	0.66	ND
Cadmium	1	mg/kg	0.66	ND
Calcium	**1**	**mg/kg**	**1100**	**2000**
Chromium	**1**	**mg/kg**	**5.5**	**48**
Cobalt	**1**	**mg/kg**	**2.7**	**15**
Copper	**1**	**mg/kg**	**5.5**	**29**
Iron	**1**	**mg/kg**	**220**	**32000**
Lead	**1**	**mg/kg**	**5.5**	**7.6**
Magnesium	**1**	**mg/kg**	**550**	**8700**
Manganese	**1**	**mg/kg**	**11**	**460**
Nickel	**1**	**mg/kg**	**5.5**	**32**
Potassium	**1**	**mg/kg**	**550**	**11000**
Selenium	1	mg/kg	2.0	ND
Silver	1	mg/kg	1.6	ND
Sodium	1	mg/kg	270	ND
Thallium	1	mg/kg	1.3	ND
Vanadium	**1**	**mg/kg**	**11**	**54**
Zinc	**1**	**mg/kg**	**11**	**75**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.986	mg/kg	0.0022	ND
1,1,2,2-Tetrachloroethane	0.986	mg/kg	0.0022	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.986	mg/kg	0.0022	ND
1,1,2-Trichloroethane	0.986	mg/kg	0.0022	ND
1,1-Dichloroethane	0.986	mg/kg	0.0022	ND
1,1-Dichloroethene	0.986	mg/kg	0.0022	ND
1,2,3-Trichloropropane	0.986	mg/kg	0.0022	ND
1,2,4-Trimethylbenzene	0.986	mg/kg	0.0011	ND
1,2-Dichlorobenzene	0.986	mg/kg	0.0022	ND
1,2-Dichloroethane	0.986	mg/kg	0.0022	ND
1,2-Dichloropropane	0.986	mg/kg	0.0022	ND
1,3,5-Trimethylbenzene	0.986	mg/kg	0.0011	ND
1,3-Dichlorobenzene	0.986	mg/kg	0.0022	ND
1,3-Dichloropropane	0.986	mg/kg	0.0022	ND
1,4-Dichlorobenzene	0.986	mg/kg	0.0022	ND
1,4-Dioxane	0.986	mg/kg	0.11	ND
2-Butanone	0.986	mg/kg	0.0022	ND
2-Chloroethylvinylether	0.986	mg/kg	0.0022	ND
2-Hexanone	0.986	mg/kg	0.0022	ND
4-Isopropyltoluene	0.986	mg/kg	0.0011	ND
4-Methyl-2-pentanone	0.986	mg/kg	0.0022	ND
Acetone	0.986	mg/kg	0.011	ND
Acrolein	0.986	mg/kg	0.011	ND
Acrylonitrile	0.986	mg/kg	0.0054	ND
Benzene	0.986	mg/kg	0.0011	ND
Bromodichloromethane	0.986	mg/kg	0.0022	ND
Bromoform	0.986	mg/kg	0.0022	ND
Bromomethane	0.986	mg/kg	0.0022	ND
Carbon disulfide	0.986	mg/kg	0.0022	ND
Carbon tetrachloride	0.986	mg/kg	0.0022	ND
Chlorobenzene	0.986	mg/kg	0.0022	ND
Chloroethane	0.986	mg/kg	0.0022	ND

Sample ID: MW-4A (DUP)
Lab#: AC67152-009
Matrix: Soil

Collection Date: 7/17/2012
Receipt Date: 7/18/2012

Chloroform	0.986	mg/kg	0.0022	ND
Chloromethane	0.986	mg/kg	0.0022	ND
cis-1,2-Dichloroethene	0.986	mg/kg	0.0022	ND
cis-1,3-Dichloropropene	0.986	mg/kg	0.0022	ND
Dibromochloromethane	0.986	mg/kg	0.0022	ND
Dichlorodifluoromethane	0.986	mg/kg	0.0022	ND
Ethylbenzene	0.986	mg/kg	0.0011	ND
Isopropylbenzene	0.986	mg/kg	0.0011	ND
m&p-Xylenes	0.986	mg/kg	0.0011	ND
Methylene chloride	0.986	mg/kg	0.0022	ND
Methyl-t-butyl ether	0.986	mg/kg	0.0011	ND
n-Butylbenzene	0.986	mg/kg	0.0011	ND
n-Propylbenzene	0.986	mg/kg	0.0011	ND
o-Xylene	0.986	mg/kg	0.0011	ND
sec-Butylbenzene	0.986	mg/kg	0.0011	ND
Styrene	0.986	mg/kg	0.0022	ND
t-Butyl Alcohol	**0.986**	**mg/kg**	**0.011**	**0.015**
t-Butylbenzene	0.986	mg/kg	0.0011	ND
Tetrachloroethene	0.986	mg/kg	0.0022	ND
Toluene	0.986	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.986	mg/kg	0.0022	ND
trans-1,3-Dichloropropene	0.986	mg/kg	0.0022	ND
Trichloroethene	0.986	mg/kg	0.0022	ND
Trichlorofluoromethane	0.986	mg/kg	0.0022	ND
Vinyl chloride	0.986	mg/kg	0.0022	ND
Xylenes (Total)	0.986	mg/kg	0.0011	ND

HCV Reporting Limit Definitions/Data Qualifiers

REPORTING DEFINITIONS

DF = Dilution Factor

MDL = Method Detection Limit

RL* = Reporting Limit

ND = Not Detected

RT = Retention Time

NA = Not Applicable

**Samples with elevated Reporting Limits (RLs) as a result of a dilution may not achieve client reporting limits in some cases. The elevated RLs are unavoidable consequences of sample dilution required to quantitate target analytes that exceed the calibration range of the instrument.*

DATA QUALIFIERS

B- Indicates analyte was present in the Method Blank and sample.

d- For Pesticide and PCB analysis, the concentration between primary and secondary columns is greater than 40%. The lower concentration is generally reported.

E- Indicates the concentration exceeded the upper calibration range of the instrument.

J- Indicates the value is estimated because it is either a Tentatively Identified Compound (TIC) or the reported concentration is greater than the MDL but less than the RL. For samples results between the MDL and RL there is a possibility of false positives or misidentification at the quantitation levels. Additionally, the acceptance criteria for QC samples may not be met.

Laboratory Chronicle

Client: Whitestone Associates

HCV Project #: 2071832

Project: EJ1111829.002

Lab#: AC67152-001 **Sample ID: MW-1 A**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	7/20/12 00:00	janee
Mercury (Soil/Waste) 7471A	EPA 7471A	07/20/12	purva	EPA 7471A	7/25/12 12:55	CJA
Organochlorine Pesticides 8081	3510C/3550B	07/30/12	BINIT	EPA 8081A	7/31/12 06:23	JP/MS
PCB 8082	3510C/3550B	07/30/12	BINIT	EPA 8082	7/30/12 14:38	MS/JP
Semivolatile Organics (no search) 8270	3510C/3550B	07/26/12	hj	EPA 8270C	7/27/12 16:35	AHD
TAL Metals 6010	3005&10/3050	07/20/12	purva	EPA 6010B	7/20/12 23:21	OA
TAL Metals 6010	3005&10/3050	07/20/12	purva	EPA 6010B	7/21/12 08:14	OA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	7/20/12 11:36	WP

Lab#: AC67152-002 **Sample ID: MW-2 A**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	7/20/12 00:00	janee
Mercury (Soil/Waste) 7471A	EPA 7471A	07/20/12	purva	EPA 7471A	7/25/12 12:56	CJA
Organochlorine Pesticides 8081	3510C/3550B	07/30/12	BINIT	EPA 8081A	7/31/12 09:44	JP/MS
PCB 8082	3510C/3550B	07/30/12	BINIT	EPA 8082	7/31/12 09:45	MS/JP
Semivolatile Organics (no search) 8270	3510C/3550B	07/26/12	hj	EPA 8270C	7/27/12 15:43	AHD
TAL Metals 6010	3005&10/3050	07/20/12	purva	EPA 6010B	7/21/12 08:18	OA
TAL Metals 6010	3005&10/3050	07/20/12	purva	EPA 6010B	7/20/12 23:25	OA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	7/22/12 20:48	WP

Lab#: AC67152-003 **Sample ID: MW-3 A**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	7/20/12 00:00	janee
Mercury (Soil/Waste) 7471A	EPA 7471A	07/20/12	purva	EPA 7471A	7/24/12 13:29	CJA
Organochlorine Pesticides 8081	3510C/3550B	07/31/12	BINIT	EPA 8081A	8/1/12 10:15	MS
PCB 8082	3510C/3550B	07/31/12	BINIT	EPA 8082	7/31/12 20:54	MS
Semivolatile Organics (no search) 8270	3510C/3550B	07/30/12	hj	EPA 8270C	7/31/12 13:51	AHD
TAL Metals 6010	3005&10/3050	07/20/12	purva	EPA 6010B	7/21/12 07:37	OA
TAL Metals 6010	3005&10/3050	07/20/12	purva	EPA 6010B	7/20/12 22:33	OA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	7/20/12 12:25	WP

Laboratory Chronicle

Client: Whitestone Associates

Project: EJ1111829.002

HCV Project #: 2071832

Lab#: AC67152-004 **Sample ID: MW-4 A**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	7/20/12 00:00	janee
Mercury (Soil/Waste) 7471A	EPA 7471A	07/20/12	purva	EPA 7471A	7/25/12 12:58	CJA
Organochlorine Pesticides 8081	3510C/3550B	07/31/12	BINIT	EPA 8081A	8/1/12 09:07	MS
PCB 8082	3510C/3550B	07/31/12	BINIT	EPA 8082	7/31/12 21:10	MS
Semivolatile Organics (no search) 8270	3510C/3550B	07/30/12	hj	EPA 8270C	7/31/12 14:14	AHD
TAL Metals 6010	3005&10/3050	07/20/12	purva	EPA 6010B	7/20/12 23:46	OA
TAL Metals 6010	3005&10/3050	07/20/12	purva	EPA 6010B	7/21/12 08:36	OA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	7/20/12 12:41	WP

Lab#: AC67152-005 **Sample ID: MW-1 B**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	7/20/12 00:00	janee
Mercury (Soil/Waste) 7471A	EPA 7471A	07/20/12	purva	EPA 7471A	7/25/12 13:00	CJA
Organochlorine Pesticides 8081	3510C/3550B	07/30/12	BINIT	EPA 8081A	7/31/12 07:16	JP/MS
PCB 8082	3510C/3550B	07/30/12	BINIT	EPA 8082	7/30/12 18:00	MS/JP
Semivolatile Organics (no search) 8270	3510C/3550B	07/26/12	hj	EPA 8270C	7/27/12 16:59	AHD
TAL Metals 6010	3005&10/3050	07/20/12	purva	EPA 6010B	7/20/12 23:50	OA
TAL Metals 6010	3005&10/3050	07/20/12	purva	EPA 6010B	7/21/12 08:39	OA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	7/22/12 19:44	WP

Lab#: AC67152-006 **Sample ID: MW-2 B**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	7/20/12 00:00	janee
Mercury (Soil/Waste) 7471A	EPA 7471A	07/20/12	purva	EPA 7471A	7/25/12 13:01	CJA
Organochlorine Pesticides 8081	3510C/3550B	07/30/12	BINIT	EPA 8081A	7/31/12 07:34	JP/MS
PCB 8082	3510C/3550B	07/30/12	BINIT	EPA 8082	7/30/12 18:16	MS/JP
Semivolatile Organics (no search) 8270	3510C/3550B	07/26/12	hj	EPA 8270C	7/27/12 17:24	AHD
TAL Metals 6010	3005&10/3050	07/20/12	purva	EPA 6010B	7/20/12 23:54	OA
TAL Metals 6010	3005&10/3050	07/20/12	purva	EPA 6010B	7/21/12 08:43	OA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	7/23/12 13:16	WP

Laboratory Chronicle

Client: Whitestone Associates

Project: EJ1111829.002

HCV Project #: 2071832

Lab#: AC67152-007 **Sample ID: MW-3 B**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	7/20/12 00:00	janee
Mercury (Soil/Waste) 7471A	EPA 7471A	07/20/12	purva	EPA 7471A	7/25/12 13:03	CJA
Organochlorine Pesticides 8081	3510C/3550B	07/31/12	BINIT	EPA 8081A	8/1/12 09:24	MS
PCB 8082	3510C/3550B	07/31/12	BINIT	EPA 8082	7/31/12 22:11	MS
Semivolatile Organics (no search) 8270	3510C/3550B	07/30/12	hj	EPA 8270C	7/31/12 14:37	AHD
TAL Metals 6010	3005&10/3050	07/20/12	purva	EPA 6010B	7/20/12 23:59	OA
TAL Metals 6010	3005&10/3050	07/20/12	purva	EPA 6010B	7/21/12 08:46	OA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	7/22/12 20:00	WP

Lab#: AC67152-008 **Sample ID: MW-4 B**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	7/20/12 00:00	janee
Mercury (Soil/Waste) 7471A	EPA 7471A	07/20/12	purva	EPA 7471A	7/25/12 13:04	CJA
Organochlorine Pesticides 8081	3510C/3550B	07/31/12	BINIT	EPA 8081A	8/1/12 09:41	MS
PCB 8082	3510C/3550B	07/31/12	BINIT	EPA 8082	7/31/12 22:26	MS
Semivolatile Organics (no search) 8270	3510C/3550B	07/30/12	hj	EPA 8270C	7/31/12 15:00	AHD
TAL Metals 6010	3005&10/3050	07/20/12	purva	EPA 6010B	7/21/12 08:49	OA
TAL Metals 6010	3005&10/3050	07/20/12	purva	EPA 6010B	7/21/12 00:03	OA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	7/22/12 20:16	WP

Lab#: AC67152-009 **Sample ID: MW-4A (DUP)**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	7/20/12 00:00	janee
Mercury (Soil/Waste) 7471A	EPA 7471A	07/20/12	purva	EPA 7471A	7/25/12 13:06	CJA
Organochlorine Pesticides 8081	3510C/3550B	07/31/12	BINIT	EPA 8081A	8/1/12 09:58	MS
PCB 8082	3510C/3550B	07/31/12	BINIT	EPA 8082	7/31/12 22:41	MS
Semivolatile Organics (no search) 8270	3510C/3550B	07/30/12	hj	EPA 8270C	7/31/12 15:23	AHD
TAL Metals 6010	3005&10/3050	07/20/12	purva	EPA 6010B	7/21/12 00:08	OA
TAL Metals 6010	3005&10/3050	07/20/12	purva	EPA 6010B	7/21/12 08:52	OA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	7/22/12 20:32	WP

Chain of Custody

Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1458
Service Center: 137-D Gaither Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056

HC-V HamptonClarke-Veritech

CHAIN OF CUSTODY RECORD

NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | WV #353 | KY #90124

0050-2071832

Customer Information

1a) Customer: Whitestone Associates, Inc.
Address: 35 Technology Drive
Warren, NJ 07059
1b) Email/Cell/Fax/Ph: 908-668-7777
1c) Send Invoice to: Whitestone - PAT B
1d) Send Report to: Whitestone - PAT B

Project Information

2a) Project: EJ1111829.002
2b) Project Mgr: C. Seib
2c) Project Location (City/State): Bronx, NY
2d) Quote/PO # (If Applicable): —

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Deliv.
24 Hours (100%)	Data Summary	Hazsite/CSV
48 Hours (75%)	Waste	EQuIS 4-File / EZ / NYS
72 Hours (50%)	Red NJ / NY PA	EQuIS EPA Region 2 or 5
4 Days (35%; TPH)	CLP	Excel - NJ Regulatory
1 Week (25%; EPH)	Full / Category B	Excel - NY Regulatory
10 Days (10%)	Category A	Excel - PA Regulatory
2 Weeks	Other:	PDF
Other:		Other:

Expedited TAT Not Always Available. Please Check with Lab.

FOR LAB USE ONLY ↓

Batch #

Check If Contingent ===>

<=== Check If Contingent

Matrix Codes
DW - Drinking Water, S - Soil, A - Air
GW - Ground Water, SL - Sludge
WW - Waste Water, OL - Oil
OT - Other (please specify under item 9, Comments)

7) Analysis Request / 8) # of Bottles

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Composite (C)	Grab (G)	PCB	Pesticides	Metals	VOC	SVOC	None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
AC67152 -001	MW-1A	S	7/16/12	1040		X	X	X	X	X	X	2								
-002	MW-2A	S	7/16/12	1450		X	X	X	X	X	X	2								
-003	MW-3A	S	7/17/12	950		X	X	X	X	X	X	2								
-004	MW-4A	S	7/17/12	1520		X	X	X	X	X	X	2								
-005	MW-1B	S	7/16/12	1045		X	X	X	X	X	X	2								
-006	MW-2B	S	7/16/12	1455		X	X	X	X	X	X	2								
-007	MW-3B	S	7/17/12	955		X	X	X	X	X	X	2								
-008	MW-4B	S	7/17/12	1530		X	X	X	X	X	X	2								
-009	MW-4A(ORD)	S	7/17/12	1520		X	X	X	X	X	X	2								

10) Relinquished by:	Accepted by:	Date	Time
Pat Beesl	[signature]	7/18/12	1045
[signature]	[signature]	7/18/12	1700

Additional Notes

Comments, Notes, Special Requirements, HAZARDS

Note: Check if low-level groundwater methods required to meet current standards in NJ or PA:
- ☐ BN or BNA (8270C SIM)
- ☐ VOC (8260B SIM or 8011)
- ☐ Metals (ICP-MS 200.8 or 6020)
- ☐ Metals-Soil (ICP-MS 6020 for Be & Ag)

Note: Check if applicable:
- ☐ Project-Specific Reporting Limits
- ☐ High Contaminant Concentrations
- ☐ NJ LSRP Project

Cooler Temperature: 3.6 °C

11) Sampler (print name): Patrick Beesley Date: 7/18/12

Please circle required parameter list (refer to HC-V summary): i) NJ 2008 SRS; ii) Current TCL; iii) HC-V 2010 Merged; iv) PA; v) NY; vi) Project-Specific

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.

CONDITION UPON RECEIPT

Batch Number AC67152

Entered By: children
Date Entered 7/18/2012 5:23:00 PM

1	Yes	Is there a corresponding COC included with the samples?
2	Yes	Are the samples in a container such as a cooler or Ice chest?
3	NO	Are the COC seals intact?
4	Yes	Please specify the Temperature inside the container (in degC) 3.6
5	Yes	Are the samples refrigerated (where required)/have they arrived on ice?
6	Yes	Are the samples within the holding times for the parameters listed on the COC? IF no, list parameters and samples:
7	Yes	Are all of the sample bottles intact? If no, specify sample numbers broken/leaking
8	Yes	Are all of the sample labels or numbers legible? If no specify:
9	Yes	Do the contents match the COC? If no, specify
10	Yes	Is there enough sample sent for the analyses listed on the COC? If no, specify:
11	Yes	Are samples preserved correctly?
12	Yes	Was temperature blank present (Place comment below if not)? If not was temperature of samples verified?
13	NA	Other comments ...Specify
14	NA	Corrective actions (Specify item number and corrective action taken).

Internal Chain of Custody

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis
AC67152-001	07/18/12 17:00	CHILD	0	M	Received
AC67152-001	07/18/12 17:23	CHILD	0	M	Login
AC67152-001	07/18/12 17:36	R12	1	A	NONE
AC67152-001	07/19/12 21:29	PA	1	A	mixing
AC67152-001	07/19/12 21:30	R12	1	A	NONE
AC67152-001	07/20/12 08:43	DW	1	A	% SOLIDS
AC67152-001	07/20/12 10:59	PH	1	A	tdsi-hg
AC67152-001	07/20/12 12:17	R12	1	A	NONE
AC67152-001	07/26/12 14:44	HJ	1	A	bn
AC67152-001	07/26/12 14:49	R12	1	A	NONE
AC67152-001	07/30/12 09:21	BINIT	1	A	pest/pcb
AC67152-001	07/30/12 13:24	R12	1	A	NONE
AC67152-001	07/19/12 08:16	R30	2	A	NONE
AC67152-001	07/20/12 10:41	ABM	2	A	VOA
AC67152-001	07/20/12 12:51	R30	2	A	NONE
AC67152-001	07/20/12 17:34	R31	4	A	NONE
AC67152-002	07/18/12 17:00	CHILD	0	M	Received
AC67152-002	07/18/12 17:23	CHILD	0	M	Login
AC67152-002	07/18/12 17:36	R12	1	A	NONE
AC67152-002	07/19/12 21:29	PA	1	A	mixing
AC67152-002	07/19/12 21:30	R12	1	A	NONE
AC67152-002	07/20/12 08:43	DW	1	A	% SOLIDS
AC67152-002	07/20/12 10:59	PH	1	A	tdsi-hg
AC67152-002	07/20/12 12:17	R12	1	A	NONE
AC67152-002	07/26/12 14:44	HJ	1	A	bn
AC67152-002	07/26/12 14:49	R12	1	A	NONE
AC67152-002	07/30/12 09:21	BINIT	1	A	pest/pcb
AC67152-002	07/30/12 13:24	R12	1	A	NONE
AC67152-002	07/19/12 08:16	R30	2	A	NONE
AC67152-002	07/20/12 10:41	ABM	2	A	VOA
AC67152-002	07/20/12 12:51	R30	2	A	NONE
AC67152-002	07/20/12 12:48	F19	3	A	NONE
AC67152-002	07/22/12 11:45	WP	3	A	VOA
AC67152-002	07/20/12 17:31	ABM	4	A	VOA
AC67152-002	07/20/12 17:34	R31	4	A	NONE
AC67152-003	07/18/12 17:00	CHILD	0	M	Received
AC67152-003	07/18/12 17:23	CHILD	0	M	Login
AC67152-003	07/18/12 17:36	R12	1	A	NONE
AC67152-003	07/19/12 21:29	PA	1	A	mixing
AC67152-003	07/19/12 21:30	R12	1	A	NONE
AC67152-003	07/20/12 08:43	DW	1	A	% SOLIDS
AC67152-003	07/20/12 10:59	PH	1	A	tdsi-hg
AC67152-003	07/20/12 12:17	R12	1	A	NONE
AC67152-003	07/30/12 16:45	HJ	1	A	bn
AC67152-003	07/30/12 16:46	R12	1	A	NONE
AC67152-003	07/31/12 09:25	BINIT	1	A	pest/pcb
AC67152-003	07/31/12 17:21	R12	1	A	NONE
AC67152-003	07/19/12 08:16	R30	2	A	NONE
AC67152-003	07/20/12 10:41	ABM	2	A	VOA
AC67152-003	07/20/12 12:51	R30	2	A	NONE
AC67152-003	07/20/12 11:40	F18	3	A	NONE
AC67152-003	07/20/12 11:40	ABM	3	A	VOA
AC67152-003	07/20/12 17:34	R31	4	A	NONE
AC67152-004	07/18/12 17:00	CHILD	0	M	Received
AC67152-004	07/18/12 17:23	CHILD	0	M	Login
AC67152-004	07/18/12 17:36	R12	1	A	NONE
AC67152-004	07/19/12 21:29	PA	1	A	mixing
AC67152-004	07/19/12 21:30	R12	1	A	NONE
AC67152-004	07/20/12 08:43	DW	1	A	% SOLIDS
AC67152-004	07/20/12 10:59	PH	1	A	tdsi-hg
AC67152-004	07/20/12 12:17	R12	1	A	NONE
AC67152-004	07/30/12 16:45	HJ	1	A	bn
AC67152-004	07/30/12 16:46	R12	1	A	NONE
AC67152-004	07/31/12 09:25	BINIT	1	A	pest/pcb
AC67152-004	07/31/12 17:21	R12	1	A	NONE
AC67152-004	07/19/12 08:16	R30	2	A	NONE
AC67152-004	07/20/12 10:41	ABM	2	A	VOA
AC67152-004	07/20/12 12:51	R30	2	A	NONE
AC67152-004	07/20/12 11:40	ABM	3	A	VOA
AC67152-004	07/20/12 11:40	F18	3	A	NONE
AC67152-004	07/20/12 17:34	R31	4	A	NONE
AC67152-005	07/18/12 17:00	CHILD	0	M	Received
AC67152-005	07/18/12 17:23	CHILD	0	M	Login
AC67152-005	07/18/12 17:36	R12	1	A	NONE
AC67152-005	07/19/12 21:29	PA	1	A	mixing

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis
AC67152-005	07/19/12 21:30	R12	1	A	NONE
AC67152-005	07/20/12 08:43	DW	1	A	% SOLIDS
AC67152-005	07/20/12 10:59	PH	1	A	tdsi-hg
AC67152-005	07/20/12 12:17	R12	1	A	NONE
AC67152-005	07/26/12 14:44	HJ	1	A	bn
AC67152-005	07/26/12 14:49	R12	1	A	NONE
AC67152-005	07/30/12 09:21	BINIT	1	A	pest/pcb
AC67152-005	07/30/12 13:24	R12	1	A	NONE
AC67152-005	07/19/12 08:16	R30	2	A	NONE
AC67152-005	07/20/12 10:41	ABM	2	A	VOA
AC67152-005	07/20/12 12:51	R30	2	A	NONE
AC67152-005	07/20/12 12:48	F19	3	A	NONE
AC67152-005	07/22/12 12:42	WP	3	A	VOA
AC67152-005	07/20/12 17:31	ABM	4	A	VOA
AC67152-005	07/20/12 17:34	R31	4	A	NONE
AC67152-006	07/18/12 17:00	CHILD	0	M	Received
AC67152-006	07/18/12 17:23	CHILD	0	M	Login
AC67152-006	07/18/12 17:36	R12	1	A	NONE
AC67152-006	07/19/12 21:29	PA	1	A	mixing
AC67152-006	07/19/12 21:30	R12	1	A	NONE
AC67152-006	07/20/12 08:43	DW	1	A	% SOLIDS
AC67152-006	07/20/12 10:59	PH	1	A	tdsi-hg
AC67152-006	07/20/12 12:17	R12	1	A	NONE
AC67152-006	07/26/12 14:44	HJ	1	A	bn
AC67152-006	07/26/12 14:49	R12	1	A	NONE
AC67152-006	07/30/12 09:21	BINIT	1	A	pest/pcb
AC67152-006	07/30/12 13:24	R12	1	A	NONE
AC67152-006	07/19/12 08:16	R30	2	A	NONE
AC67152-006	07/20/12 10:41	ABM	2	A	VOA
AC67152-006	07/20/12 12:51	R30	2	A	NONE
AC67152-006	07/23/12 11:48	ABM	2	A	voa
AC67152-006	07/23/12 11:49	R30	2	A	NONE
AC67152-006	07/20/12 12:48	F19	3	A	NONE
AC67152-006	07/22/12 12:42	WP	3	A	VOA
AC67152-006	07/20/12 17:31	ABM	4	A	VOA
AC67152-006	07/20/12 17:34	R31	4	A	NONE
AC67152-006	07/23/12 16:42	ABM	4	A	VOA
AC67152-006	07/23/12 16:44	R31	4	A	NONE
AC67152-006	07/23/12 11:49	F18	5	A	none
AC67152-006	07/23/12 12:31	WP	5	A	VOA
AC67152-007	07/18/12 17:00	CHILD	0	M	Received
AC67152-007	07/18/12 17:23	CHILD	0	M	Login
AC67152-007	07/18/12 17:36	R12	1	A	NONE
AC67152-007	07/19/12 21:29	PA	1	A	mixing
AC67152-007	07/19/12 21:30	R12	1	A	NONE
AC67152-007	07/20/12 08:43	DW	1	A	% SOLIDS
AC67152-007	07/20/12 10:59	PH	1	A	tdsi-hg
AC67152-007	07/20/12 12:17	R12	1	A	NONE
AC67152-007	07/30/12 16:45	HJ	1	A	bn
AC67152-007	07/30/12 16:46	R12	1	A	NONE
AC67152-007	07/31/12 09:25	BINIT	1	A	pest/pcb
AC67152-007	07/31/12 17:21	R12	1	A	NONE
AC67152-007	07/19/12 08:16	R30	2	A	NONE
AC67152-007	07/20/12 10:41	ABM	2	A	VOA
AC67152-007	07/20/12 12:51	R30	2	A	NONE
AC67152-007	07/20/12 12:48	F19	3	A	NONE
AC67152-007	07/22/12 12:42	WP	3	A	VOA
AC67152-007	07/20/12 17:31	ABM	4	A	VOA
AC67152-007	07/20/12 17:34	R31	4	A	NONE
AC67152-008	07/18/12 17:00	CHILD	0	M	Received
AC67152-008	07/18/12 17:23	CHILD	0	M	Login
AC67152-008	07/18/12 17:36	R12	1	A	NONE
AC67152-008	07/19/12 21:29	PA	1	A	mixing
AC67152-008	07/19/12 21:30	R12	1	A	NONE
AC67152-008	07/20/12 08:43	DW	1	A	% SOLIDS
AC67152-008	07/20/12 10:59	PH	1	A	tdsi-hg
AC67152-008	07/20/12 12:17	R12	1	A	NONE
AC67152-008	07/30/12 16:45	HJ	1	A	bn
AC67152-008	07/30/12 16:46	R12	1	A	NONE
AC67152-008	07/31/12 09:25	BINIT	1	A	pest/pcb
AC67152-008	07/31/12 17:21	R12	1	A	NONE
AC67152-008	07/19/12 08:16	R30	2	A	NONE
AC67152-008	07/20/12 10:41	ABM	2	A	VOA
AC67152-008	07/20/12 12:51	R30	2	A	NONE
AC67152-008	07/20/12 12:48	F19	3	A	NONE

Samples marked as received are stored in coolers or refrigerator R12, or R24 at 4 deg C until Login

Internal Chain of Custody

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis
AC67152-008	07/22/12 12:42	WP	3	A	VOA
AC67152-008	07/20/12 17:31	ABM	4	A	VOA
AC67152-008	07/20/12 17:34	R31	4	A	NONE
AC67152-009	07/18/12 17:00	CHILD	0	M	Received
AC67152-009	07/18/12 17:23	CHILD	0	M	Login
AC67152-009	07/18/12 17:36	R12	1	A	NONE
AC67152-009	07/19/12 21:29	PA	1	A	mixing
AC67152-009	07/19/12 21:30	R12	1	A	NONE
AC67152-009	07/20/12 08:43	DW	1	A	% SOLIDS
AC67152-009	07/20/12 10:59	PH	1	A	tdsi-hg
AC67152-009	07/20/12 12:17	R12	1	A	NONE
AC67152-009	07/30/12 16:45	HJ	1	A	bn
AC67152-009	07/30/12 16:46	R12	1	A	NONE
AC67152-009	07/31/12 09:25	BINIT	1	A	pest/pcb
AC67152-009	07/31/12 17:21	R12	1	A	NONE
AC67152-009	07/19/12 08:16	R30	2	A	NONE
AC67152-009	07/20/12 10:41	ABM	2	A	VOA
AC67152-009	07/20/12 12:51	R30	2	A	NONE
AC67152-009	07/20/12 12:48	F19	3	A	NONE
AC67152-009	07/22/12 12:42	WP	3	A	VOA
AC67152-009	07/20/12 17:31	ABM	4	A	VOA
AC67152-009	07/20/12 17:34	R31	4	A	NONE

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis

Samples marked as received are stored in coolers or refrigerator R12, or R24 at 4 deg C until Login

Volatile Data

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC67152-001
Client Id: MW-1 A
Data File: 6M86267.D
Analysis Date: 07/20/12 11:36
Date Rec/Extracted: 07/18/12-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5.09g
Final Vol: NA
Dilution: 0.982
Solids: 93

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0021	U	56-23-5	Carbon Tetrachloride	0.0021	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0021	U	108-90-7	Chlorobenzene	0.0021	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0021	U	75-00-3	Chloroethane	0.0021	U
79-00-5	1,1,2-Trichloroethane	0.0021	U	67-66-3	Chloroform	0.0021	U
75-34-3	1,1-Dichloroethane	0.0021	U	74-87-3	Chloromethane	0.0021	U
75-35-4	1,1-Dichloroethene	0.0021	U	156-59-2	cis-1,2-Dichloroethene	0.0021	U
96-18-4	1,2,3-Trichloropropane	0.0021	U	10061-01-5	cis-1,3-Dichloropropene	0.0021	U
95-63-6	1,2,4-Trimethylbenzene	0.0011	U	124-48-1	Dibromochloromethane	0.0021	U
95-50-1	1,2-Dichlorobenzene	0.0021	U	75-71-8	Dichlorodifluoromethane	0.0021	U
107-06-2	1,2-Dichloroethane	0.0021	U	100-41-4	Ethylbenzene	0.0011	U
78-87-5	1,2-Dichloropropane	0.0021	U	98-82-8	Isopropylbenzene	0.0011	U
108-67-8	1,3,5-Trimethylbenzene	0.0011	U	136777612	m&p-Xylenes	0.0011	U
541-73-1	1,3-Dichlorobenzene	0.0021	U	**75-09-2**	**Methylene Chloride**	**0.0021**	**0.0024**
142-28-9	1,3-Dichloropropane	0.0021	U	1634-04-4	Methyl-t-butyl ether	0.0011	U
106-46-7	1,4-Dichlorobenzene	0.0021	U	104-51-8	n-Butylbenzene	0.0011	U
123-91-1	1,4-Dioxane	0.11	U	103-65-1	n-Propylbenzene	0.0011	U
78-93-3	2-Butanone	0.0021	U	95-47-6	o-Xylene	0.0011	U
110-75-8	2-Chloroethylvinylether	0.0021	U	135-98-8	sec-Butylbenzene	0.0011	U
591-78-6	2-Hexanone	0.0021	U	100-42-5	Styrene	0.0021	U
99-87-6	4-Isopropyltoluene	0.0011	U	75-65-0	t-Butyl Alcohol	0.011	U
108-10-1	4-Methyl-2-Pentanone	0.0021	U	98-06-6	t-Butylbenzene	0.0011	U
67-64-1	Acetone	0.011	U	127-18-4	Tetrachloroethene	0.0021	U
107-02-8	Acrolein	0.011	U	108-88-3	Toluene	0.0011	U
107-13-1	Acrylonitrile	0.0053	U	156-60-5	trans-1,2-Dichloroethene	0.0021	U
71-43-2	Benzene	0.0011	U	10061-02-6	trans-1,3-Dichloropropene	0.0021	U
75-27-4	Bromodichloromethane	0.0021	U	79-01-6	Trichloroethene	0.0021	U
75-25-2	Bromoform	0.0021	U	75-69-4	Trichlorofluoromethane	0.0021	U
74-83-9	Bromomethane	0.0021	U	75-01-4	Vinyl Chloride	0.0021	U
75-15-0	Carbon Disulfide	0.0021	U	1330-20-7	Xylenes (Total)	0.0011	U

Worksheet #: 235016

Total Target Concentration 0.0024

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

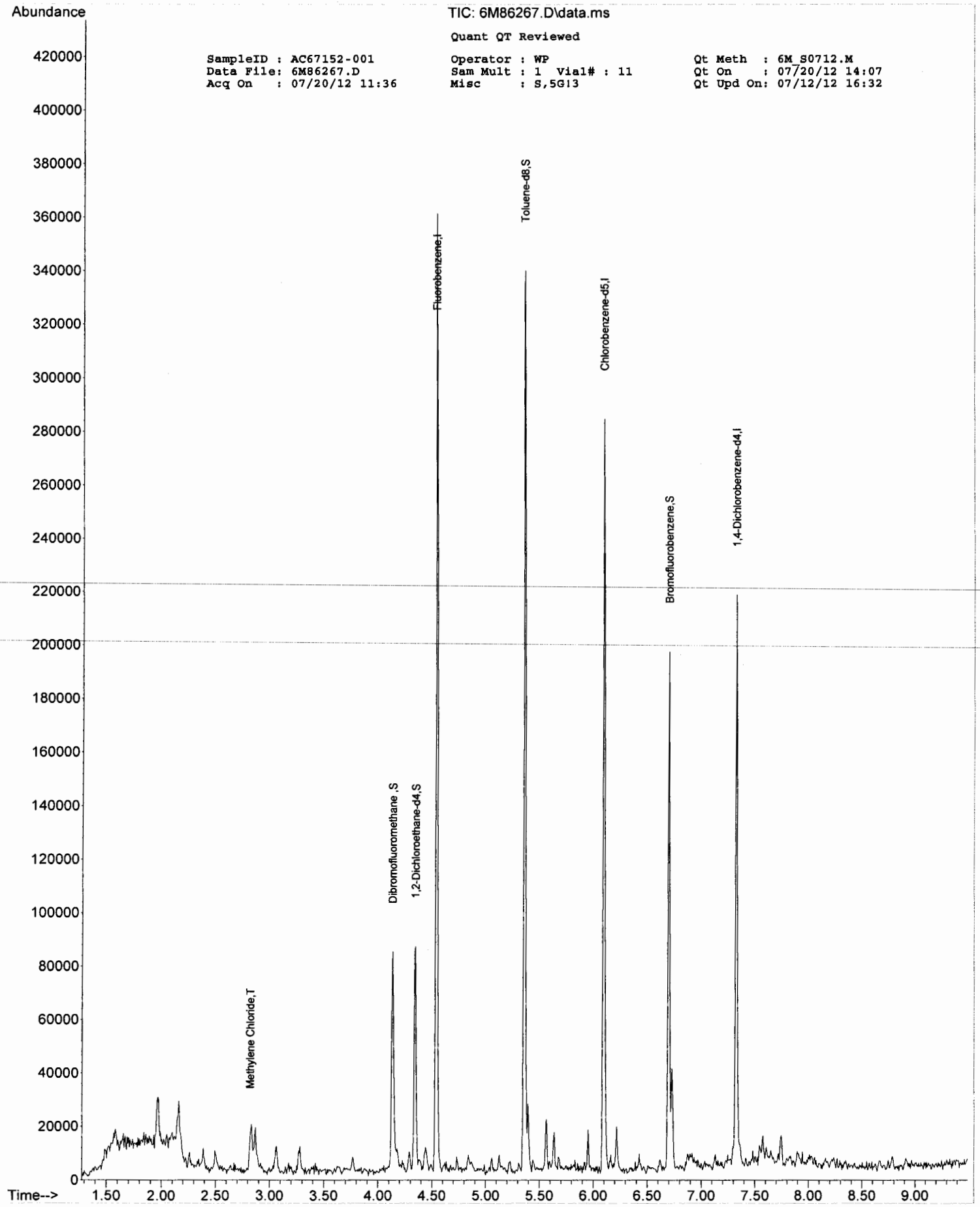
Quantitation Report (QT Reviewed)

SampleID : AC67152-001 Operator : WP Qt Meth : 6M_S0712.M
Data File: 6M86267.D Sam Mult : 1 Vial# : 11 Qt On : 07/20/12 14:07
Acq On : 07/20/12 11:36 Misc : S,5G!3 Qt Upd On: 07/12/12 16:32

Data Path : G:\GcMsData\2012\gcms_6\Data\07-20-12\
Qt Path : G:\GCMSDATA\2012\gcms_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.538	96	160145	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.097	117	90632	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.324	152	37414	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.135	111	36438	32.56	ug/l	0.00
Spiked Amount 30.000			Recovery = 108.53%			
38) 1,2-Dichloroethane-d4	4.345	67	18982	30.01	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.03%			
65) Toluene-d8	5.362	98	135115	25.32	ug/l	0.00
Spiked Amount 30.000			Recovery = 84.40%			
75) Bromofluorobenzene	6.699	174	35909	28.53	ug/l	0.00
Spiked Amount 30.000			Recovery = 95.10%			
Target Compounds						Qvalue
15) Methylene Chloride	2.823	84	5955	2.2960	ug/l	82

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 6M86267.D\data.ms
Quant QT Reviewed
SampleID : AC67152-001
Data File: 6M86267.D
Acq On : 07/20/12 11:36
Operator : WP
Sam Mult : 1 Vial# : 11
Misc : S,5G!3
Qt Meth : 6M_S0712.M
Qt On : 07/20/12 14:07
Qt Upd On: 07/12/12 16:32
Methylene Chloride,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC67152-002
Client Id: MW-2 A
Data File: 6M86350.D
Analysis Date: 07/22/12 20:48
Date Rec/Extracted: 07/18/12-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5.13g
Final Vol: NA
Dilution: 0.975
Solids: 92

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0021	U	56-23-5	Carbon Tetrachloride	0.0021	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0021	U	108-90-7	Chlorobenzene	0.0021	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0021	U	75-00-3	Chloroethane	0.0021	U
79-00-5	1,1,2-Trichloroethane	0.0021	U	67-66-3	Chloroform	0.0021	U
75-34-3	1,1-Dichloroethane	0.0021	U	74-87-3	Chloromethane	0.0021	U
75-35-4	1,1-Dichloroethene	0.0021	U	**156-59-2**	**cis-1,2-Dichloroethene**	**0.0021**	**0.0037**
96-18-4	1,2,3-Trichloropropane	0.0021	U	10061-01-5	cis-1,3-Dichloropropene	0.0021	U
95-63-6	**1,2,4-Trimethylbenzene**	**0.0011**	**0.064**	124-48-1	Dibromochloromethane	0.0021	U
95-50-1	1,2-Dichlorobenzene	0.0021	U	75-71-8	Dichlorodifluoromethane	0.0021	U
107-06-2	1,2-Dichloroethane	0.0021	U	**100-41-4**	**Ethylbenzene**	**0.0011**	**0.016**
78-87-5	1,2-Dichloropropane	0.0021	U	98-82-8	Isopropylbenzene	0.0011	U
108-67-8	**1,3,5-Trimethylbenzene**	**0.0011**	**0.036**	**136777612**	**m&p-Xylenes**	**0.0011**	**0.098**
541-73-1	1,3-Dichlorobenzene	0.0021	U	**75-09-2**	**Methylene Chloride**	**0.0021**	**0.0023**
142-28-9	1,3-Dichloropropane	0.0021	U	1634-04-4	Methyl-t-butyl ether	0.0011	U
106-46-7	1,4-Dichlorobenzene	0.0021	U	104-51-8	n-Butylbenzene	0.0011	U
123-91-1	1,4-Dioxane	0.11	U	**103-65-1**	**n-Propylbenzene**	**0.0011**	**0.0040**
78-93-3	2-Butanone	0.0021	U	**95-47-6**	**o-Xylene**	**0.0011**	**0.082**
110-75-8	2-Chloroethylvinylether	0.0021	U	135-98-8	sec-Butylbenzene	0.0011	U
591-78-6	2-Hexanone	0.0021	U	100-42-5	Styrene	0.0021	U
99-87-6	**4-Isopropyltoluene**	**0.0011**	**0.027**	**75-65-0**	**t-Butyl Alcohol**	**0.011**	**0.033**
108-10-1	4-Methyl-2-Pentanone	0.0021	U	98-06-6	t-Butylbenzene	0.0011	U
67-64-1	Acetone	0.011	U	**127-18-4**	**Tetrachloroethene**	**0.0021**	**0.0044**
107-02-8	Acrolein	0.011	U	**108-88-3**	**Toluene**	**0.0011**	**0.0011**
107-13-1	Acrylonitrile	0.0053	U	156-60-5	trans-1,2-Dichloroethene	0.0021	U
71-43-2	Benzene	0.0011	U	10061-02-6	trans-1,3-Dichloropropene	0.0021	U
75-27-4	Bromodichloromethane	0.0021	U	**79-01-6**	**Trichloroethene**	**0.0021**	**0.0027**
75-25-2	Bromoform	0.0021	U	75-69-4	Trichlorofluoromethane	0.0021	U
74-83-9	Bromomethane	0.0021	U	75-01-4	Vinyl Chloride	0.0021	U
75-15-0	Carbon Disulfide	0.0021	U	**1330-20-7**	**Xylenes (Total)**	**0.0011**	**0.18**

Worksheet #: 235016 ***Total Target Concentration*** 0.37 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

2071832 0059

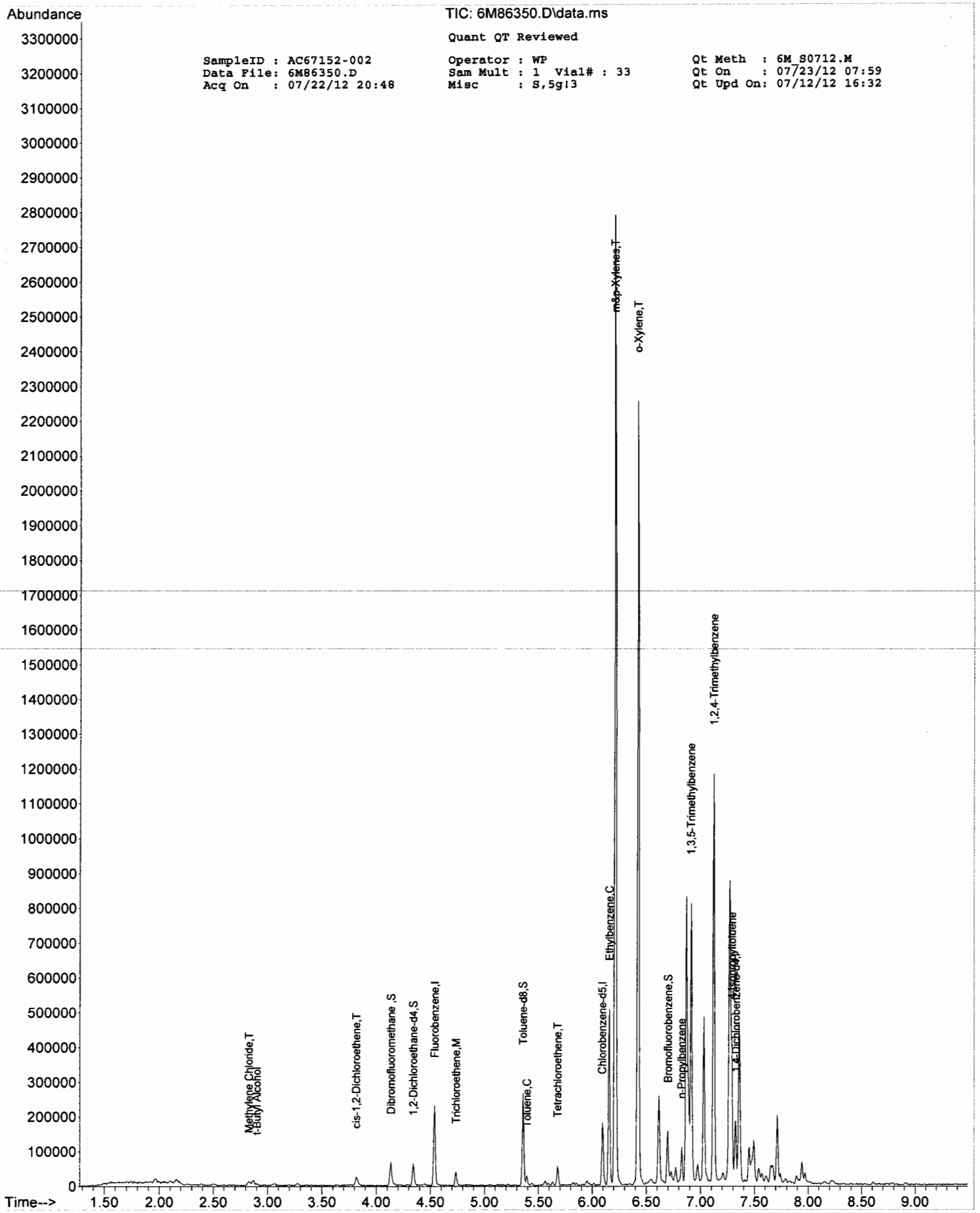
SampleID : AC67152-002 Operator : WP Qt Meth : 6M_S0712.M
Data File: 6M86350.D Sam Mult : 1 Vial# : 33 Qt On : 07/23/12 07:59
Acq On : 07/22/12 20:48 Misc : S,5g!3 Qt Upd On: 07/12/12 16:32

Data Path : G:\GcMsData\2012\gcms_6\Data\07-22-12\
Qt Path : G:\GCMSDATA\2012\gcms_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.539	96	114494	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.091	117	56619	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.325	152	32337	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.135	111	26825	33.53	ug/l	0.00
Spiked Amount 30.000			Recovery = 111.77%			
38) 1,2-Dichloroethane-d4	4.340	67	13408	29.65	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.83%			
65) Toluene-d8	5.357	98	94191	28.25	ug/l	0.00
Spiked Amount 30.000			Recovery = 94.17%			
75) Bromofluorobenzene	6.699	174	29123	26.77	ug/l	0.00
Spiked Amount 30.000			Recovery = 89.23%			
Target Compounds						Qvalue
15) Methylene Chloride	2.829	84	4020	2.1680	ug/l	73
21) t-Butyl Alcohol	2.902	59	1738	30.8195	ug/l	50
29) cis-1,2-Dichloroethene	3.816	61	13146	3.4868	ug/l	82
48) Trichloroethene	4.737	130	6359	2.5091	ug/l	77
64) Tetrachloroethene	5.676	164	7674	4.1288	ug/l	84
66) Toluene	5.393	92	5570	1.0608	ug/l	88
73) Ethylbenzene	6.158	106	52088	15.2953	ug/l	84
77) m&p-Xylenes	6.212	106	376001	92.0743	ug/l	91
78) o-Xylene	6.422	106	295554	77.2402	ug/l	91
90) n-Propylbenzene	6.826	91	45450	3.8037	ug/l	94
92) 1,3,5-Trimethylbenzene	6.910	105	262620	34.2561	ug/l	93
95) 1,2,4-Trimethylbenzene	7.121	105	409743	60.5974	ug/l	97
97) 4-Isopropyltoluene	7.289	119	152655	25.0180	ug/l	76

(#) = qualifier out of range (m) = manual integration (+) = signals summed

lc


Abundance
TIC: 6M86350.D\data.ms
Quant QT Reviewed
SampleID : AC67152-002
Data File: 6M86350.D
Acq On : 07/22/12 20:48
Operator : WP
Sam Mult : 1 Vial# : 33
Misc : S,5g|3
Qt Meth : 6M_S0712.M
Qt On : 07/23/12 07:59
Qt Upd On: 07/12/12 16:32
m&p-Xylenes,T
o-Xylene,T
1,2,4-Trimethylbenzene
1,3,5-Trimethylbenzene
Ethylbenzene,C
Chlorobenzene-d5,I
Bromofluorobenzene,S
n-Propylbenzene
1,4-Dichlorobenzene-d4,I
Toluene-d8,S
Toluene,C
Tetrachloroethene,T
Fluorobenzene,I
Trichloroethene,M
1,2-Dichloroethane-d4,S
Dibromofluoromethane ,S
cis-1,2-Dichloroethene,T
Methylene Chloride,T
t-Butyl Alcohol
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC67152-003
Client Id: MW-3 A
Data File: 6M86270.D
Analysis Date: 07/20/12 12:25
Date Rec/Extracted: 07/18/12-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5.03g
Final Vol: NA
Dilution: 0.994
Solids: 90

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0022	U	56-23-5	Carbon Tetrachloride	0.0022	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0022	U	108-90-7	Chlorobenzene	0.0022	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0022	U	75-00-3	Chloroethane	0.0022	U
79-00-5	1,1,2-Trichloroethane	0.0022	U	67-66-3	Chloroform	0.0022	U
75-34-3	1,1-Dichloroethane	0.0022	U	74-87-3	Chloromethane	0.0022	U
75-35-4	1,1-Dichloroethene	0.0022	U	156-59-2	cis-1,2-Dichloroethene	0.0022	U
96-18-4	1,2,3-Trichloropropane	0.0022	U	10061-01-5	cis-1,3-Dichloropropene	0.0022	U
95-63-6	1,2,4-Trimethylbenzene	0.0011	U	124-48-1	Dibromochloromethane	0.0022	U
95-50-1	1,2-Dichlorobenzene	0.0022	U	75-71-8	Dichlorodifluoromethane	0.0022	U
107-06-2	1,2-Dichloroethane	0.0022	U	100-41-4	Ethylbenzene	0.0011	U
78-87-5	1,2-Dichloropropane	0.0022	U	98-82-8	Isopropylbenzene	0.0011	U
108-67-8	1,3,5-Trimethylbenzene	0.0011	U	136777612	m&p-Xylenes	0.0011	U
541-73-1	1,3-Dichlorobenzene	0.0022	U	**75-09-2**	**Methylene Chloride**	**0.0022**	**0.0026**
142-28-9	1,3-Dichloropropane	0.0022	U	1634-04-4	Methyl-t-butyl ether	0.0011	U
106-46-7	1,4-Dichlorobenzene	0.0022	U	104-51-8	n-Butylbenzene	0.0011	U
123-91-1	1,4-Dioxane	0.11	U	103-65-1	n-Propylbenzene	0.0011	U
78-93-3	2-Butanone	0.0022	U	95-47-6	o-Xylene	0.0011	U
110-75-8	2-Chloroethylvinylether	0.0022	U	135-98-8	sec-Butylbenzene	0.0011	U
591-78-6	2-Hexanone	0.0022	U	100-42-5	Styrene	0.0022	U
99-87-6	4-Isopropyltoluene	0.0011	U	75-65-0	t-Butyl Alcohol	0.011	U
108-10-1	4-Methyl-2-Pentanone	0.0022	U	98-06-6	t-Butylbenzene	0.0011	U
67-64-1	Acetone	0.011	U	127-18-4	Tetrachloroethene	0.0022	U
107-02-8	Acrolein	0.011	U	108-88-3	Toluene	0.0011	U
107-13-1	Acrylonitrile	0.0055	U	156-60-5	trans-1,2-Dichloroethene	0.0022	U
71-43-2	Benzene	0.0011	U	10061-02-6	trans-1,3-Dichloropropene	0.0022	U
75-27-4	Bromodichloromethane	0.0022	U	79-01-6	Trichloroethene	0.0022	U
75-25-2	Bromoform	0.0022	U	75-69-4	Trichlorofluoromethane	0.0022	U
74-83-9	Bromomethane	0.0022	U	75-01-4	Vinyl Chloride	0.0022	U
75-15-0	Carbon Disulfide	0.0022	U	1330-20-7	Xylenes (Total)	0.0011	U

Worksheet #: 235016

Total Target Concentration 0.0026

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

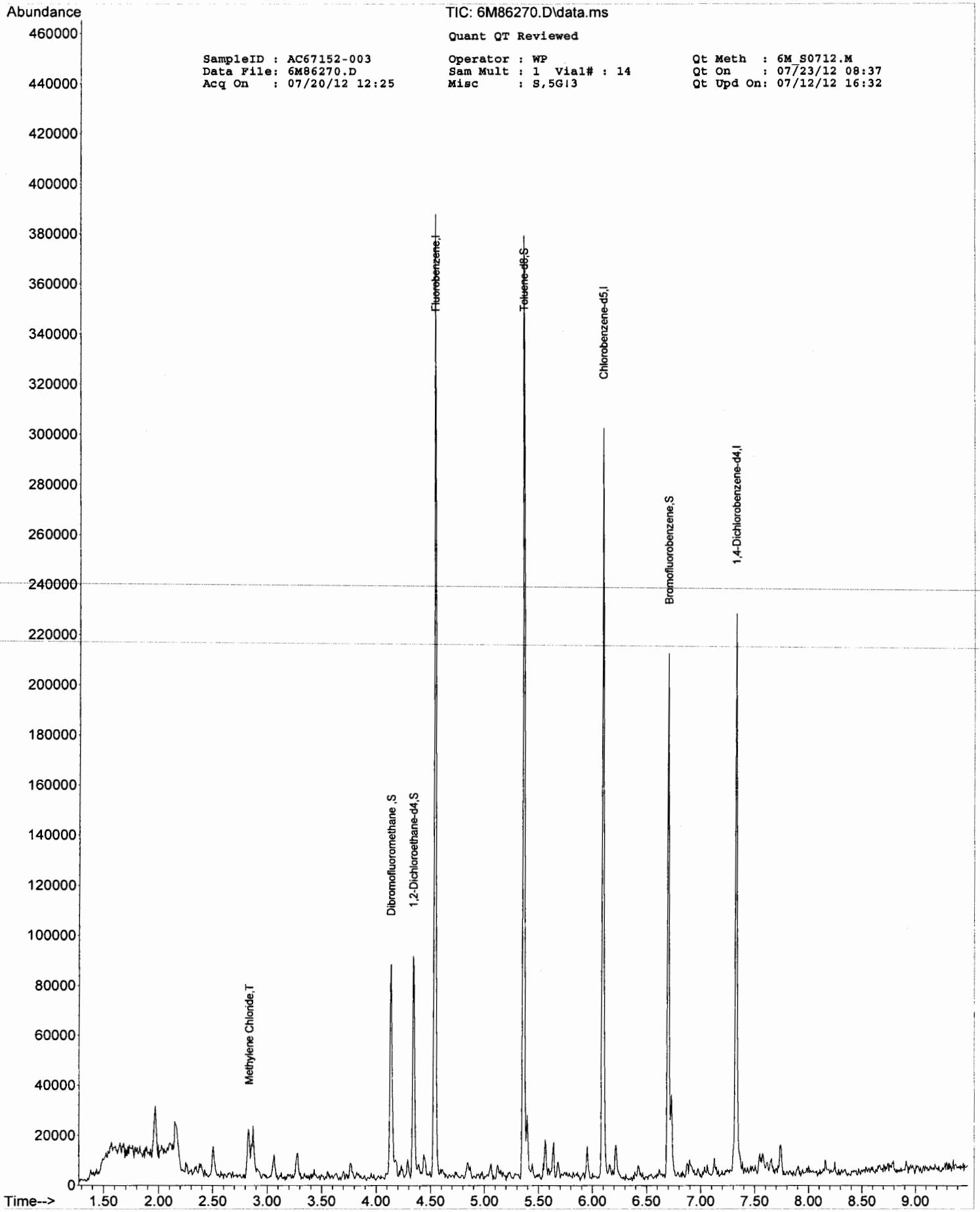
2071832 0062

SampleID : AC67152-003 Operator : WP Qt Meth : 6M_S0712.M
Data File: 6M86270.D Sam Mult : 1 Vial# : 14 Qt On : 07/23/12 08:37
Acq On : 07/20/12 12:25 Misc : S,5G!3 Qt Upd On: 07/12/12 16:32

Data Path : G:\GcMsData\2012\gcms_6\Data\07-20-12\
Qt Path : G:\GCMSDATA\2012\gcms_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.539	96	169177	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.098	117	95691	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.325	152	40900	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.135	111	36216	30.64	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.13%			
38) 1,2-Dichloroethane-d4	4.340	67	22005	32.93	ug/l	0.00
Spiked Amount 30.000			Recovery = 109.77%			
65) Toluene-d8	5.357	98	145866	25.88	ug/l	0.00
Spiked Amount 30.000			Recovery = 86.27%			
75) Bromofluorobenzene	6.699	174	38633	28.08	ug/l	0.00
Spiked Amount 30.000			Recovery = 93.60%			
Target Compounds						Qvalue
15) Methylene Chloride	2.835	84	6385	2.3304	ug/l	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 6M86270.D\data.ms
Quant QT Reviewed
SampleID : AC67152-003
Data File: 6M86270.D
Acq On : 07/20/12 12:25
Operator : WP
Sam Mult : 1 Vial# : 14
Misc : S,5G13
Qt Meth : 6M_S0712.M
Qt On : 07/23/12 08:37
Qt Upd On: 07/12/12 16:32
Methylene Chloride,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC67152-004
Client Id: MW-4 A
Data File: 6M86271.D
Analysis Date: 07/20/12 12:41
Date Rec/Extracted: 07/18/12-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5.08g
Final Vol: NA
Dilution: 0.984
Solids: 89

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0022	U	56-23-5	Carbon Tetrachloride	0.0022	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0022	U	108-90-7	Chlorobenzene	0.0022	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0022	U	75-00-3	Chloroethane	0.0022	U
79-00-5	1,1,2-Trichloroethane	0.0022	U	67-66-3	Chloroform	0.0022	U
75-34-3	1,1-Dichloroethane	0.0022	U	74-87-3	Chloromethane	0.0022	U
75-35-4	1,1-Dichloroethene	0.0022	U	156-59-2	cis-1,2-Dichloroethene	0.0022	U
96-18-4	1,2,3-Trichloropropane	0.0022	U	10061-01-5	cis-1,3-Dichloropropene	0.0022	U
95-63-6	1,2,4-Trimethylbenzene	0.0011	U	124-48-1	Dibromochloromethane	0.0022	U
95-50-1	1,2-Dichlorobenzene	0.0022	U	75-71-8	Dichlorodifluoromethane	0.0022	U
107-06-2	1,2-Dichloroethane	0.0022	U	100-41-4	Ethylbenzene	0.0011	U
78-87-5	1,2-Dichloropropane	0.0022	U	98-82-8	Isopropylbenzene	0.0011	U
108-67-8	1,3,5-Trimethylbenzene	0.0011	U	136777612	m&p-Xylenes	0.0011	U
541-73-1	1,3-Dichlorobenzene	0.0022	U	75-09-2	Methylene Chloride	0.0022	U
142-28-9	1,3-Dichloropropane	0.0022	U	1634-04-4	Methyl-t-butyl ether	0.0011	U
106-46-7	1,4-Dichlorobenzene	0.0022	U	104-51-8	n-Butylbenzene	0.0011	U
123-91-1	1,4-Dioxane	0.11	U	103-65-1	n-Propylbenzene	0.0011	U
78-93-3	2-Butanone	0.0022	U	95-47-6	o-Xylene	0.0011	U
110-75-8	2-Chloroethylvinylether	0.0022	U	135-98-8	sec-Butylbenzene	0.0011	U
591-78-6	2-Hexanone	0.0022	U	100-42-5	Styrene	0.0022	U
99-87-6	4-Isopropyltoluene	0.0011	U	75-65-0	t-Butyl Alcohol	0.011	U
108-10-1	4-Methyl-2-Pentanone	0.0022	U	98-06-6	t-Butylbenzene	0.0011	U
67-64-1	Acetone	0.011	U	127-18-4	Tetrachloroethene	0.0022	U
107-02-8	Acrolein	0.011	U	108-88-3	Toluene	0.0011	U
107-13-1	Acrylonitrile	0.0055	U	156-60-5	trans-1,2-Dichloroethene	0.0022	U
71-43-2	Benzene	0.0011	U	10061-02-6	trans-1,3-Dichloropropene	0.0022	U
75-27-4	Bromodichloromethane	0.0022	U	79-01-6	Trichloroethene	0.0022	U
75-25-2	Bromoform	0.0022	U	75-69-4	Trichlorofluoromethane	0.0022	U
74-83-9	Bromomethane	0.0022	U	75-01-4	Vinyl Chloride	0.0022	U
75-15-0	Carbon Disulfide	0.0022	U	1330-20-7	Xylenes (Total)	0.0011	U

Worksheet #: 235016

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

2071832 0065

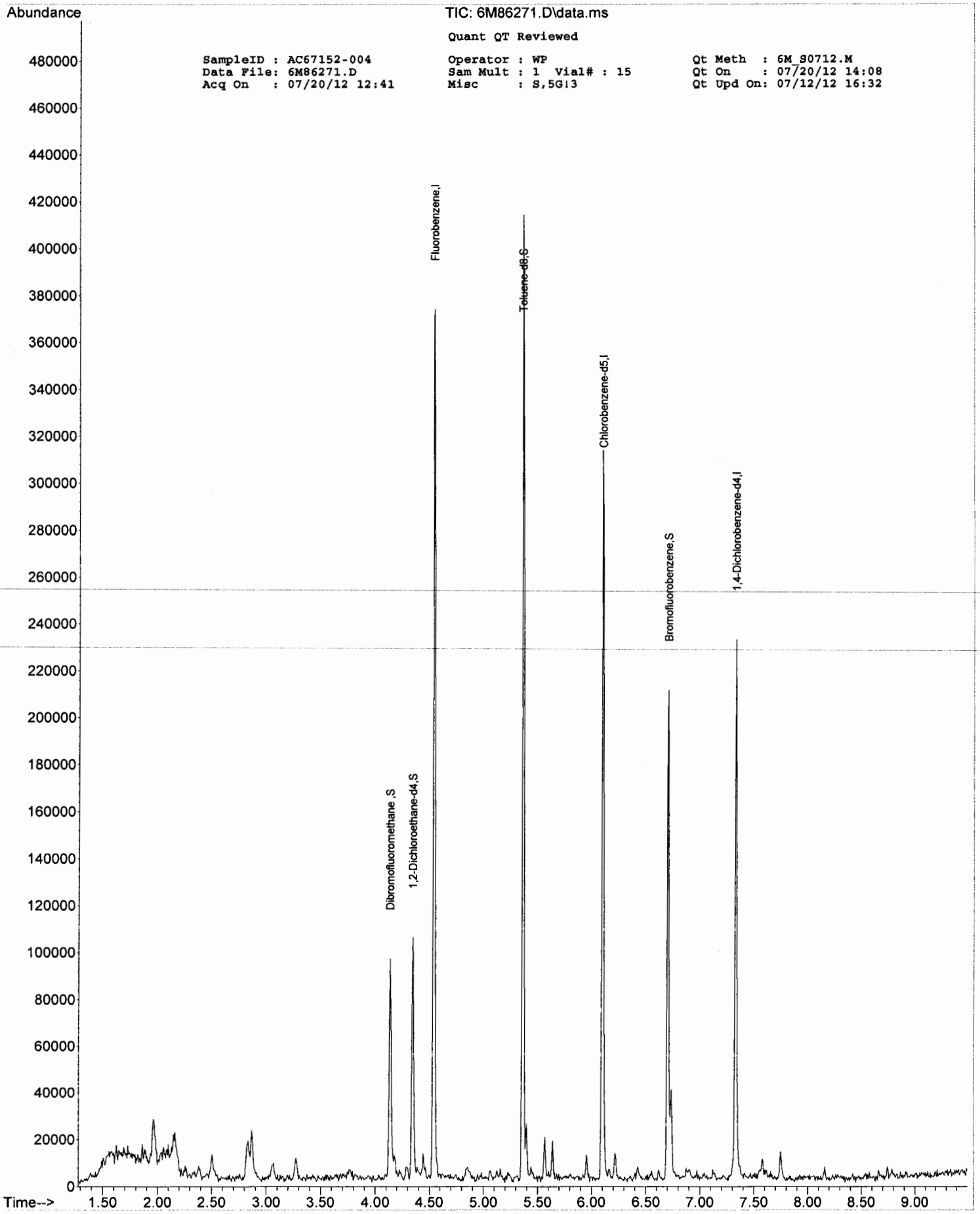
SampleID : AC67152-004 Operator : WP Qt Meth : 6M_S0712.M
Data File: 6M86271.D Sam Mult : 1 Vial# : 15 Qt On : 07/20/12 14:08
Acq On : 07/20/12 12:41 Misc : S,5G!3 Qt Upd On: 07/12/12 16:32

Data Path : G:\GcMsData\2012\gcms_6\Data\07-20-12\
Qt Path : G:\GCMSDATA\2012\gcms_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.543	96	194117	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.102	117	101374	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.330	152	41475	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.134	111	42945	31.66	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.53%			
38) 1,2-Dichloroethane-d4	4.345	67	23547	30.71	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.37%			
65) Toluene-d8	5.362	98	152889	25.61	ug/l	0.00
Spiked Amount 30.000			Recovery = 85.37%			
75) Bromofluorobenzene	6.704	174	41240	29.56	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.53%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 6M86271.D\data.ms
Quant QT Reviewed
SampleID : AC67152-004
Data File: 6M86271.D
Acq On : 07/20/12 12:41
Operator : WP
Sam Mult : 1 Vial# : 15
Misc : S,5G13
Qt Meth : 6M_S0712.M
Qt On : 07/20/12 14:08
Qt Upd On: 07/12/12 16:32
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC67152-005
Client Id: MW-1 B
Data File: 6M86346.D
Analysis Date: 07/22/12 19:44
Date Rec/Extracted: 07/18/12-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5.11g
Final Vol: NA
Dilution: 0.978
Solids: 79

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0025	U	56-23-5	Carbon Tetrachloride	0.0025	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0025	U	108-90-7	Chlorobenzene	0.0025	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0025	U	75-00-3	Chloroethane	0.0025	U
79-00-5	1,1,2-Trichloroethane	0.0025	U	67-66-3	Chloroform	0.0025	U
75-34-3	1,1-Dichloroethane	0.0025	U	74-87-3	Chloromethane	0.0025	U
75-35-4	1,1-Dichloroethene	0.0025	U	156-59-2	cis-1,2-Dichloroethene	0.0025	U
96-18-4	1,2,3-Trichloropropane	0.0025	U	10061-01-5	cis-1,3-Dichloropropene	0.0025	U
95-63-6	1,2,4-Trimethylbenzene	0.0012	U	124-48-1	Dibromochloromethane	0.0025	U
95-50-1	1,2-Dichlorobenzene	0.0025	U	75-71-8	Dichlorodifluoromethane	0.0025	U
107-06-2	1,2-Dichloroethane	0.0025	U	100-41-4	Ethylbenzene	0.0012	U
78-87-5	1,2-Dichloropropane	0.0025	U	98-82-8	Isopropylbenzene	0.0012	U
108-67-8	1,3,5-Trimethylbenzene	0.0012	U	136777612	m&p-Xylenes	0.0012	U
541-73-1	1,3-Dichlorobenzene	0.0025	U	75-09-2	Methylene Chloride	0.0025	U
142-28-9	1,3-Dichloropropane	0.0025	U	1634-04-4	Methyl-t-butyl ether	0.0012	U
106-46-7	1,4-Dichlorobenzene	0.0025	U	104-51-8	n-Butylbenzene	0.0012	U
123-91-1	1,4-Dioxane	0.12	U	103-65-1	n-Propylbenzene	0.0012	U
78-93-3	2-Butanone	0.0025	U	95-47-6	o-Xylene	0.0012	U
110-75-8	2-Chloroethylvinylether	0.0025	U	135-98-8	sec-Butylbenzene	0.0012	U
591-78-6	2-Hexanone	0.0025	U	100-42-5	Styrene	0.0025	U
99-87-6	4-Isopropyltoluene	0.0012	U	**75-65-0**	**t-Butyl Alcohol**	**0.012**	**0.032**
108-10-1	4-Methyl-2-Pentanone	0.0025	U	98-06-6	t-Butylbenzene	0.0012	U
67-64-1	Acetone	0.012	U	127-18-4	Tetrachloroethene	0.0025	U
107-02-8	Acrolein	0.012	U	108-88-3	Toluene	0.0012	U
107-13-1	Acrylonitrile	0.0062	U	156-60-5	trans-1,2-Dichloroethene	0.0025	U
71-43-2	Benzene	0.0012	U	10061-02-6	trans-1,3-Dichloropropene	0.0025	U
75-27-4	Bromodichloromethane	0.0025	U	**79-01-6**	**Trichloroethene**	**0.0025**	**0.0034**
75-25-2	Bromoform	0.0025	U	75-69-4	Trichlorofluoromethane	0.0025	U
74-83-9	Bromomethane	0.0025	U	75-01-4	Vinyl Chloride	0.0025	U
75-15-0	Carbon Disulfide	0.0025	U	1330-20-7	Xylenes (Total)	0.0012	U

Worksheet #: 235016

Total Target Concentration 0.035

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration use

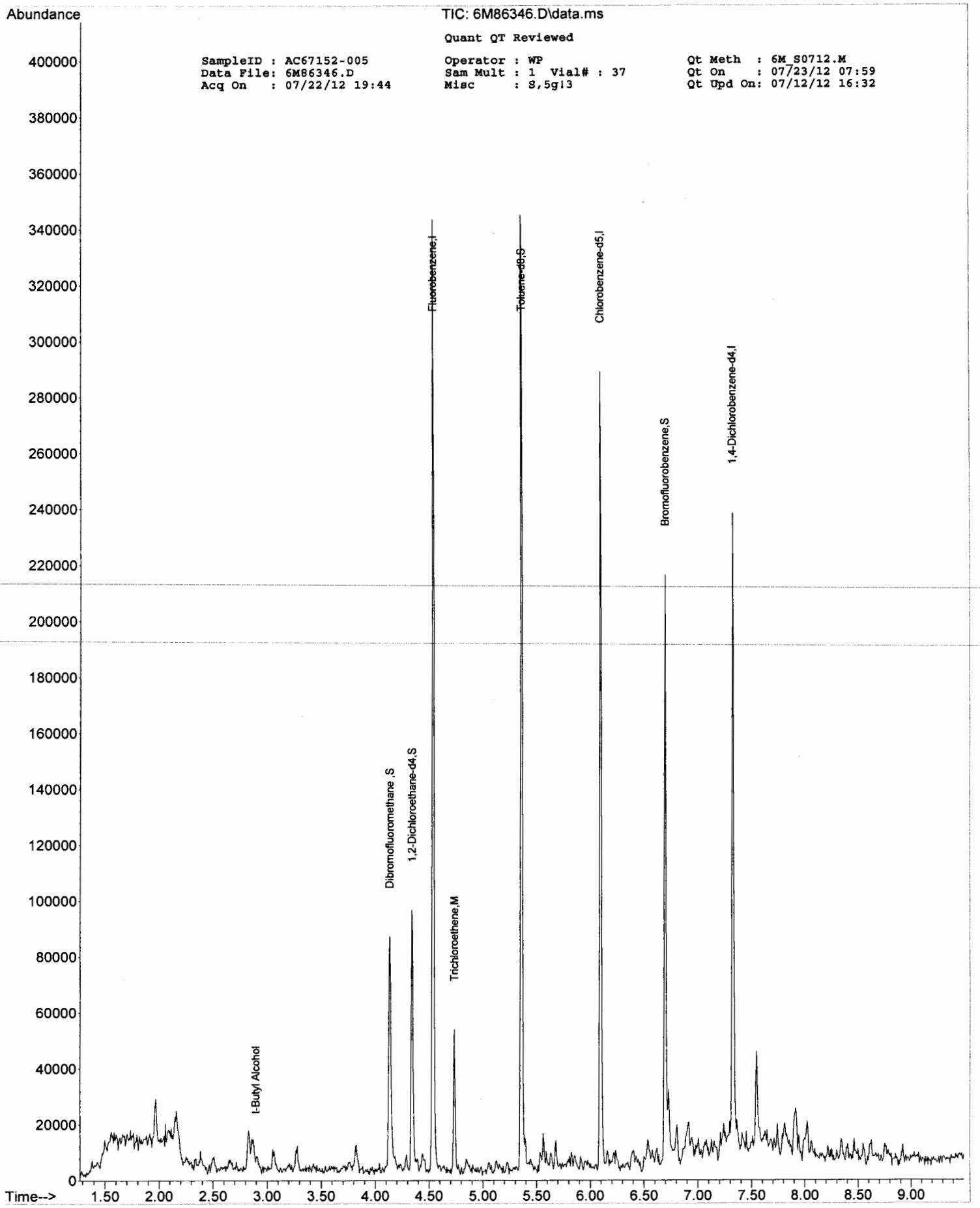
Quantitation Report (QT Reviewed)

SampleID : AC67152-005 Operator : WP Qt Meth : 6M_S0712.M
Data File: 6M86346.D Sam Mult : 1 Vial# : 37 Qt On : 07/23/12 07:59
Acq On : 07/22/12 19:44 Misc : S,5g!3 Qt Upd On: 07/12/12 16:32

Data Path : G:\GcMsData\2012\gcms_6\Data\07-22-12\
Qt Path : G:\GCMSDATA\2012\gcms_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.537	96	162575	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.096	117	90257	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.324	152	40399	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.134	111	38832	34.18	ug/l	0.00
Spiked Amount 30.000			Recovery = 113.93%			
38) 1,2-Dichloroethane-d4	4.339	67	21016	32.73	ug/l	0.00
Spiked Amount 30.000			Recovery = 109.10%			
65) Toluene-d8	5.362	98	137092	25.79	ug/l	0.00
Spiked Amount 30.000			Recovery = 85.97%			
75) Bromofluorobenzene	6.698	174	37335	27.47	ug/l	0.00
Spiked Amount 30.000			Recovery = 91.57%			
Target Compounds						Qvalue
21) t-Butyl Alcohol	2.894	59	2080	25.9758	ug/l	77
48) Trichloroethene	4.736	130	9772	2.7154	ug/l	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
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Quant QT Reviewed
SampleID : AC67152-005
Data File: 6M86346.D
Acq On : 07/22/12 19:44
Operator : WP
Sam Mult : 1 Vial# : 37
Misc : S,5g13
Qt Meth : 6M_S0712.M
Qt On : 07/23/12 07:59
Qt Upd On: 07/12/12 16:32
t-Butyl Alcohol
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC67152-006
Client Id: MW-2 B
Data File: 6M86380.D
Analysis Date: 07/23/12 13:16
Date Rec/Extracted: 07/18/12-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5.06g
Final Vol: NA
Dilution: 0.988
Solids: 96

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0021	U	56-23-5	Carbon Tetrachloride	0.0021	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0021	U	108-90-7	Chlorobenzene	0.0021	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0021	U	75-00-3	Chloroethane	0.0021	U
79-00-5	1,1,2-Trichloroethane	0.0021	U	67-66-3	Chloroform	0.0021	U
75-34-3	1,1-Dichloroethane	0.0021	U	74-87-3	Chloromethane	0.0021	U
75-35-4	1,1-Dichloroethene	0.0021	U	156-59-2	cis-1,2-Dichloroethene	0.0021	U
96-18-4	1,2,3-Trichloropropane	0.0021	U	10061-01-5	cis-1,3-Dichloropropene	0.0021	U
95-63-6	1,2,4-Trimethylbenzene	0.0010	U	124-48-1	Dibromochloromethane	0.0021	U
95-50-1	1,2-Dichlorobenzene	0.0021	U	75-71-8	Dichlorodifluoromethane	0.0021	U
107-06-2	1,2-Dichloroethane	0.0021	U	100-41-4	Ethylbenzene	0.0010	U
78-87-5	1,2-Dichloropropane	0.0021	U	98-82-8	Isopropylbenzene	0.0010	U
108-67-8	1,3,5-Trimethylbenzene	0.0010	U	136777612	m&p-Xylenes	0.0010	U
541-73-1	1,3-Dichlorobenzene	0.0021	U	75-09-2	Methylene Chloride	0.0021	U
142-28-9	1,3-Dichloropropane	0.0021	U	1634-04-4	Methyl-t-butyl ether	0.0010	U
106-46-7	1,4-Dichlorobenzene	0.0021	U	104-51-8	n-Butylbenzene	0.0010	U
123-91-1	1,4-Dioxane	0.10	U	103-65-1	n-Propylbenzene	0.0010	U
78-93-3	2-Butanone	0.0021	U	95-47-6	o-Xylene	0.0010	U
110-75-8	2-Chloroethylvinylether	0.0021	U	135-98-8	sec-Butylbenzene	0.0010	U
591-78-6	2-Hexanone	0.0021	U	100-42-5	Styrene	0.0021	U
99-87-6	4-Isopropyltoluene	0.0010	U	**75-65-0**	**t-Butyl Alcohol**	**0.010**	**0.013**
108-10-1	4-Methyl-2-Pentanone	0.0021	U	98-06-6	t-Butylbenzene	0.0010	U
67-64-1	Acetone	0.010	U	**127-18-4**	**Tetrachloroethene**	**0.0021**	**0.0043**
107-02-8	Acrolein	0.010	U	108-88-3	Toluene	0.0010	U
107-13-1	Acrylonitrile	0.0051	U	156-60-5	trans-1,2-Dichloroethene	0.0021	U
71-43-2	Benzene	0.0010	U	10061-02-6	trans-1,3-Dichloropropene	0.0021	U
75-27-4	Bromodichloromethane	0.0021	U	**79-01-6**	**Trichloroethene**	**0.0021**	**0.0090**
75-25-2	Bromoform	0.0021	U	75-69-4	Trichlorofluoromethane	0.0021	U
74-83-9	Bromomethane	0.0021	U	75-01-4	Vinyl Chloride	0.0021	U
75-15-0	Carbon Disulfide	0.0021	U	1330-20-7	Xylenes (Total)	0.0010	U

Worksheet #: 235016

Total Target Concentration 0.026

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

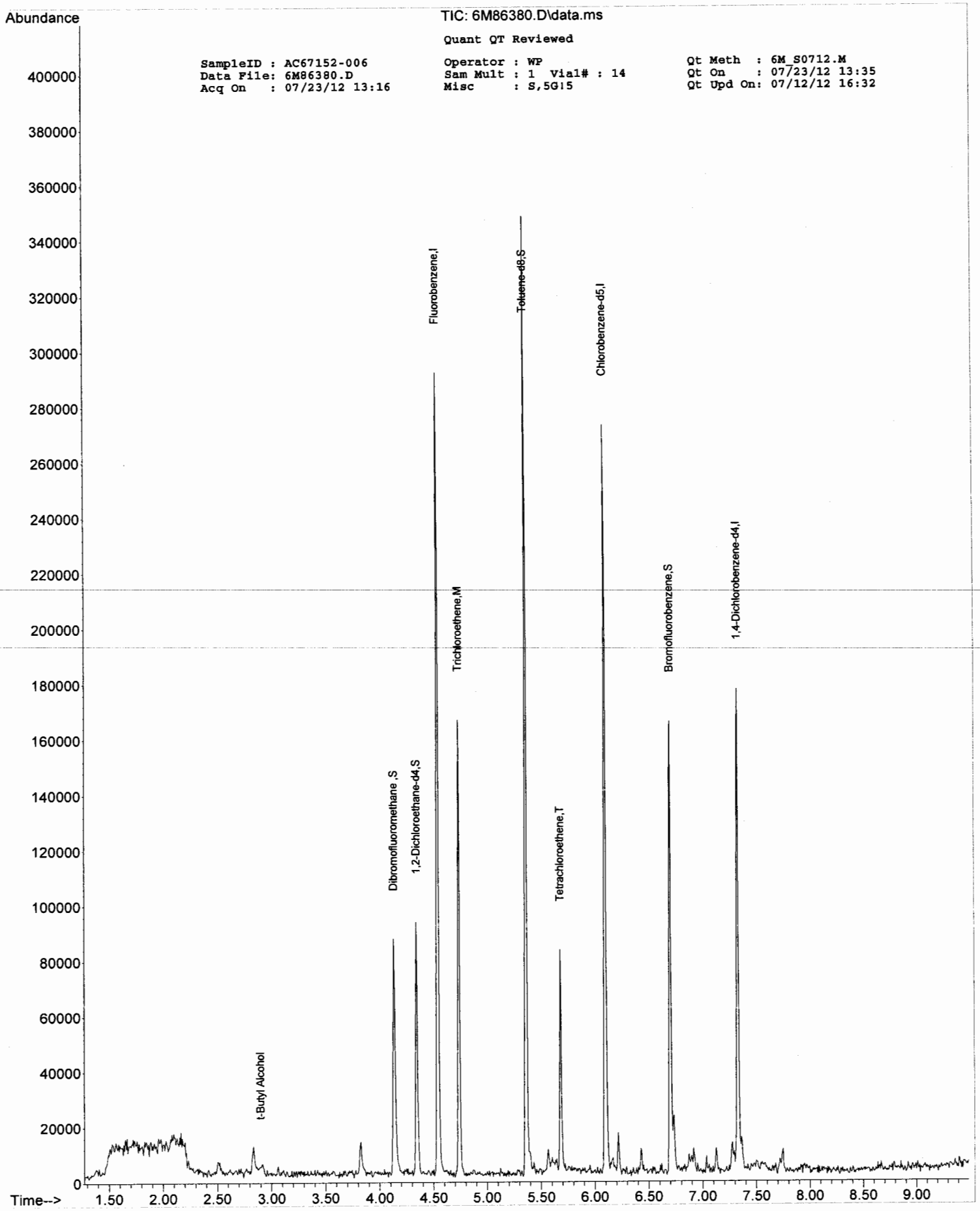
SampleID : AC67152-006 Operator : WP Qt Meth : 6M_S0712.M
Data File: 6M86380.D Sam Mult : 1 Vial# : 14 Qt On : 07/23/12 13:35
Acq On : 07/23/12 13:16 Misc : S,5G!5 Qt Upd On: 07/12/12 16:32

Data Path : G:\GcMsData\2012\gcms_6\Data\07-23-12\
Qt Path : G:\GCMSDATA\2012\gcms_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.543	96	149745	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.096	117	85762	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.329	152	31648	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.134	111	37520	35.86	ug/l	0.00
Spiked Amount 30.000			Recovery	=	119.53%	
38) 1,2-Dichloroethane-d4	4.344	67	19947	33.72	ug/l	0.00
Spiked Amount 30.000			Recovery	=	112.40%	
65) Toluene-d8	5.361	98	125966	24.94	ug/l	0.00
Spiked Amount 30.000			Recovery	=	83.13%	
75) Bromofluorobenzene	6.704	174	32860	30.86	ug/l	0.00
Spiked Amount 30.000			Recovery	=	102.87%	
Target Compounds						Qvalue
21) t-Butyl Alcohol	2.900	59	900	12.2025	ug/l	99
48) Trichloroethene	4.735	130	29039	8.7606	ug/l	91
64) Tetrachloroethene	5.680	164	11743	4.1710	ug/l	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

16


Abundance
TIC: 6M86380.D\data.ms
Quant QT Reviewed
SampleID : AC67152-006
Data File: 6M86380.D
Acq On : 07/23/12 13:16
Operator : WP
Sam Mult : 1 Vial# : 14
Misc : S,5G15
Qt Meth : 6M_S0712.M
Qt On : 07/23/12 13:35
Qt Upd On: 07/12/12 16:32
t-Butyl Alcohol
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
Toluene-d8,S
Tetrachloroethene,T
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC67152-007
Client Id: MW-3 B
Data File: 6M86347.D
Analysis Date: 07/22/12 20:00
Date Rec/Extracted: 07/18/12-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5.09g
Final Vol: NA
Dilution: 0.982
Solids: 92

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0021	U	56-23-5	Carbon Tetrachloride	0.0021	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0021	U	108-90-7	Chlorobenzene	0.0021	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0021	U	75-00-3	Chloroethane	0.0021	U
79-00-5	1,1,2-Trichloroethane	0.0021	U	67-66-3	Chloroform	0.0021	U
75-34-3	1,1-Dichloroethane	0.0021	U	74-87-3	Chloromethane	0.0021	U
75-35-4	1,1-Dichloroethene	0.0021	U	156-59-2	cis-1,2-Dichloroethene	0.0021	U
96-18-4	1,2,3-Trichloropropane	0.0021	U	10061-01-5	cis-1,3-Dichloropropene	0.0021	U
95-63-6	1,2,4-Trimethylbenzene	0.0011	U	124-48-1	Dibromochloromethane	0.0021	U
95-50-1	1,2-Dichlorobenzene	0.0021	U	75-71-8	Dichlorodifluoromethane	0.0021	U
107-06-2	1,2-Dichloroethane	0.0021	U	100-41-4	Ethylbenzene	0.0011	U
78-87-5	1,2-Dichloropropane	0.0021	U	98-82-8	Isopropylbenzene	0.0011	U
108-67-8	1,3,5-Trimethylbenzene	0.0011	U	136777612	m&p-Xylenes	0.0011	U
541-73-1	1,3-Dichlorobenzene	0.0021	U	75-09-2	Methylene Chloride	0.0021	U
142-28-9	1,3-Dichloropropane	0.0021	U	1634-04-4	Methyl-t-butyl ether	0.0011	U
106-46-7	1,4-Dichlorobenzene	0.0021	U	104-51-8	n-Butylbenzene	0.0011	U
123-91-1	1,4-Dioxane	0.11	U	103-65-1	n-Propylbenzene	0.0011	U
78-93-3	2-Butanone	0.0021	U	95-47-6	o-Xylene	0.0011	U
110-75-8	2-Chloroethylvinylether	0.0021	U	135-98-8	sec-Butylbenzene	0.0011	U
591-78-6	2-Hexanone	0.0021	U	100-42-5	Styrene	0.0021	U
99-87-6	4-Isopropyltoluene	0.0011	U	**75-65-0**	**t-Butyl Alcohol**	**0.011**	**0.015**
108-10-1	4-Methyl-2-Pentanone	0.0021	U	98-06-6	t-Butylbenzene	0.0011	U
67-64-1	Acetone	0.011	U	127-18-4	Tetrachloroethene	0.0021	U
107-02-8	Acrolein	0.011	U	108-88-3	Toluene	0.0011	U
107-13-1	Acrylonitrile	0.0053	U	156-60-5	trans-1,2-Dichloroethene	0.0021	U
71-43-2	Benzene	0.0011	U	10061-02-6	trans-1,3-Dichloropropene	0.0021	U
75-27-4	Bromodichloromethane	0.0021	U	79-01-6	Trichloroethene	0.0021	U
75-25-2	Bromoform	0.0021	U	75-69-4	Trichlorofluoromethane	0.0021	U
74-83-9	Bromomethane	0.0021	U	75-01-4	Vinyl Chloride	0.0021	U
75-15-0	Carbon Disulfide	0.0021	U	1330-20-7	Xylenes (Total)	0.0011	U

Worksheet #: 235016 ***Total Target Concentration*** 0.015 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

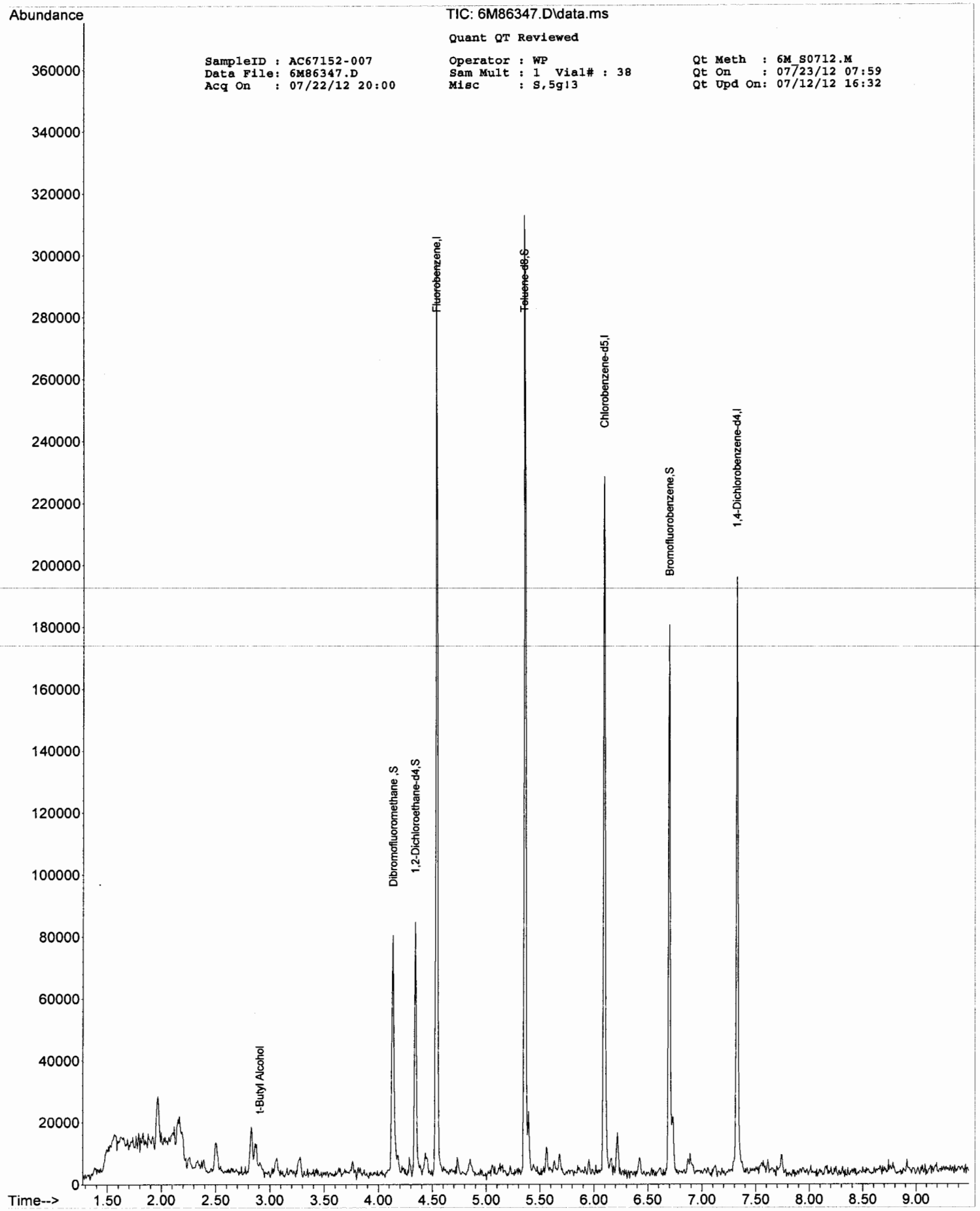
Quantitation Report (QT Reviewed)

SampleID : AC67152-007 Operator : WP Qt Meth : 6M_S0712.M
Data File: 6M86347.D Sam Mult : 1 Vial# : 38 Qt On : 07/23/12 07:59
Acq On : 07/22/12 20:00 Misc : S,5g!3 Qt Upd On: 07/12/12 16:32

Data Path : G:\GcMsData\2012\gcms_6\Data\07-22-12\
Qt Path : G:\GCMSDATA\2012\gcms_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.538	96	144738	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.097	117	69210	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.324	152	36322	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.135	111	33535	33.16	ug/l	0.00
Spiked Amount 30.000			Recovery = 110.53%			
38) 1,2-Dichloroethane-d4	4.339	67	19308	33.77	ug/l	0.00
Spiked Amount 30.000			Recovery = 112.57%			
65) Toluene-d8	5.356	98	122232	29.99	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.97%			
75) Bromofluorobenzene	6.699	174	33573	27.48	ug/l	0.00
Spiked Amount 30.000			Recovery = 91.60%			
Target Compounds						Qvalue
21) t-Butyl Alcohol	2.907	59	1024	14.3640	ug/l	50

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 6M86347.D\data.ms
Quant QT Reviewed
SampleID : AC67152-007
Data File: 6M86347.D
Acq On : 07/22/12 20:00
Operator : WP
Sam Mult : 1 Vial# : 38
Misc : S,5g13
Qt Meth : 6M_S0712.M
Qt On : 07/23/12 07:59
Qt Upd On: 07/12/12 16:32
t-Butyl Alcohol
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC67152-008
Client Id: MW-4 B
Data File: 6M86348.D
Analysis Date: 07/22/12 20:16
Date Rec/Extracted: 07/18/12-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5.07g
Final Vol: NA
Dilution: 0.986
Solids: 91

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0022	U	56-23-5	Carbon Tetrachloride	0.0022	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0022	U	108-90-7	Chlorobenzene	0.0022	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0022	U	75-00-3	Chloroethane	0.0022	U
79-00-5	1,1,2-Trichloroethane	0.0022	U	67-66-3	Chloroform	0.0022	U
75-34-3	1,1-Dichloroethane	0.0022	U	74-87-3	Chloromethane	0.0022	U
75-35-4	1,1-Dichloroethene	0.0022	U	156-59-2	cis-1,2-Dichloroethene	0.0022	U
96-18-4	1,2,3-Trichloropropane	0.0022	U	10061-01-5	cis-1,3-Dichloropropene	0.0022	U
95-63-6	1,2,4-Trimethylbenzene	0.0011	U	124-48-1	Dibromochloromethane	0.0022	U
95-50-1	1,2-Dichlorobenzene	0.0022	U	75-71-8	Dichlorodifluoromethane	0.0022	U
107-06-2	1,2-Dichloroethane	0.0022	U	100-41-4	Ethylbenzene	0.0011	U
78-87-5	1,2-Dichloropropane	0.0022	U	98-82-8	Isopropylbenzene	0.0011	U
108-67-8	1,3,5-Trimethylbenzene	0.0011	U	136777612	m&p-Xylenes	0.0011	U
541-73-1	1,3-Dichlorobenzene	0.0022	U	75-09-2	Methylene Chloride	0.0022	U
142-28-9	1,3-Dichloropropane	0.0022	U	1634-04-4	Methyl-t-butyl ether	0.0011	U
106-46-7	1,4-Dichlorobenzene	0.0022	U	104-51-8	n-Butylbenzene	0.0011	U
123-91-1	1,4-Dioxane	0.11	U	103-65-1	n-Propylbenzene	0.0011	U
78-93-3	2-Butanone	0.0022	U	95-47-6	o-Xylene	0.0011	U
110-75-8	2-Chloroethylvinylether	0.0022	U	135-98-8	sec-Butylbenzene	0.0011	U
591-78-6	2-Hexanone	0.0022	U	100-42-5	Styrene	0.0022	U
99-87-6	4-Isopropyltoluene	0.0011	U	**75-65-0**	**t-Butyl Alcohol**	**0.011**	**0.015**
108-10-1	4-Methyl-2-Pentanone	0.0022	U	98-06-6	t-Butylbenzene	0.0011	U
67-64-1	Acetone	0.011	U	127-18-4	Tetrachloroethene	0.0022	U
107-02-8	Acrolein	0.011	U	108-88-3	Toluene	0.0011	U
107-13-1	Acrylonitrile	0.0054	U	156-60-5	trans-1,2-Dichloroethene	0.0022	U
71-43-2	Benzene	0.0011	U	10061-02-6	trans-1,3-Dichloropropene	0.0022	U
75-27-4	Bromodichloromethane	0.0022	U	79-01-6	Trichloroethene	0.0022	U
75-25-2	Bromoform	0.0022	U	75-69-4	Trichlorofluoromethane	0.0022	U
74-83-9	Bromomethane	0.0022	U	75-01-4	Vinyl Chloride	0.0022	U
75-15-0	Carbon Disulfide	0.0022	U	1330-20-7	Xylenes (Total)	0.0011	U

Worksheet #: 235016

Total Target Concentration 0.015

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

2071832 0077

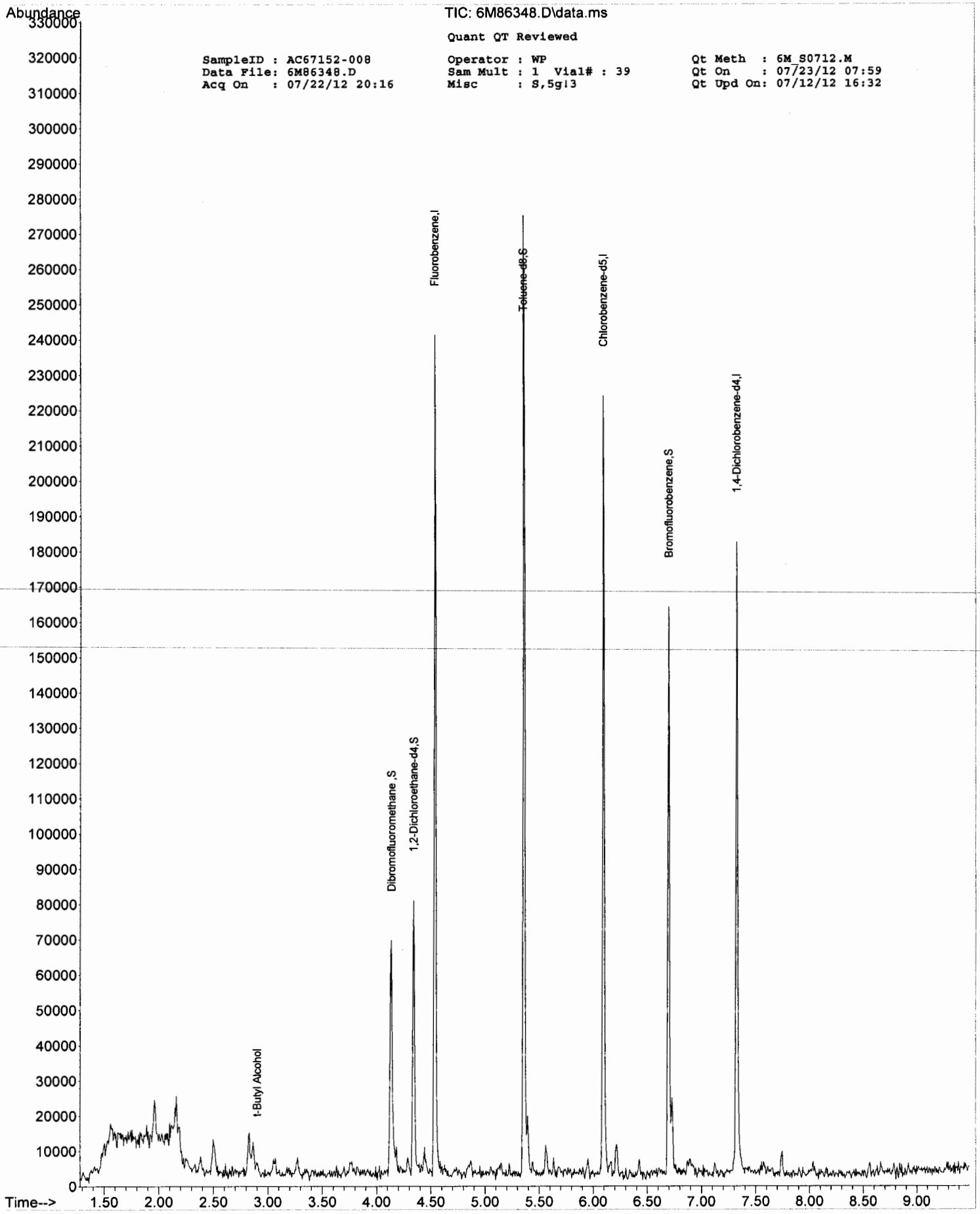
SampleID : AC67152-008 Operator : WP Qt Meth : 6M_S0712.M
Data File: 6M86348.D Sam Mult : 1 Vial# : 39 Qt On : 07/23/12 07:59
Acq On : 07/22/12 20:16 Misc : S,5g!3 Qt Upd On: 07/12/12 16:32

Data Path : G:\GcMsData\2012\gcms_6\Data\07-22-12\
Qt Path : G:\GCMSDATA\2012\gcms_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.537	96	114865	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.096	117	73175	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.324	152	31209	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.134	111	30954	38.57	ug/l	0.00
Spiked Amount 30.000			Recovery = 128.57%			
38) 1,2-Dichloroethane-d4	4.339	67	17412	38.38	ug/l	0.00
Spiked Amount 30.000			Recovery = 127.93%			
65) Toluene-d8	5.356	98	106252	24.66	ug/l	0.00
Spiked Amount 30.000			Recovery = 82.20%			
75) Bromofluorobenzene	6.698	174	28792	27.42	ug/l	0.00
Spiked Amount 30.000			Recovery = 91.40%			
Target Compounds						Qvalue
21) t-Butyl Alcohol	2.900	59	794	14.0343	ug/l	72

(#) = qualifier out of range (m) = manual integration (+) = signals summed

lw


Abundance
TIC: 6M86348.D\data.ms
Quant QT Reviewed
SampleID : AC67152-008
Data File: 6M86348.D
Acq On : 07/22/12 20:16
Operator : WP
Sam Mult : 1 Vial# : 39
Misc : S,5g|3
Qt Meth : 6M_S0712.M
Qt On : 07/23/12 07:59
Qt Upd On: 07/12/12 16:32
t-Butyl Alcohol
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC67152-009
Client Id: MW-4A (DUP)
Data File: 6M86349.D
Analysis Date: 07/22/12 20:32
Date Rec/Extracted: 07/18/12-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5.07g
Final Vol: NA
Dilution: 0.986
Solids: 91

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0022	U	56-23-5	Carbon Tetrachloride	0.0022	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0022	U	108-90-7	Chlorobenzene	0.0022	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0022	U	75-00-3	Chloroethane	0.0022	U
79-00-5	1,1,2-Trichloroethane	0.0022	U	67-66-3	Chloroform	0.0022	U
75-34-3	1,1-Dichloroethane	0.0022	U	74-87-3	Chloromethane	0.0022	U
75-35-4	1,1-Dichloroethene	0.0022	U	156-59-2	cis-1,2-Dichloroethene	0.0022	U
96-18-4	1,2,3-Trichloropropane	0.0022	U	10061-01-5	cis-1,3-Dichloropropene	0.0022	U
95-63-6	1,2,4-Trimethylbenzene	0.0011	U	124-48-1	Dibromochloromethane	0.0022	U
95-50-1	1,2-Dichlorobenzene	0.0022	U	75-71-8	Dichlorodifluoromethane	0.0022	U
107-06-2	1,2-Dichloroethane	0.0022	U	100-41-4	Ethylbenzene	0.0011	U
78-87-5	1,2-Dichloropropane	0.0022	U	98-82-8	Isopropylbenzene	0.0011	U
108-67-8	1,3,5-Trimethylbenzene	0.0011	U	136777612	m&p-Xylenes	0.0011	U
541-73-1	1,3-Dichlorobenzene	0.0022	U	75-09-2	Methylene Chloride	0.0022	U
142-28-9	1,3-Dichloropropane	0.0022	U	1634-04-4	Methyl-t-butyl ether	0.0011	U
106-46-7	1,4-Dichlorobenzene	0.0022	U	104-51-8	n-Butylbenzene	0.0011	U
123-91-1	1,4-Dioxane	0.11	U	103-65-1	n-Propylbenzene	0.0011	U
78-93-3	2-Butanone	0.0022	U	95-47-6	o-Xylene	0.0011	U
110-75-8	2-Chloroethylvinylether	0.0022	U	135-98-8	sec-Butylbenzene	0.0011	U
591-78-6	2-Hexanone	0.0022	U	100-42-5	Styrene	0.0022	U
99-87-6	4-Isopropyltoluene	0.0011	U	**75-65-0**	**t-Butyl Alcohol**	**0.011**	**0.015**
108-10-1	4-Methyl-2-Pentanone	0.0022	U	98-06-6	t-Butylbenzene	0.0011	U
67-64-1	Acetone	0.011	U	127-18-4	Tetrachloroethene	0.0022	U
107-02-8	Acrolein	0.011	U	108-88-3	Toluene	0.0011	U
107-13-1	Acrylonitrile	0.0054	U	156-60-5	trans-1,2-Dichloroethene	0.0022	U
71-43-2	Benzene	0.0011	U	10061-02-6	trans-1,3-Dichloropropene	0.0022	U
75-27-4	Bromodichloromethane	0.0022	U	79-01-6	Trichloroethene	0.0022	U
75-25-2	Bromoform	0.0022	U	75-69-4	Trichlorofluoromethane	0.0022	U
74-83-9	Bromomethane	0.0022	U	75-01-4	Vinyl Chloride	0.0022	U
75-15-0	Carbon Disulfide	0.0022	U	1330-20-7	Xylenes (Total)	0.0011	U

Worksheet #: 235016

Total Target Concentration 0.015

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration use

Quantitation Report (QT Reviewed)

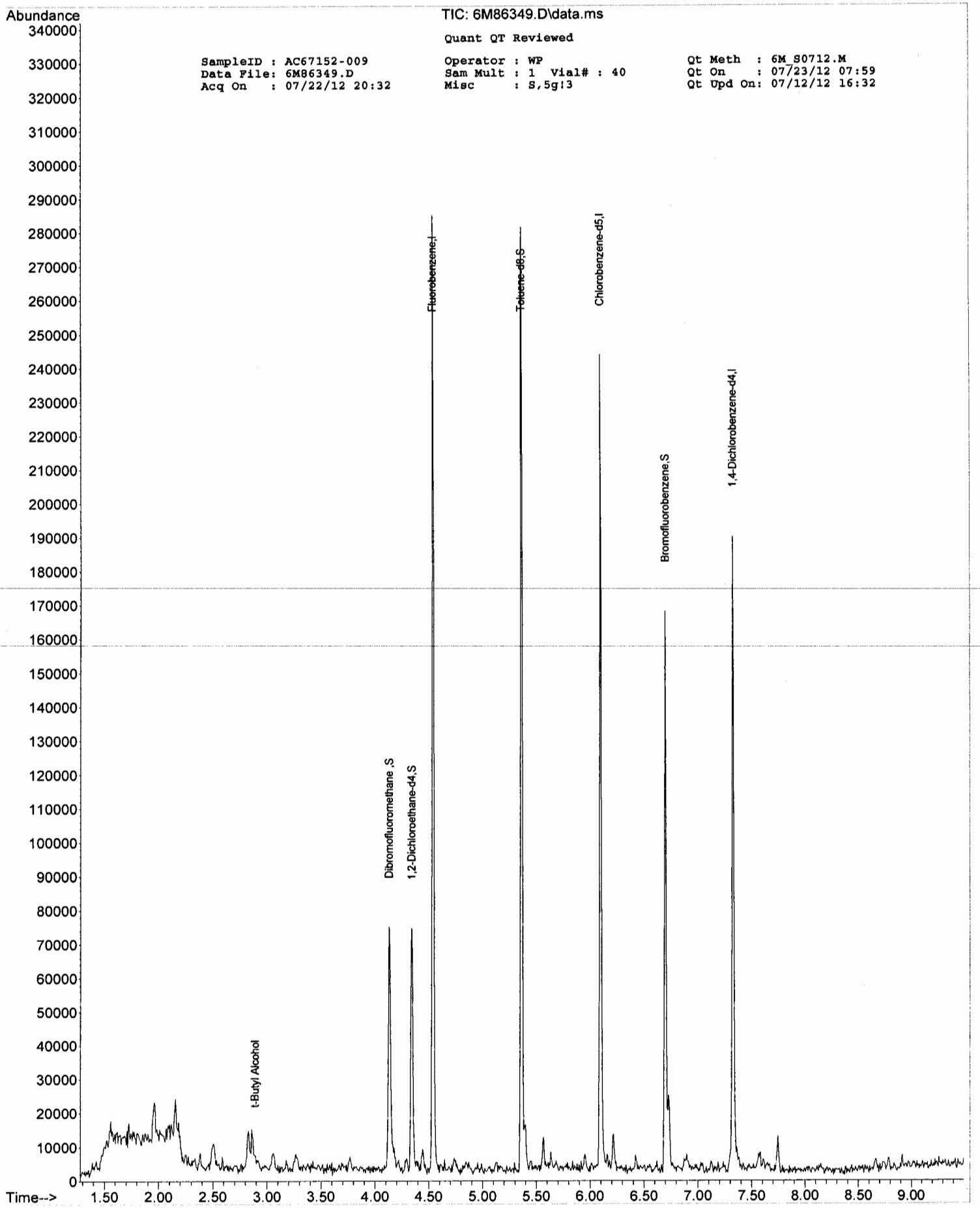
2071832 0080

SampleID : AC67152-009 Operator : WP Qt Meth : 6M_S0712.M
Data File: 6M86349.D Sam Mult : 1 Vial# : 40 Qt On : 07/23/12 07:59
Acq On : 07/22/12 20:32 Misc : S,5g!3 Qt Upd On: 07/12/12 16:32

Data Path : G:\GcMsData\2012\gcms_6\Data\07-22-12\
Qt Path : G:\GCMSDATA\2012\gcms_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.538	96	124312	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.097	117	74688	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.325	152	32342	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.129	111	33191	38.21	ug/l	0.00
Spiked Amount 30.000			Recovery = 127.37%			
38) 1,2-Dichloroethane-d4	4.340	67	19182	39.06	ug/l	0.00
Spiked Amount 30.000			Recovery = 130.20%			
65) Toluene-d8	5.363	98	114737	26.09	ug/l	0.00
Spiked Amount 30.000			Recovery = 86.97%			
75) Bromofluorobenzene	6.699	174	30127	27.69	ug/l	0.00
Spiked Amount 30.000			Recovery = 92.30%			
Target Compounds						Qvalue
21) t-Butyl Alcohol	2.889	59	844	13.7844	ug/l	62

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 6M86349.D\data.ms
Quant QT Reviewed
SampleID : AC67152-009
Data File: 6M86349.D
Acq On : 07/22/12 20:32
Operator : WP
Sam Mult : 1 Vial# : 40
Misc : S,5g!3
Qt Meth : 6M_S0712.M
Qt On : 07/23/12 07:59
Qt Upd On: 07/12/12 16:32
t-Butyl Alcohol
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 6M86260.D
Analysis Date: 07/20/12 09:44
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5g
Final Vol: NA
Dilution: 1.00
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0020	U	56-23-5	Carbon Tetrachloride	0.0020	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0020	U	108-90-7	Chlorobenzene	0.0020	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0020	U	75-00-3	Chloroethane	0.0020	U
79-00-5	1,1,2-Trichloroethane	0.0020	U	67-66-3	Chloroform	0.0020	U
75-34-3	1,1-Dichloroethane	0.0020	U	74-87-3	Chloromethane	0.0020	U
75-35-4	1,1-Dichloroethene	0.0020	U	156-59-2	cis-1,2-Dichloroethene	0.0020	U
96-18-4	1,2,3-Trichloropropane	0.0020	U	10061-01-5	cis-1,3-Dichloropropene	0.0020	U
95-63-6	1,2,4-Trimethylbenzene	0.0010	U	124-48-1	Dibromochloromethane	0.0020	U
95-50-1	1,2-Dichlorobenzene	0.0020	U	75-71-8	Dichlorodifluoromethane	0.0020	U
107-06-2	1,2-Dichloroethane	0.0020	U	100-41-4	Ethylbenzene	0.0010	U
78-87-5	1,2-Dichloropropane	0.0020	U	98-82-8	Isopropylbenzene	0.0010	U
108-67-8	1,3,5-Trimethylbenzene	0.0010	U	136777612	m&p-Xylenes	0.0010	U
541-73-1	1,3-Dichlorobenzene	0.0020	U	75-09-2	Methylene Chloride	0.0020	U
142-28-9	1,3-Dichloropropane	0.0020	U	1634-04-4	Methyl-t-butyl ether	0.0010	U
106-46-7	1,4-Dichlorobenzene	0.0020	U	104-51-8	n-Butylbenzene	0.0010	U
123-91-1	1,4-Dioxane	0.10	U	103-65-1	n-Propylbenzene	0.0010	U
78-93-3	2-Butanone	0.0020	U	95-47-6	o-Xylene	0.0010	U
110-75-8	2-Chloroethylvinylether	0.0020	U	135-98-8	sec-Butylbenzene	0.0010	U
591-78-6	2-Hexanone	0.0020	U	100-42-5	Styrene	0.0020	U
99-87-6	4-Isopropyltoluene	0.0010	U	75-65-0	t-Butyl Alcohol	0.010	U
108-10-1	4-Methyl-2-Pentanone	0.0020	U	98-06-6	t-Butylbenzene	0.0010	U
67-64-1	Acetone	0.010	U	127-18-4	Tetrachloroethene	0.0020	U
107-02-8	Acrolein	0.010	U	108-88-3	Toluene	0.0010	U
107-13-1	Acrylonitrile	0.0050	U	156-60-5	trans-1,2-Dichloroethene	0.0020	U
71-43-2	Benzene	0.0010	U	10061-02-6	trans-1,3-Dichloropropene	0.0020	U
75-27-4	Bromodichloromethane	0.0020	U	79-01-6	Trichloroethene	0.0020	U
75-25-2	Bromoform	0.0020	U	75-69-4	Trichlorofluoromethane	0.0020	U
74-83-9	Bromomethane	0.0020	U	75-01-4	Vinyl Chloride	0.0020	U
75-15-0	Carbon Disulfide	0.0020	U				

Worksheet #: 235016 *Total Target Concentration* 0 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration use

Quantitation Report (QT Reviewed)

SampleID : DAILY BLANK
Data File: 6M86260.D
Acq On : 07/20/12 09:44

Operator : WP
Sam Mult : 1 Vial# : 4
Misc : S,5G

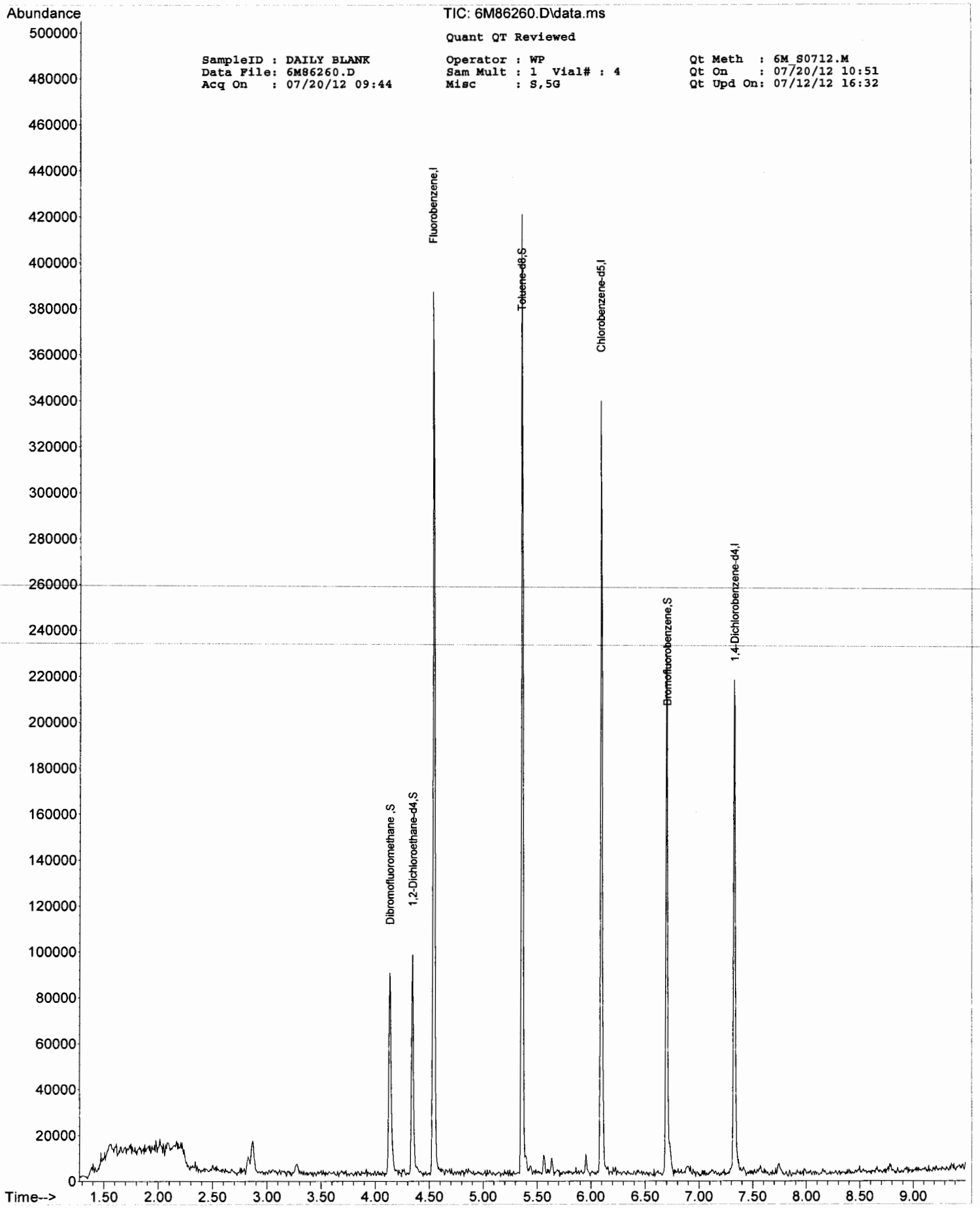
Qt Meth : 6M_S0712.M
Qt On : 07/20/12 10:51
Qt Upd On: 07/12/12 16:32

Data Path : G:\GcMsData\2012\gcms_6\Data\07-20-12\
Qt Path : G:\GCMSDATA\2012\gcms_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
4) Fluorobenzene	4.537	96	197158	30.00 ug/l	0.00
51) Chlorobenzene-d5	6.096	117	102560	30.00 ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.330	152	40008	30.00 ug/l	0.00
System Monitoring Compounds					
36) Dibromofluoromethane	4.134	111	41287	29.97 ug/l	0.00
Spiked Amount 30.000			Recovery = 99.90%		
38) 1,2-Dichloroethane-d4	4.344	67	22561	28.97 ug/l	0.00
Spiked Amount 30.000			Recovery = 96.57%		
65) Toluene-d8	5.362	98	155553	25.76 ug/l	0.00
Spiked Amount 30.000			Recovery = 85.87%		
75) Bromofluorobenzene	6.704	174	43005	31.95 ug/l	0.00
Spiked Amount 30.000			Recovery = 106.50%		

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 6M86260.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 6M86260.D
Acq On : 07/20/12 09:44
Operator : WP
Sam Mult : 1 Vial# : 4
Misc : S,5G
Qt Meth : 6M_S0712.M
Qt On : 07/20/12 10:51
Qt Upd On: 07/12/12 16:32
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 6M86313.D
Analysis Date: 07/22/12 10:53
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5g
Final Vol: NA
Dilution: 1.00
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0020	U	56-23-5	Carbon Tetrachloride	0.0020	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0020	U	108-90-7	Chlorobenzene	0.0020	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0020	U	75-00-3	Chloroethane	0.0020	U
79-00-5	1,1,2-Trichloroethane	0.0020	U	67-66-3	Chloroform	0.0020	U
75-34-3	1,1-Dichloroethane	0.0020	U	74-87-3	Chloromethane	0.0020	U
75-35-4	1,1-Dichloroethene	0.0020	U	156-59-2	cis-1,2-Dichloroethene	0.0020	U
96-18-4	1,2,3-Trichloropropane	0.0020	U	10061-01-5	cis-1,3-Dichloropropene	0.0020	U
95-63-6	1,2,4-Trimethylbenzene	0.0010	U	124-48-1	Dibromochloromethane	0.0020	U
95-50-1	1,2-Dichlorobenzene	0.0020	U	75-71-8	Dichlorodifluoromethane	0.0020	U
107-06-2	1,2-Dichloroethane	0.0020	U	100-41-4	Ethylbenzene	0.0010	U
78-87-5	1,2-Dichloropropane	0.0020	U	98-82-8	Isopropylbenzene	0.0010	U
108-67-8	1,3,5-Trimethylbenzene	0.0010	U	136777612	m&p-Xylenes	0.0010	U
541-73-1	1,3-Dichlorobenzene	0.0020	U	75-09-2	Methylene Chloride	0.0020	U
142-28-9	1,3-Dichloropropane	0.0020	U	1634-04-4	Methyl-t-butyl ether	0.0010	U
106-46-7	1,4-Dichlorobenzene	0.0020	U	104-51-8	n-Butylbenzene	0.0010	U
123-91-1	1,4-Dioxane	0.10	U	103-65-1	n-Propylbenzene	0.0010	U
78-93-3	2-Butanone	0.0020	U	95-47-6	o-Xylene	0.0010	U
110-75-8	2-Chloroethylvinylether	0.0020	U	135-98-8	sec-Butylbenzene	0.0010	U
591-78-6	2-Hexanone	0.0020	U	100-42-5	Styrene	0.0020	U
99-87-6	4-Isopropyltoluene	0.0010	U	75-65-0	t-Butyl Alcohol	0.010	U
108-10-1	4-Methyl-2-Pentanone	0.0020	U	98-06-6	t-Butylbenzene	0.0010	U
67-64-1	Acetone	0.010	U	127-18-4	Tetrachloroethene	0.0020	U
107-02-8	Acrolein	0.010	U	108-88-3	Toluene	0.0010	U
107-13-1	Acrylonitrile	0.0050	U	156-60-5	trans-1,2-Dichloroethene	0.0020	U
71-43-2	Benzene	0.0010	U	10061-02-6	trans-1,3-Dichloropropene	0.0020	U
75-27-4	Bromodichloromethane	0.0020	U	79-01-6	Trichloroethene	0.0020	U
75-25-2	Bromoform	0.0020	U	75-69-4	Trichlorofluoromethane	0.0020	U
74-83-9	Bromomethane	0.0020	U	75-01-4	Vinyl Chloride	0.0020	U
75-15-0	Carbon Disulfide	0.0020	U				

Worksheet #: 235016

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration use

Quantitation Report (QT Reviewed)

2071832 0086

SampleID : DAILY BLANK
Data File: 6M86313.D
Acq On : 07/22/12 10:53

Operator : WP
Sam Mult : 1 Vial# : 6
Misc : S,5G

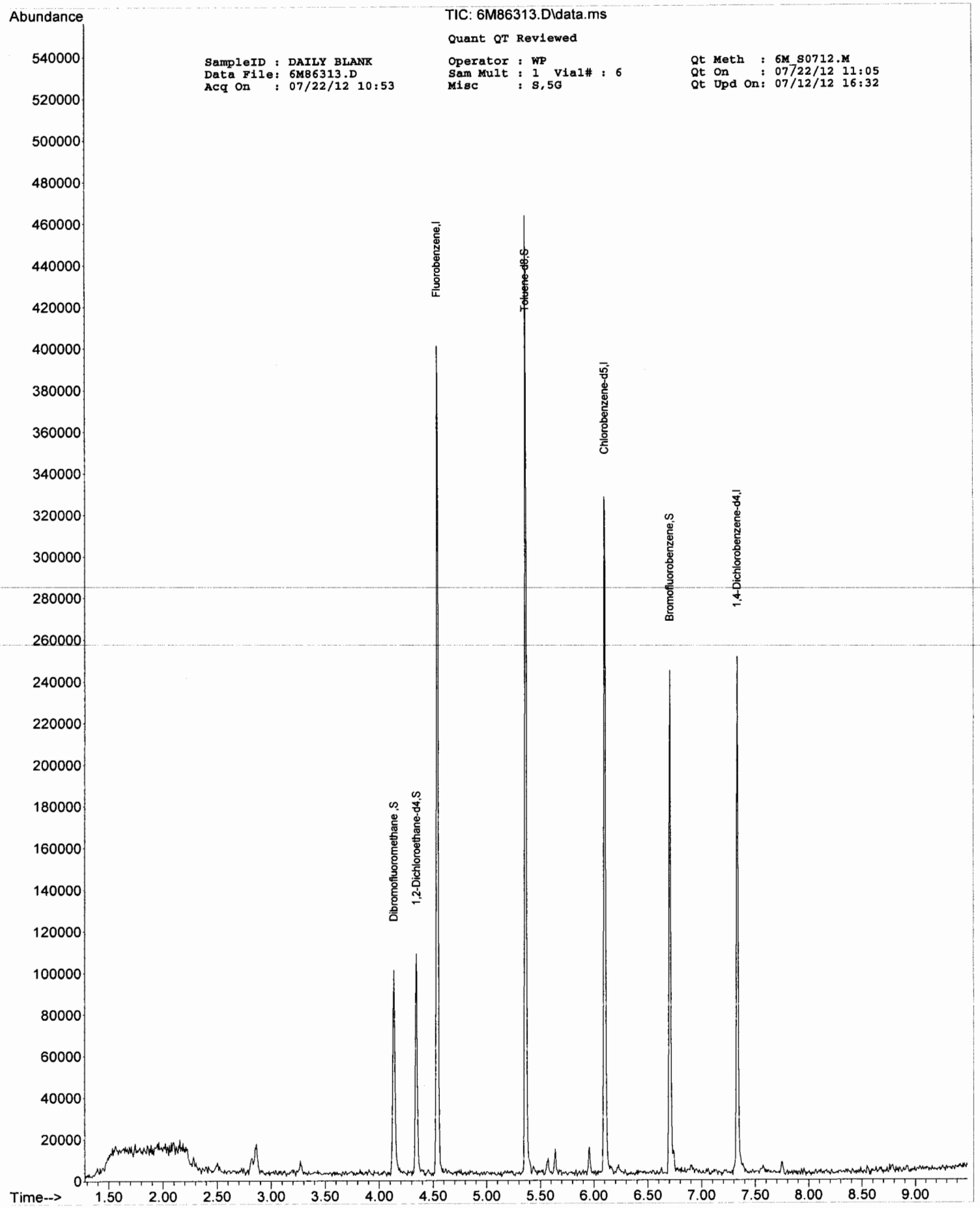
Qt Meth : 6M_S0712.M
Qt On : 07/22/12 11:05
Qt Upd On: 07/12/12 16:32

Data Path : G:\GcMsData\2012\gcms_6\Data\07-22-12\
Qt Path : G:\GCMSDATA\2012\gcms_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
4) Fluorobenzene	4.538	96	204816	30.00 ug/l	0.00
51) Chlorobenzene-d5	6.103	117	111154	30.00 ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.330	152	41830	30.00 ug/l	0.00
System Monitoring Compounds					
36) Dibromofluoromethane	4.135	111	41655	29.11 ug/l	0.00
Spiked Amount 30.000			Recovery	= 97.03%	
38) 1,2-Dichloroethane-d4	4.345	67	23869	29.50 ug/l	0.00
Spiked Amount 30.000			Recovery	= 98.33%	
65) Toluene-d8	5.362	98	170418	26.03 ug/l	0.00
Spiked Amount 30.000			Recovery	= 86.77%	
75) Bromofluorobenzene	6.705	174	44370	31.53 ug/l	0.00
Spiked Amount 30.000			Recovery	= 105.10%	

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


TIC: 6M86313.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 6M86313.D
Acq On : 07/22/12 10:53
Operator : WP
Sam Mult : 1 Vial# : 6
Misc : S,5G
Qt Meth : 6M_S0712.M
Qt On : 07/22/12 11:05
Qt Upd On: 07/12/12 16:32
Abundance
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 6M86375.D
Analysis Date: 07/23/12 11:44
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5g
Final Vol: NA
Dilution: 1.00
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0020	U	56-23-5	Carbon Tetrachloride	0.0020	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0020	U	108-90-7	Chlorobenzene	0.0020	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0020	U	75-00-3	Chloroethane	0.0020	U
79-00-5	1,1,2-Trichloroethane	0.0020	U	67-66-3	Chloroform	0.0020	U
75-34-3	1,1-Dichloroethane	0.0020	U	74-87-3	Chloromethane	0.0020	U
75-35-4	1,1-Dichloroethene	0.0020	U	156-59-2	cis-1,2-Dichloroethene	0.0020	U
96-18-4	1,2,3-Trichloropropane	0.0020	U	10061-01-5	cis-1,3-Dichloropropene	0.0020	U
95-63-6	1,2,4-Trimethylbenzene	0.0010	U	124-48-1	Dibromochloromethane	0.0020	U
95-50-1	1,2-Dichlorobenzene	0.0020	U	75-71-8	Dichlorodifluoromethane	0.0020	U
107-06-2	1,2-Dichloroethane	0.0020	U	100-41-4	Ethylbenzene	0.0010	U
78-87-5	1,2-Dichloropropane	0.0020	U	98-82-8	Isopropylbenzene	0.0010	U
108-67-8	1,3,5-Trimethylbenzene	0.0010	U	136777612	m&p-Xylenes	0.0010	U
541-73-1	1,3-Dichlorobenzene	0.0020	U	75-09-2	Methylene Chloride	0.0020	U
142-28-9	1,3-Dichloropropane	0.0020	U	1634-04-4	Methyl-t-butyl ether	0.0010	U
106-46-7	1,4-Dichlorobenzene	0.0020	U	104-51-8	n-Butylbenzene	0.0010	U
123-91-1	1,4-Dioxane	0.10	U	103-65-1	n-Propylbenzene	0.0010	U
78-93-3	2-Butanone	0.0020	U	95-47-6	o-Xylene	0.0010	U
110-75-8	2-Chloroethylvinylether	0.0020	U	135-98-8	sec-Butylbenzene	0.0010	U
591-78-6	2-Hexanone	0.0020	U	100-42-5	Styrene	0.0020	U
99-87-6	4-Isopropyltoluene	0.0010	U	75-65-0	t-Butyl Alcohol	0.010	U
108-10-1	4-Methyl-2-Pentanone	0.0020	U	98-06-6	t-Butylbenzene	0.0010	U
67-64-1	Acetone	0.010	U	127-18-4	Tetrachloroethene	0.0020	U
107-02-8	Acrolein	0.010	U	108-88-3	Toluene	0.0010	U
107-13-1	Acrylonitrile	0.0050	U	156-60-5	trans-1,2-Dichloroethene	0.0020	U
71-43-2	Benzene	0.0010	U	10061-02-6	trans-1,3-Dichloropropene	0.0020	U
75-27-4	Bromodichloromethane	0.0020	U	79-01-6	Trichloroethene	0.0020	U
75-25-2	Bromoform	0.0020	U	75-69-4	Trichlorofluoromethane	0.0020	U
74-83-9	Bromomethane	0.0020	U	75-01-4	Vinyl Chloride	0.0020	U
75-15-0	Carbon Disulfide	0.0020	U				

Worksheet #: 235016 *Total Target Concentration* 0 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration use

Quantitation Report (QT Reviewed)

SampleID : DAILY BLANK
Data File: 6M86375.D
Acq On : 07/23/12 11:44

Operator : WP
Sam Mult : 1 Vial# : 9
Misc : S,5G

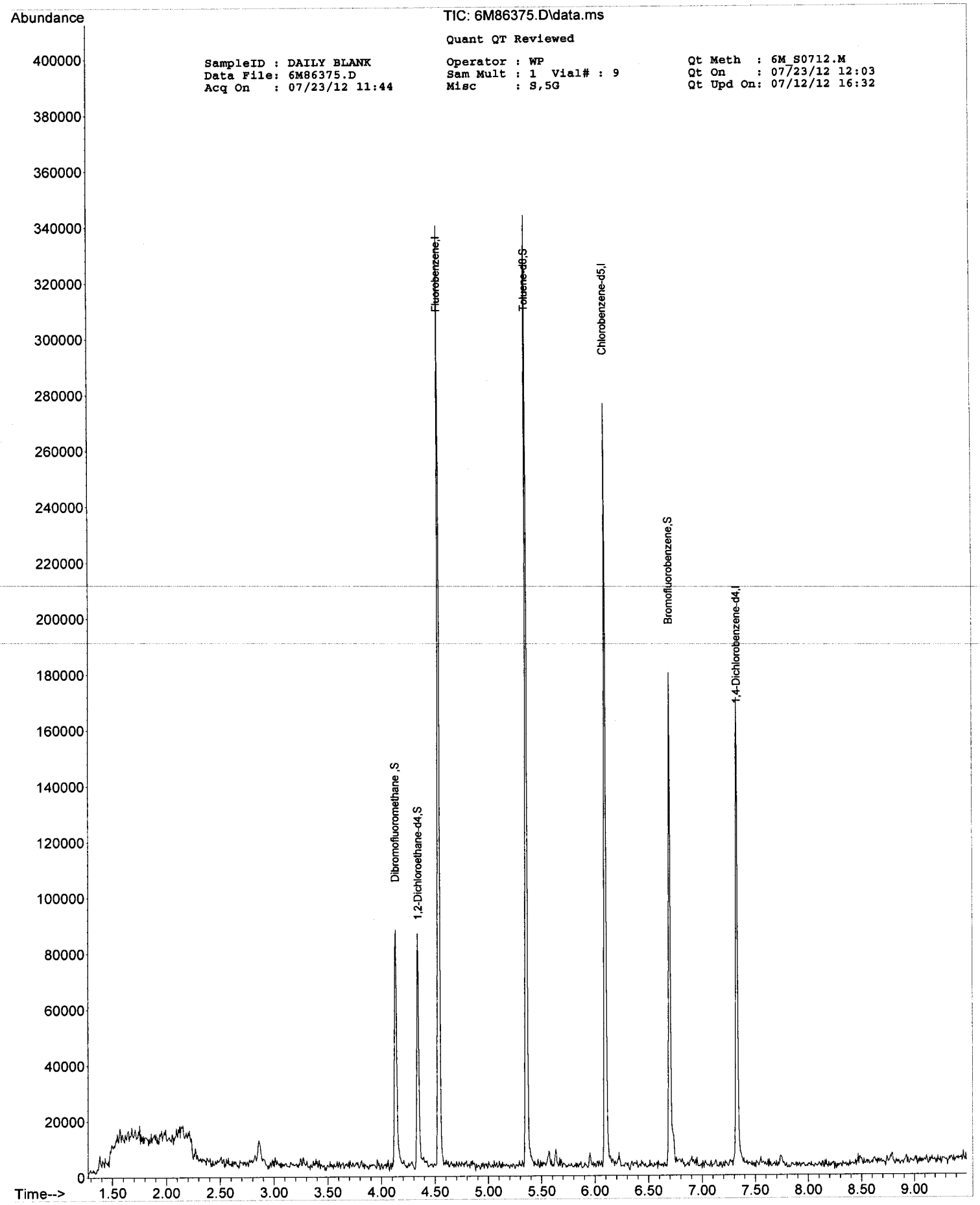
Qt Meth : 6M_S0712.M
Qt On : 07/23/12 12:03
Qt Upd On: 07/12/12 16:32

Data Path : G:\GcMsData\2012\gcms_6\Data\07-23-12\
Qt Path : G:\GCMSDATA\2012\gcms_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.538	96	161649	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.097	117	86743	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.330	152	32087	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.134	111	36590	32.40	ug/l	0.00
Spiked Amount 30.000			Recovery = 108.00%			
38) 1,2-Dichloroethane-d4	4.345	67	18884	29.57	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.57%			
65) Toluene-d8	5.362	98	131850	25.81	ug/l	0.00
Spiked Amount 30.000			Recovery = 86.03%			
75) Bromofluorobenzene	6.698	174	32603	30.20	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.67%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


TIC: 6M86375.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 6M86375.D
Acq On : 07/23/12 11:44
Operator : WP
Sam Mult : 1 Vial# : 9
Misc : S,5G
Qt Meth : 6M_S0712.M
Qt On : 07/23/12 12:03
Qt Upd On: 07/12/12 16:32
Abundance
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

FORM2

Surrogate Recovery

Method: EPA 8260B

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column0 S5 Recov	Column0 S6 Recov
6M86260.D	DAILY BLANK	Soil	07/20/12 09:44	1		100	97	86	107		
6M86313.D	DAILY BLANK	Soil	07/22/12 10:53	1		97	98	87	105		
6M86375.D	DAILY BLANK	Soil	07/23/12 11:44	1		108	99	86	101		
6M86576.D	DAILY BLANK	Soil	07/27/12 14:40	1		113	105	87	107		
6M86267.D	AC67152-001	Soil	07/20/12 11:36	1		109	100	84	95		
6M86350.D	AC67152-002	Soil	07/22/12 20:48	1		112	99	94	89		
6M86270.D	AC67152-003	Soil	07/20/12 12:25	1		102	110	86	94		
6M86271.D	AC67152-004	Soil	07/20/12 12:41	1		106	102	85	99		
6M86346.D	AC67152-005	Soil	07/22/12 19:44	1		114	109	86	92		
6M86380.D	AC67152-006	Soil	07/23/12 13:16	1		120	112	83	103		
6M86347.D	AC67152-007	Soil	07/22/12 20:00	1		111	113	100	92		
6M86348.D	AC67152-008	Soil	07/22/12 20:16	1		129	128	82	91		
6M86349.D	AC67152-009	Soil	07/22/12 20:32	1		127	130	87	92		
6M86261.D	MBS18837	Soil	07/20/12 10:00	1		99	83	87	102		
6M86284.D	MBS18843	Soil	07/20/12 17:09	1		102	93	90	96		
6M86288.D	MBS18850	Soil	07/20/12 18:13	1		99	88	95	99		
6M86298.D	MBS18851	Soil	07/20/12 20:54	1		99	91	99	98		
6M86314.D	MBS18852	Soil	07/22/12 11:09	1		99	96	91	104		
6M86319.D	MBS18854	Soil	07/22/12 12:31	1		95	86	92	105		
6M86345.D	MBS18855	Soil	07/22/12 19:28	1		90	81	102	95		
6M86376.D	MBS18862	Soil	07/23/12 12:12	1		114	103	90	105		
6M86392.D	MBS18868	Soil	07/23/12 16:32	1		91	82	106	97		
6M86577.D	MBS19242	Soil	07/27/12 14:56	1		100	94	94	90		
6M86589.D	MBS19247	Soil	07/27/12 18:18	1		110	93	88	95		
6M86594.D	AC67300-002(	Soil	07/27/12 19:38	1		123	119	87	92		
6M86595.D	AC67300-002(	Soil	07/27/12 19:54	1		101	95	102	91		
6M86596.D	AC67300-002	Soil	07/27/12 20:10	1		119	117	83	106		

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: EPA 8260B

Soil Limits

Compound	Spike Amt	Limits
S1=Dibromofluoromethane	30	63-140
S2=1,2-Dichloroethane-d4	30	63-143
S3=Toluene-d8	30	68-122
S4=Bromofluorobenzene	30	64-129

Form3
Recovery Data
QC Batch: MBS18837

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M86261.D	MBS18837	7/20/2012 10:00:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Soil QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	44.3379	0	50	89	20	130
1,1-Dichloroethene	1	36.2545	0	50	73	50	130
1,1-Dichloroethane	1	37.3575	0	50	75	50	130
Chloroform	1	37.7759	0	50	76	50	130
1,2-Dichloroethane	1	48.5485	0	50	97	50	130
2-Butanone	1	32.7596	0	50	66	20	130
Carbon Tetrachloride	1	36.5949	0	50	73	50	130
Trichloroethene	1	36.193	0	50	72	50	130
Benzene	1	36.4952	0	50	73	50	130
Tetrachloroethene	1	33.3248	0	50	67	50	130
Toluene	1	28.8157	0	50	58	50	130
Chlorobenzene	1	34.1949	0	50	68	50	130
1,4-Dichlorobenzene	1	34.3835	0	50	69	50	130
1,2-Dichlorobenzene	1	34.3009	0	50	69	50	130
n-Propylbenzene	1	32.469	0	50	65	50	130
sec-Butylbenzene	1	36.6123	0	50	73	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS18843

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M86284.D	MBS18843	7/20/2012 5:09:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Soil QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	50.8703	0	50	102	20	130
1,1-Dichloroethene	1	39.7045	0	50	79	50	130
1,1-Dichloroethane	1	41.1481	0	50	82	50	130
Chloroform	1	40.6818	0	50	81	50	130
1,2-Dichloroethane	1	54.742	0	50	109	50	130
2-Butanone	1	41.2932	0	50	83	20	130
Carbon Tetrachloride	1	44.8117	0	50	90	50	130
Trichloroethene	1	41.5194	0	50	83	50	130
Benzene	1	41.75	0	50	84	50	130
Tetrachloroethene	1	37.4372	0	50	75	50	130
Toluene	1	33.2371	0	50	66	50	130
Chlorobenzene	1	40.2381	0	50	80	50	130
1,4-Dichlorobenzene	1	42.4739	0	50	85	50	130
1,2-Dichlorobenzene	1	42.2358	0	50	84	50	130
n-Propylbenzene	1	40.1631	0	50	80	50	130
sec-Butylbenzene	1	44.9291	0	50	90	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS18850

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M86288.D	MBS18850	7/20/2012 6:13:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Soil QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	37.9874	0	50	76	20	130
1,1-Dichloroethene	1	35.1805	0	50	70	50	130
1,1-Dichloroethane	1	35.2278	0	50	70	50	130
Chloroform	1	36.6353	0	50	73	50	130
1,2-Dichloroethane	1	43.3741	0	50	87	50	130
2-Butanone	1	34.7734	0	50	70	20	130
Carbon Tetrachloride	1	36.3785	0	50	73	50	130
Trichloroethene	1	35.1861	0	50	70	50	130
Benzene	1	35.4996	0	50	71	50	130
Tetrachloroethene	1	35.797	0	50	72	50	130
Toluene	1	30.4386	0	50	61	50	130
Chlorobenzene	1	35.9119	0	50	72	50	130
1,4-Dichlorobenzene	1	37.6907	0	50	75	50	130
1,2-Dichlorobenzene	1	37.0829	0	50	74	50	130
n-Propylbenzene	1	34.9164	0	50	70	50	130
sec-Butylbenzene	1	39.7338	0	50	79	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS18851

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M86298.D	MBS18851	7/20/2012 8:54:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Soil QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	46.807	0	50	94	20	130
1,1-Dichloroethene	1	41.0397	0	50	82	50	130
1,1-Dichloroethane	1	43.9837	0	50	88	50	130
Chloroform	1	46.4921	0	50	93	50	130
1,2-Dichloroethane	1	61.0236	0	50	122	50	130
2-Butanone	1	39.3821	0	50	79	20	130
Carbon Tetrachloride	1	46.398	0	50	93	50	130
Trichloroethene	1	41.1077	0	50	82	50	130
Benzene	1	42.7689	0	50	86	50	130
Tetrachloroethene	1	43.4514	0	50	87	50	130
Toluene	1	37.7813	0	50	76	50	130
Chlorobenzene	1	47.5406	0	50	95	50	130
1,4-Dichlorobenzene	1	44.1353	0	50	88	50	130
1,2-Dichlorobenzene	1	43.5482	0	50	87	50	130
n-Propylbenzene	1	43.1553	0	50	86	50	130
sec-Butylbenzene	1	48.1708	0	50	96	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS18852

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M86314.D	MBS18852	7/22/2012 11:09:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Soil QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	38.9251	0	50	78	20	130
1,1-Dichloroethene	1	34.5722	0	50	69	50	130
1,1-Dichloroethane	1	36.2072	0	50	72	50	130
Chloroform	1	36.7293	0	50	73	50	130
1,2-Dichloroethane	1	45.3538	0	50	91	50	130
2-Butanone	1	34.9665	0	50	70	20	130
Carbon Tetrachloride	1	36.4326	0	50	73	50	130
Trichloroethene	1	34.248	0	50	68	50	130
Benzene	1	35.1967	0	50	70	50	130
Tetrachloroethene	1	34.7741	0	50	70	50	130
Toluene	1	29.449	0	50	59	50	130
Chlorobenzene	1	34.6373	0	50	69	50	130
1,4-Dichlorobenzene	1	36.5733	0	50	73	50	130
1,2-Dichlorobenzene	1	35.2595	0	50	71	50	130
n-Propylbenzene	1	35.7761	0	50	72	50	130
sec-Butylbenzene	1	39.9746	0	50	80	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS18854

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M86319.D	MBS18854	7/22/2012 12:31:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Soil QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	44.5937	0	50	89	20	130
1,1-Dichloroethene	1	42.1439	0	50	84	50	130
1,1-Dichloroethane	1	45.7807	0	50	92	50	130
Chloroform	1	46.3892	0	50	93	50	130
1,2-Dichloroethane	1	57.2564	0	50	115	50	130
2-Butanone	1	48.2658	0	50	97	20	130
Carbon Tetrachloride	1	45.5238	0	50	91	50	130
Trichloroethene	1	43.6826	0	50	87	50	130
Benzene	1	44.8204	0	50	90	50	130
Tetrachloroethene	1	42.0054	0	50	84	50	130
Toluene	1	37.1535	0	50	74	50	130
Chlorobenzene	1	44.587	0	50	89	50	130
1,4-Dichlorobenzene	1	48.5771	0	50	97	50	130
1,2-Dichlorobenzene	1	47.3052	0	50	95	50	130
n-Propylbenzene	1	46.5097	0	50	93	50	130
sec-Butylbenzene	1	53.3312	0	50	107	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS18855

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M86345.D	MBS18855	7/22/2012 7:28:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Soil QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	35.8045	0	50	72	20	130
1,1-Dichloroethene	1	36.892	0	50	74	50	130
1,1-Dichloroethane	1	37.0491	0	50	74	50	130
Chloroform	1	37.1562	0	50	74	50	130
1,2-Dichloroethane	1	48.0527	0	50	96	50	130
2-Butanone	1	35.5797	0	50	71	20	130
Carbon Tetrachloride	1	35.1772	0	50	70	50	130
Trichloroethene	1	30.7575	0	50	62	50	130
Benzene	1	34.0127	0	50	68	50	130
Tetrachloroethene	1	43.9116	0	50	88	50	130
Toluene	1	34.8079	0	50	70	50	130
Chlorobenzene	1	44.7522	0	50	90	50	130
1,4-Dichlorobenzene	1	36.3897	0	50	73	50	130
1,2-Dichlorobenzene	1	35.1863	0	50	70	50	130
n-Propylbenzene	1	35.917	0	50	72	50	130
sec-Butylbenzene	1	36.2909	0	50	73	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS18862

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M86376.D	MBS18862	7/23/2012 12:12:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Soil QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	45.8644	0	50	92	20	130
1,1-Dichloroethene	1	34.3868	0	50	69	50	130
1,1-Dichloroethane	1	35.1048	0	50	70	50	130
Chloroform	1	38.1565	0	50	76	50	130
1,2-Dichloroethane	1	44.1994	0	50	88	50	130
2-Butanone	1	26.8509	0	50	54	20	130
Carbon Tetrachloride	1	36.8997	0	50	74	50	130
Trichloroethene	1	31.3494	0	50	63	50	130
Benzene	1	31.7452	0	50	63	50	130
Tetrachloroethene	1	30.826	0	50	62	50	130
Toluene	1	27.0353	0	50	54	50	130
Chlorobenzene	1	32.5359	0	50	65	50	130
1,4-Dichlorobenzene	1	34.9682	0	50	70	50	130
1,2-Dichlorobenzene	1	34.3473	0	50	69	50	130
n-Propylbenzene	1	33.3859	0	50	67	50	130
sec-Butylbenzene	1	37.6669	0	50	75	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS18868

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M86392.D	MBS18868	7/23/2012 4:32:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Soil QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	30.7748	0	50	62	20	130
1,1-Dichloroethene	1	31.4121	0	50	63	50	130
1,1-Dichloroethane	1	35.8372	0	50	72	50	130
Chloroform	1	35.7526	0	50	72	50	130
1,2-Dichloroethane	1	45.9365	0	50	92	50	130
2-Butanone	1	35.7222	0	50	71	20	130
Carbon Tetrachloride	1	30.5359	0	50	61	50	130
Trichloroethene	1	26.2728	0	50	53	50	130
Benzene	1	32.5317	0	50	65	50	130
Tetrachloroethene	1	39.1995	0	50	78	50	130
Toluene	1	32.8361	0	50	66	50	130
Chlorobenzene	1	42.384	0	50	85	50	130
1,4-Dichlorobenzene	1	31.7769	0	50	64	50	130
1,2-Dichlorobenzene	1	32.2023	0	50	64	50	130
n-Propylbenzene	1	33.249	0	50	66	50	130
sec-Butylbenzene	1	34.4033	0	50	69	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS19242

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M86577.D	MBS19242	7/27/2012 2:56:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Soil QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	46.2144	0	50	92	20	130
1,1-Dichloroethene	1	39.4886	0	50	79	50	130
1,1-Dichloroethane	1	39.1055	0	50	78	50	130
Chloroform	1	41.2499	0	50	82	50	130
1,2-Dichloroethane	1	54.5274	0	50	109	50	130
2-Butanone	1	36.6496	0	50	73	20	130
Carbon Tetrachloride	1	35.2839	0	50	71	50	130
Trichloroethene	1	33.1763	0	50	66	50	130
Benzene	1	36.2815	0	50	73	50	130
Tetrachloroethene	1	30.8431	0	50	62	50	130
Toluene	1	29.341	0	50	59	50	130
Chlorobenzene	1	36.7057	0	50	73	50	130
1,4-Dichlorobenzene	1	28.7918	0	50	58	50	130
1,2-Dichlorobenzene	1	29.559	0	50	59	50	130
n-Propylbenzene	1	24.7712	0	50	50	50	130
sec-Butylbenzene	1	26.5744	0	50	53	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS19247

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M86589.D	MBS19247	7/27/2012 6:18:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Soil QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	37.3181	0	50	75	20	130
1,1-Dichloroethene	1	33.6335	0	50	67	50	130
1,1-Dichloroethane	1	36.857	0	50	74	50	130
Chloroform	1	40.6995	0	50	81	50	130
1,2-Dichloroethane	1	50.4085	0	50	101	50	130
2-Butanone	1	31.3229	0	50	63	20	130
Carbon Tetrachloride	1	40.5885	0	50	81	50	130
Trichloroethene	1	36.3105	0	50	73	50	130
Benzene	1	36.5288	0	50	73	50	130
Tetrachloroethene	1	33.5827	0	50	67	50	130
Toluene	1	28.7751	0	50	58	50	130
Chlorobenzene	1	34.3997	0	50	69	50	130
1,4-Dichlorobenzene	1	33.5516	0	50	67	50	130
1,2-Dichlorobenzene	1	33.1876	0	50	66	50	130
n-Propylbenzene	1	31.2132	0	50	62	50	130
sec-Butylbenzene	1	35.3927	0	50	71	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS19242

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M86594.D	AC67300-002(MS)	7/27/2012 7:38:00 PM
Non Spike(If applicable):	6M86596.D	AC67300-002	7/27/2012 8:10:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Soil QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	45.8309	0	50	92	20	130
1,1-Dichloroethene	1	39.4255	0	50	79	50	130
1,1-Dichloroethane	1	42.4258	0	50	85	50	130
Chloroform	1	47.0288	0	50	94	50	130
1,2-Dichloroethane	1	61.1233	0	50	122	50	130
2-Butanone	1	42.5965	0	50	85	20	130
Carbon Tetrachloride	1	50.2361	0	50	100	50	130
Trichloroethene	1	43.2178	0	50	86	50	130
Benzene	1	39.033	0	50	78	50	130
Tetrachloroethene	1	31.8408	0	50	64	50	130
Toluene	1	30.1199	0	50	60	50	130
Chlorobenzene	1	37.1264	0	50	74	50	130
1,4-Dichlorobenzene	1	35.6394	0	50	71	50	130
1,2-Dichlorobenzene	1	36.0299	0	50	72	50	130
n-Propylbenzene	1	32.4538	0	50	65	50	130
sec-Butylbenzene	1	36.5928	0	50	73	50	130

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M86595.D	AC67300-002(MSD)	7/27/2012 7:54:00 PM
Non Spike(If applicable):	6M86596.D	AC67300-002	7/27/2012 8:10:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Soil QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	41.8044	0	50	84	20	130
1,1-Dichloroethene	1	36.346	0	50	73	50	130
1,1-Dichloroethane	1	37.674	0	50	75	50	130
Chloroform	1	40.4752	0	50	81	50	130
1,2-Dichloroethane	1	55.26	0	50	111	50	130
2-Butanone	1	33.848	0	50	68	20	130
Carbon Tetrachloride	1	44.0381	0	50	88	50	130
Trichloroethene	1	35.3125	0	50	71	50	130
Benzene	1	35.9956	0	50	72	50	130
Tetrachloroethene	1	42.7929	0	50	86	50	130
Toluene	1	35.7998	0	50	72	50	130
Chlorobenzene	1	45.3187	0	50	91	50	130
1,4-Dichlorobenzene	1	32.9361	0	50	66	50	130
1,2-Dichlorobenzene	1	33.6475	0	50	67	50	130
n-Propylbenzene	1	31.4414	0	50	63	50	130
sec-Butylbenzene	1	35.0087	0	50	70	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
RPD DATA

QC Batch: MBS19242

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M86595.D	AC67300-002(MSD)	7/27/2012 7:54:00 PM
Duplicate(If applicable):	6M86594.D	AC67300-002(MS)	7/27/2012 7:38:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Soil QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Vinyl Chloride	1	41.8044	45.8309	9.2	40
1,1-Dichloroethene	1	36.346	39.4255	8.1	40
1,1-Dichloroethane	1	37.674	42.4258	12	40
Chloroform	1	40.4752	47.0288	15	40
1,2-Dichloroethane	1	55.26	61.1233	10	40
2-Butanone	1	33.848	42.5965	23	40
Carbon Tetrachloride	1	44.0381	50.2361	13	40
Trichloroethene	1	35.3125	43.2178	20	40
Benzene	1	35.9956	39.033	8.1	40
Tetrachloroethene	1	42.7929	31.8408	29	40
Toluene	1	35.7998	30.1199	17	40
Chlorobenzene	1	45.3187	37.1264	20	40
1,4-Dichlorobenzene	1	32.9361	35.6394	7.9	40
1,2-Dichlorobenzene	1	33.6475	36.0299	6.8	40
n-Propylbenzene	1	31.4414	32.4538	3.2	40
sec-Butylbenzene	1	35.0087	36.5928	4.4	40

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 6M86260.D
Matrix: Soil

Blank Analysis Date: 07/20/12 09:44
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC67152-001	6M86267.D	07/20/12 11:36
AC67152-003	6M86270.D	07/20/12 12:25
AC67152-004	6M86271.D	07/20/12 12:41
MBS18850	6M86288.D	07/20/12 18:13
MBS18851	6M86298.D	07/20/12 20:54
MBS18837	6M86261.D	07/20/12 10:00
MBS18843	6M86284.D	07/20/12 17:09

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 6M86313.D
Matrix: Soil

Blank Analysis Date: 07/22/12 10:53
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC67152-002	6M86350.D	07/22/12 20:48
AC67152-005	6M86346.D	07/22/12 19:44
AC67152-007	6M86347.D	07/22/12 20:00
AC67152-008	6M86348.D	07/22/12 20:16
AC67152-009	6M86349.D	07/22/12 20:32
MBS18855	6M86345.D	07/22/12 19:28
MBS18852	6M86314.D	07/22/12 11:09
MBS18854	6M86319.D	07/22/12 12:31

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 6M86375.D
Matrix: Soil

Blank Analysis Date: 07/23/12 11:44
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC67152-006	6M86380.D	07/23/12 13:16
MBS18862	6M86376.D	07/23/12 12:12
MBS18868	6M86392.D	07/23/12 16:32

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 6M86576.D
Matrix: Soil

Blank Analysis Date: 07/27/12 14:40
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC67300-002	6M86596.D	07/27/12 20:10
MBS19242	6M86577.D	07/27/12 14:56
AC67300-002(MSD	6M86595.D	07/27/12 19:54
MBS19247	6M86589.D	07/27/12 18:18
AC67300-002(MS)	6M86594.D	07/27/12 19:38

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 6

Data File: 6M85914.D
Analysis Date: 07/12/12 08:55
Method: EPA 8260B

Tune Scan/Time Range: Average of 3.962 to 4.011 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	19.6	7735	PASS
75	95	30	60	48.4	19133	PASS
95	95	100	100	100.0	39511	PASS
96	95	5	9	6.6	2617	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	74.9	29575	PASS
175	174	5	9	8.0	2375	PASS
176	174	95	101	97.0	28692	PASS
177	176	5	9	6.0	1731	PASS

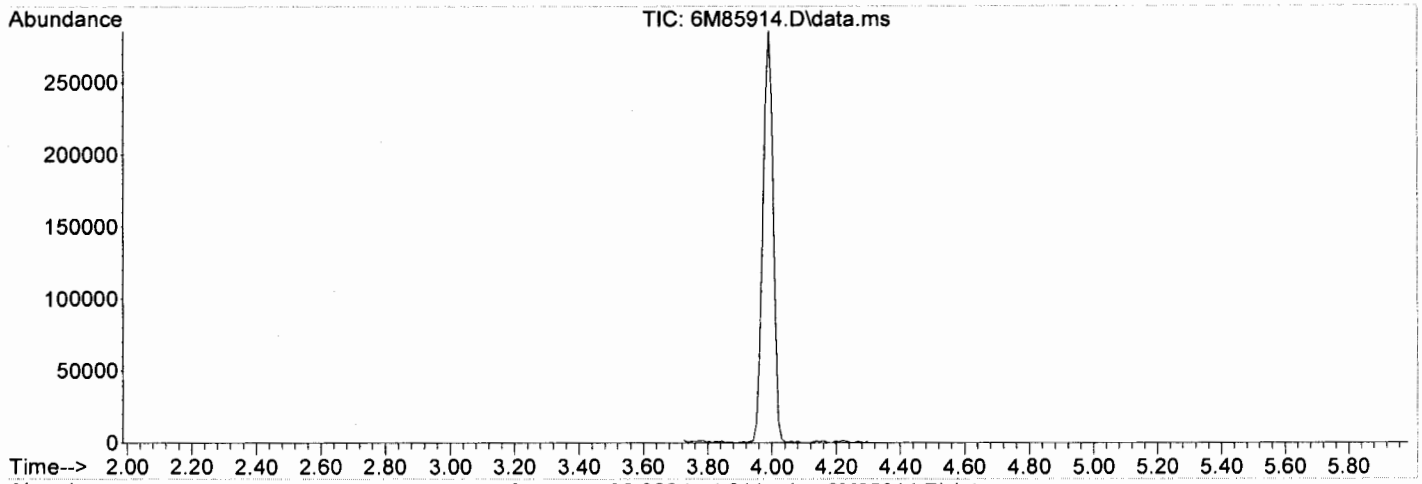
Data File	Sample Number	Analysis Date:
6M85915.D	BLK	07/12/12 09:12
6M85916.D	50 PPB	07/12/12 09:28
6M85917.D	BLK	07/12/12 09:44
6M85918.D	50 PPB	07/12/12 10:00
6M85919.D	BLK	07/12/12 10:16
6M85920.D	BLK	07/12/12 10:33
6M85921.D	BLK	07/12/12 10:49
6M85922.D	CAL @ 0.5 PPB	07/12/12 11:05
6M85923.D	CAL @ 2 PPB	07/12/12 11:21
6M85924.D	CAL @ 1 PPB	07/12/12 11:37
6M85925.D	CAL @ 5 PPB	07/12/12 11:53
6M85926.D	CAL @ 500 PPB	07/12/12 12:17
6M85927.D	CAL @ 250 PPB	07/12/12 12:34
6M85928.D	CAL @ 100 PPB	07/12/12 12:50
6M85929.D	CAL @ 50 PPB	07/12/12 13:06
6M85930.D	CAL @ 20 PPB	07/12/12 13:22
6M85931.D	50 PPB	07/12/12 13:38
6M85932.D	BLK	07/12/12 13:54
6M85934.D	50 PPB	07/12/12 14:14
6M85935.D	STD	07/12/12 14:31
6M85936.D	50 PPB	07/12/12 14:48
6M85937.D	BLK	07/12/12 15:04
6M85938.D	ICV	07/12/12 15:21
6M85939.D	STD	07/12/12 15:38
6M85940.D	BLK	07/12/12 15:54
6M85941.D	DAILY BLANK	07/12/12 16:10
6M85942.D	AC66944-007	07/12/12 16:26
6M85943.D	AC67010-001	07/12/12 16:42
6M85944.D	MBS18764	07/12/12 17:01
6M85945.D	AC66856-004	07/12/12 17:17
6M85946.D	AC66945-001	07/12/12 17:33
6M85947.D	AC66945-002	07/12/12 17:49
6M85948.D	AC66945-004	07/12/12 18:05
6M85949.D	AC66945-005	07/12/12 18:21
6M85950.D	AC66856-008	07/12/12 18:37
6M85951.D	AC66856-009	07/12/12 18:53
6M85952.D	AC66856-010	07/12/12 19:09
6M85953.D	AC66856-011(MS:	07/12/12 19:25
6M85954.D	AC66856-012(MSD	07/12/12 19:41
6M85955.D	AC66962-003	07/12/12 19:57
6M85956.D	AC66962-004	07/12/12 20:13
6M85957.D	AC66966-004	07/12/12 20:29
6M85958.D	AC66953-001	07/12/12 20:45
6M85959.D	STD	07/12/12 21:00
6M85960.D	BLK	07/12/12 21:16
6M85961.D	BLK	07/12/12 21:33
6M85962.D	BLK	07/12/12 21:49
6M85963.D	BLK	07/12/12 22:05

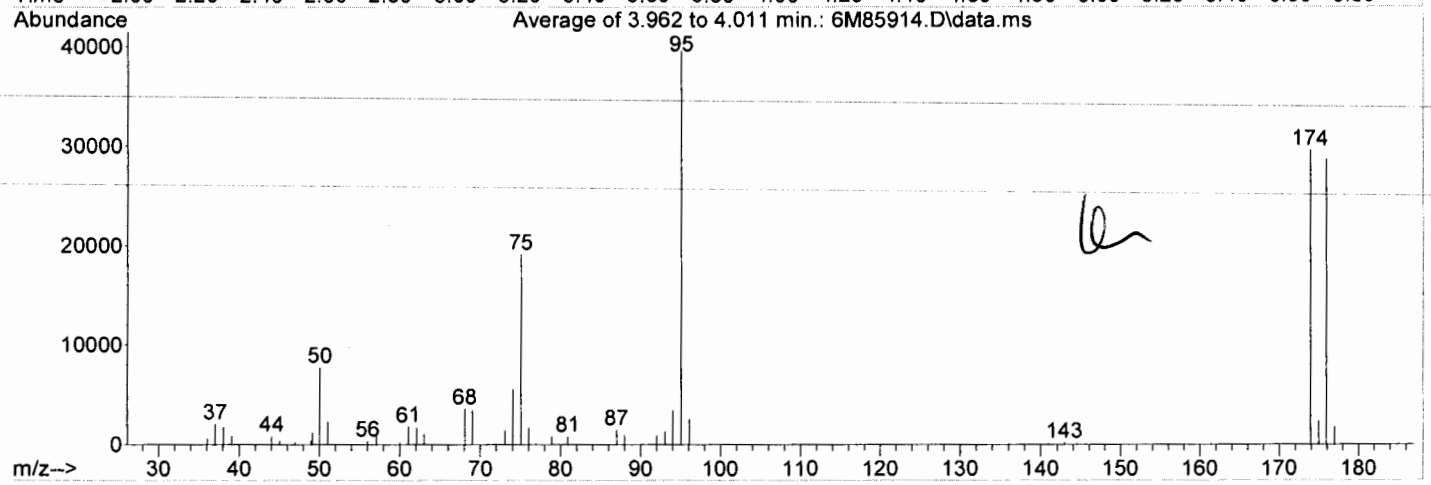
2071832 0110

Data Path : G:\GcMsData\2012\gcms_6\Data\07-12-12\
Data File : 6M85914.D
Acq On : 12 Jul 2012 8:55
Operator : DB
Sample : BFB TUNE
Misc : S,5g
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2012\gcms_6\MethodQt\6M_S0709.M
Title : @GCMS_6,ug,624,8260
Last Update : Mon Jul 09 12:46:03 2012





Spectrum Information: Average of 3.962 to 4.011 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.6	7735	PASS
75	95	30	60	48.4	19133	PASS
95	95	100	100	100.0	39511	PASS
96	95	5	9	6.6	2617	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	74.9	29575	PASS
175	174	5	9	8.0	2375	PASS
176	174	95	101	97.0	28692	PASS
177	176	5	9	6.0	1731	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 6

Data File: 6M86257.D
Analysis Date: 07/20/12 08:55
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.011 to 4.060 min

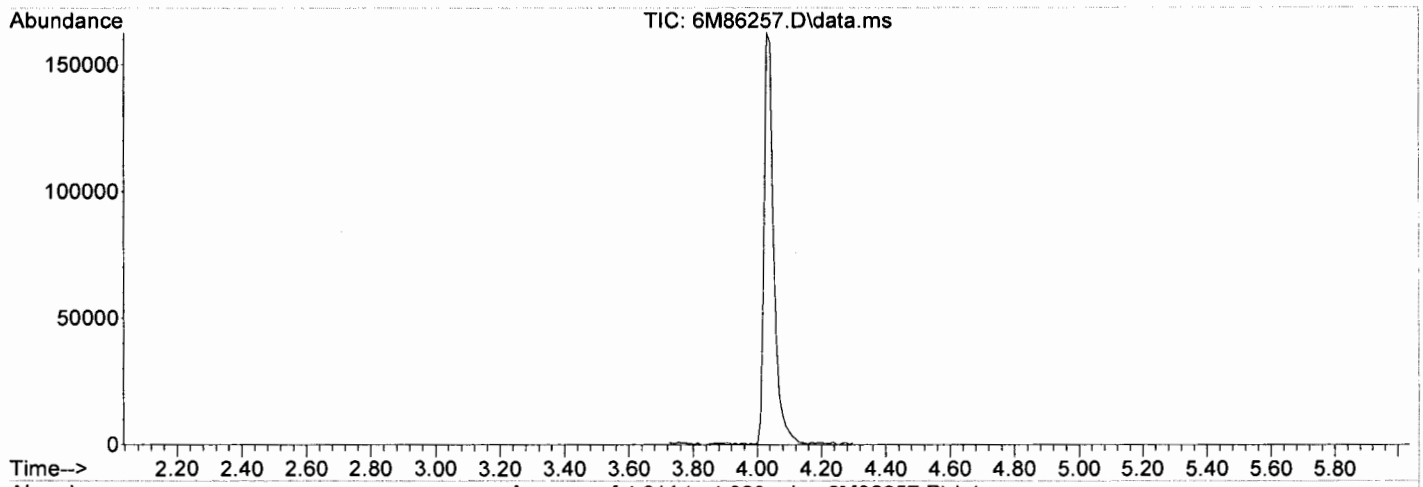
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	23.2	4249	PASS
75	95	30	60	52.9	9707	PASS
95	95	100	100	100.0	18342	PASS
96	95	5	9	6.5	1192	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	87.4	16040	PASS
175	174	5	9	7.4	1182	PASS
176	174	95	101	98.0	15712	PASS
177	176	5	9	7.3	1147	PASS

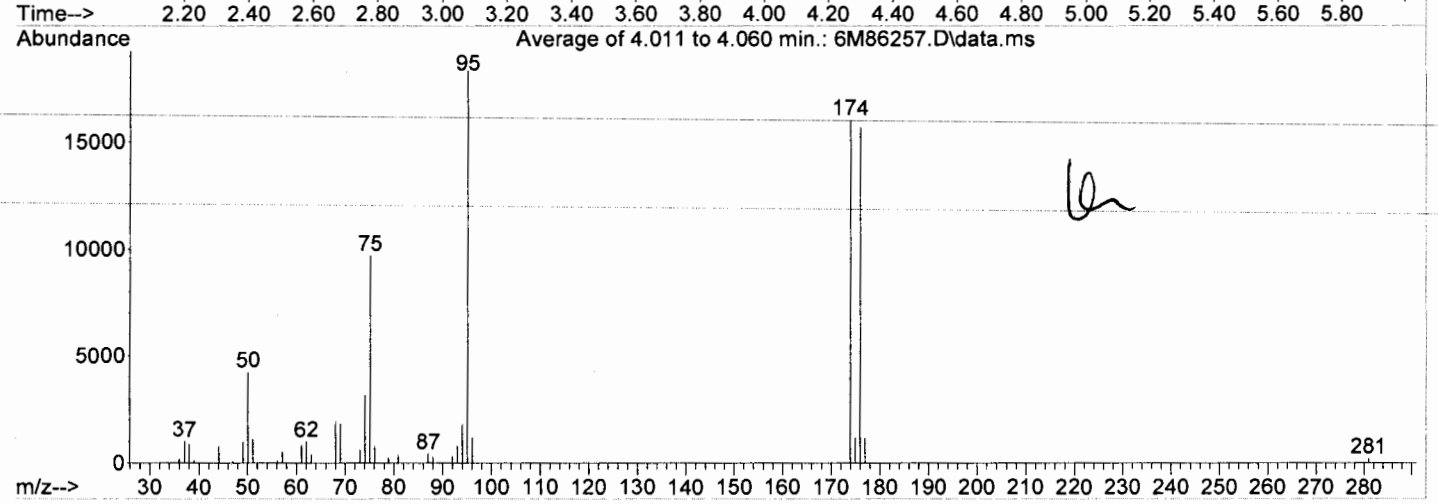
Data File	Sample Number	Analysis Date:
6M86258.D	CAL @ 50 PPB	07/20/12 09:11
6M86259.D	BLK	07/20/12 09:28
6M86260.D	DAILY BLANK	07/20/12 09:44
6M86261.D	MBS18837	07/20/12 10:00
6M86262.D	BLK	07/20/12 10:16
6M86263.D	AC67071-003	07/20/12 10:32
6M86264.D	AC67127-003	07/20/12 10:48
6M86265.D	AC67061-002	07/20/12 11:04
6M86266.D	BLK	07/20/12 11:20
6M86267.D	AC67152-001	07/20/12 11:36
6M86268.D	AC67160-004	07/20/12 11:53
6M86269.D	AC67160-003	07/20/12 12:09
6M86270.D	AC67152-003	07/20/12 12:25
6M86271.D	AC67152-004	07/20/12 12:41
6M86272.D	AC67137-001	07/20/12 13:50
6M86273.D	AC67137-002	07/20/12 14:06
6M86274.D	AC67150-001	07/20/12 14:22
6M86275.D	AC67150-002	07/20/12 14:45
6M86276.D	AC67150-003	07/20/12 15:01
6M86277.D	AC67152-004(MS)	07/20/12 15:17
6M86278.D	AC67152-004(MSD	07/20/12 15:33
6M86279.D	AC67160-002	07/20/12 15:49
6M86280.D	BLK	07/20/12 16:05
6M86281.D	AC67127-002	07/20/12 16:21
6M86282.D	AC67086-007	07/20/12 16:37
6M86283.D	AC67074-007	07/20/12 16:53
6M86284.D	MBS18843	07/20/12 17:09
6M86285.D	AC67152-001(MS)	07/20/12 17:25
6M86286.D	AC67152-001(MSD	07/20/12 17:41
6M86287.D	AC67160-001	07/20/12 17:57
6M86288.D	MBS18850	07/20/12 18:13
6M86289.D	AC67150-001(MS)	07/20/12 18:29
6M86290.D	AC67150-001(MSD	07/20/12 18:45
6M86291.D	BLK	07/20/12 19:01
6M86292.D	AC67061-013	07/20/12 19:17
6M86293.D	AC67061-026	07/20/12 19:33
6M86294.D	AC67098-001	07/20/12 19:50
6M86295.D	AC67074-009	07/20/12 20:06
6M86296.D	AC67074-010	07/20/12 20:22
6M86297.D	AC67074-005	07/20/12 20:37
6M86298.D	MBS18851	07/20/12 20:54
6M86299.D	AC67150-002(MS)	07/20/12 21:09
6M86300.D	AC67150-002(MSD	07/20/12 21:25
6M86301.D	BLK	07/20/12 21:42
6M86302.D	67086-006	07/20/12 21:57
6M86303.D	67186-007	07/20/12 22:13
6M86304.D	67186-008	07/20/12 22:29

Data Path : G:\GcMsData\2012\gcms_6\Data\07-20-12\
Data File : 6M86257.D
Acq On : 20 Jul 2012 8:55
Operator : WP
Sample : BFB TUNE
Misc : S,5G
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2012\gcms_6\MethodQt\6M_S0712.M
Title : @GCMS_6,ug,624,8260
Last Update : Thu Jul 12 13:34:13 2012





Spectrum Information: Average of 4.011 to 4.060 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.2	4249	PASS
75	95	30	60	52.9	9707	PASS
95	95	100	100	100.0	18342	PASS
96	95	5	9	6.5	1192	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	87.4	16040	PASS
175	174	5	9	7.4	1182	PASS
176	174	95	101	98.0	15712	PASS
177	176	5	9	7.3	1147	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 6

Data File: 6M86310.D
Analysis Date: 07/22/12 10:04
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.038 to 4.047 min

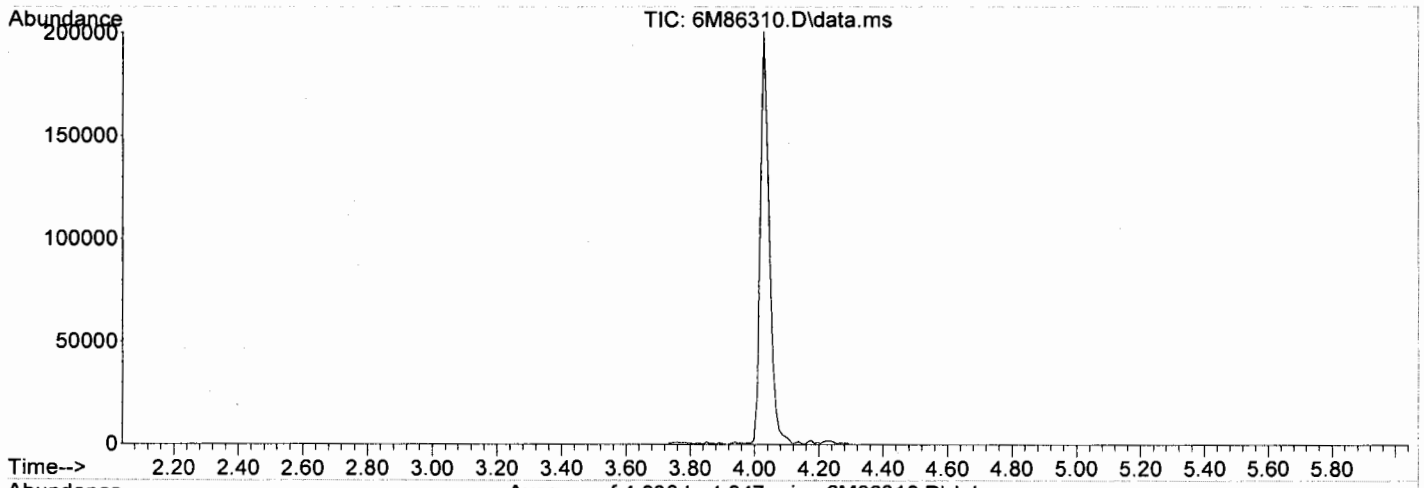
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	16.4	4236	PASS
75	95	30	60	48.5	12534	PASS
95	95	100	100	100.0	25840	PASS
96	95	5	9	8.7	2238	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	89.7	23185	PASS
175	174	5	9	6.8	1572	PASS
176	174	95	101	99.2	22996	PASS
177	176	5	9	5.9	1363	PASS

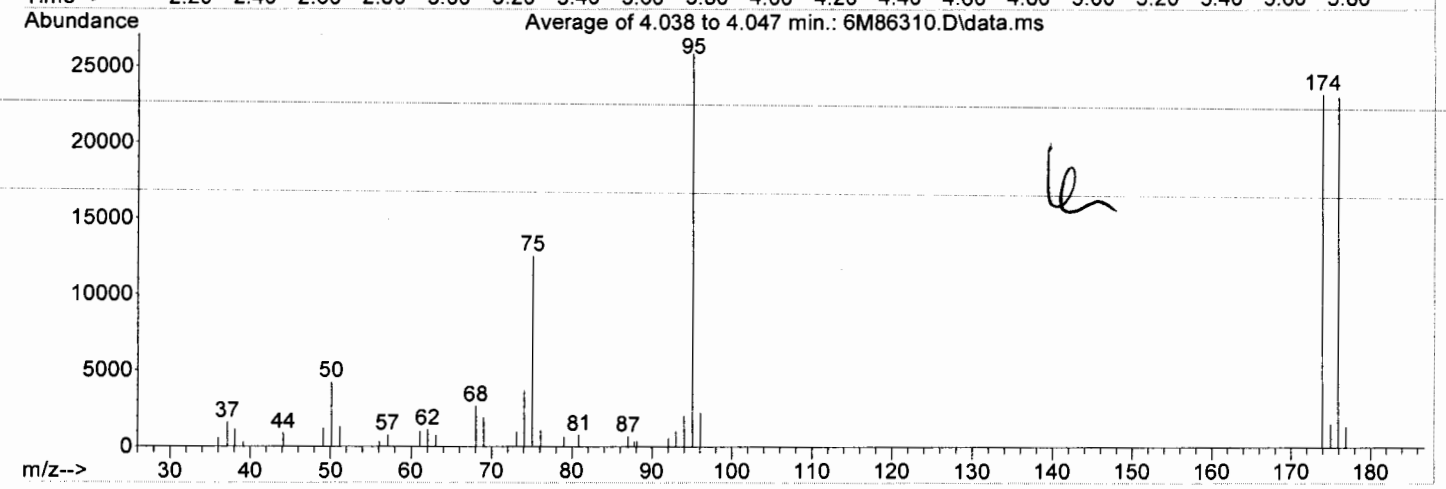
Data File	Sample Number	Analysis Date:
6M86311.D	CAL @ 50 PPB	07/22/12 10:20
6M86312.D	BLK	07/22/12 10:37
6M86313.D	DAILY BLANK	07/22/12 10:53
6M86314.D	MBS18852	07/22/12 11:09
6M86315.D	AC67150-003(MS)	07/22/12 11:27
6M86316.D	AC67150-003(MSD	07/22/12 11:43
6M86317.D	AC67160-002(MS)	07/22/12 11:59
6M86318.D	AC67160-002(MSD	07/22/12 12:15
6M86319.D	MBS18854	07/22/12 12:31
6M86320.D	BLK	07/22/12 12:47
6M86321.D	AC67184-001	07/22/12 13:03
6M86322.D	AC67184-004	07/22/12 13:19
6M86323.D	AC67184-014	07/22/12 13:35
6M86324.D	AC67184-016	07/22/12 13:51
6M86325.D	AC67184-022	07/22/12 14:07
6M86326.D	AC67184-023	07/22/12 14:23
6M86327.D	AC67184-030	07/22/12 14:39
6M86328.D	AC67186-001	07/22/12 14:55
6M86329.D	AC67186-004	07/22/12 15:12
6M86330.D	AC67186-005	07/22/12 15:28
6M86331.D	AC67186-010	07/22/12 15:44
6M86332.D	AC67186-011	07/22/12 16:00
6M86333.D	BLK	07/22/12 16:16
6M86334.D	BLK	07/22/12 16:32
6M86335.D	AC67186-012	07/22/12 16:48
6M86336.D	AC67157-001	07/22/12 17:04
6M86337.D	AC67157-002	07/22/12 17:20
6M86338.D	AC67157-003	07/22/12 17:36
6M86339.D	AC67157-004	07/22/12 17:52
6M86340.D	AC67157-005	07/22/12 18:08
6M86341.D	AC67123-001	07/22/12 18:24
6M86342.D	AC67186-002	07/22/12 18:40
6M86343.D	AC67150-002(MS)	07/22/12 18:56
6M86344.D	AC67150-002(MSD	07/22/12 19:12
6M86345.D	MBS18855	07/22/12 19:28
6M86346.D	AC67152-005	07/22/12 19:44
6M86347.D	AC67152-007	07/22/12 20:00
6M86348.D	AC67152-008	07/22/12 20:16
6M86349.D	AC67152-009	07/22/12 20:32
6M86350.D	AC67152-002	07/22/12 20:48
6M86351.D	AC67169-001	07/22/12 21:04
6M86352.D	AC67169-002	07/22/12 21:19
6M86353.D	AC67169-011	07/22/12 21:35
6M86354.D	AC67137-003	07/22/12 21:52
6M86355.D	AC67152-006	07/22/12 22:07
6M86356.D	BLK	07/22/12 22:23
6M86357.D	BLK	07/22/12 22:39
6M86358.D	BLK	07/22/12 22:55
6M86359.D	BLK	07/23/12 07:07

Data Path : G:\GcMsData\2012\gcms_6\Data\07-22-12\
Data File : 6M86310.D
Acq On : 22 Jul 2012 10:04
Operator : WP
Sample : BFB TUNE
Misc : S,5G
ALS Vial : 3 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2012\gcms_6\MethodQt\6M_S0712.M
Title : @GCMS_6,ug,624,8260
Last Update : Thu Jul 12 13:34:13 2012





Spectrum Information: Average of 4.038 to 4.047 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.4	4236	PASS
75	95	30	60	48.5	12534	PASS
95	95	100	100	100.0	25840	PASS
96	95	5	9	8.7	2238	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	89.7	23185	PASS
175	174	5	9	6.8	1572	PASS
176	174	95	101	99.2	22996	PASS
177	176	5	9	5.9	1363	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 6

Data File: 6M86370.D
Analysis Date: 07/23/12 10:22
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.012 to 4.061 min

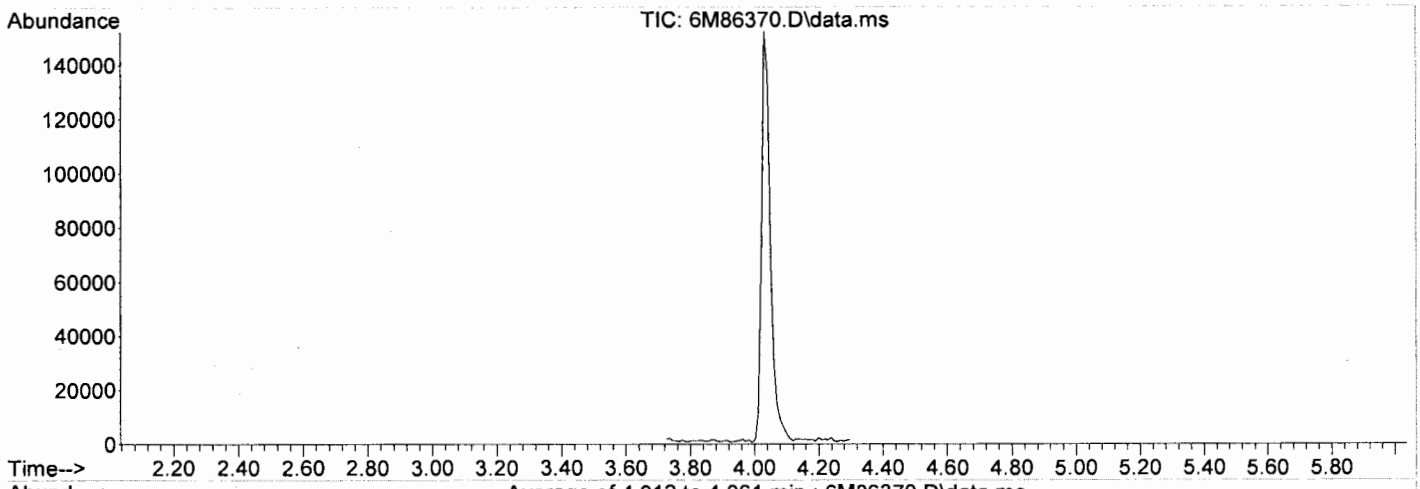
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	23.4	3792	PASS
75	95	30	60	52.2	8436	PASS
95	95	100	100	100.0	16176	PASS
96	95	5	9	6.3	1021	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	85.2	13782	PASS
175	174	5	9	7.7	1059	PASS
176	174	95	101	99.9	13769	PASS
177	176	5	9	6.0	828	PASS

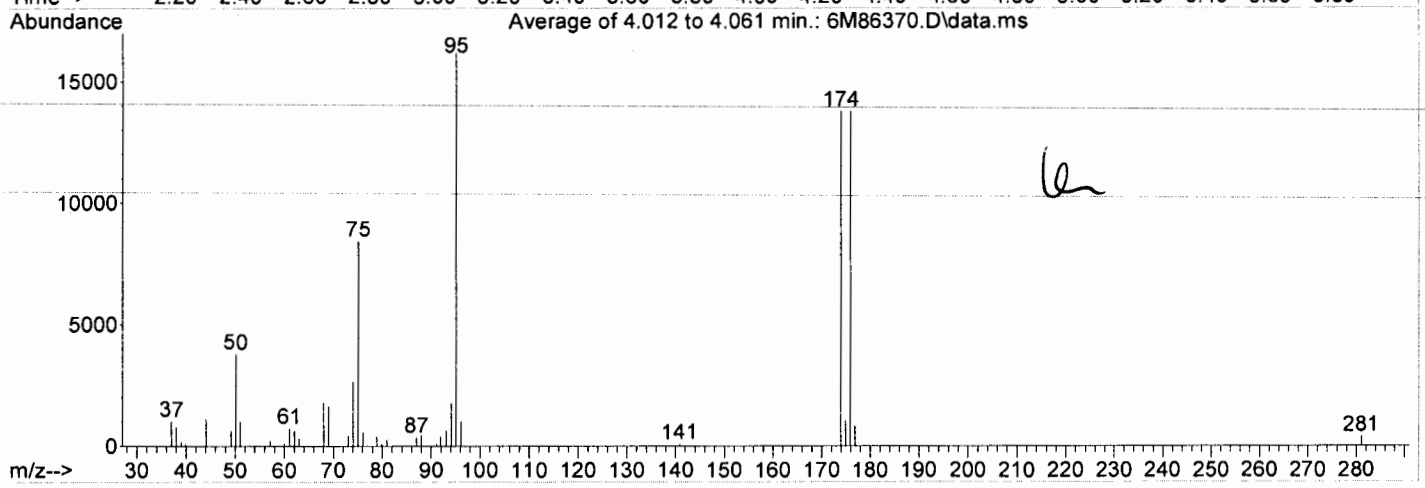
Data File	Sample Number	Analysis Date:
6M86371.D	50 PPB	07/23/12 10:38
6M86372.D	BLK	07/23/12 10:55
6M86373.D	CAL @ 50 PPB	07/23/12 11:11
6M86374.D	BLK	07/23/12 11:27
6M86375.D	DAILY BLANK	07/23/12 11:44
6M86376.D	MBS18862	07/23/12 12:12
6M86377.D	BLK	07/23/12 12:28
6M86378.D	AC67157-003	07/23/12 12:44
6M86379.D	AC67186-012	07/23/12 13:00
6M86380.D	AC67152-006	07/23/12 13:16
6M86381.D	AC67074-006	07/23/12 13:36
6M86382.D	AC67074-003	07/23/12 13:52
6M86383.D	AC67193-001(MS)	07/23/12 14:08
6M86384.D	67074-003	07/23/12 14:24
6M86385.D	AC67193-001(MSD	07/23/12 14:40
6M86386.D	BLK	07/23/12 14:56
6M86387.D	AC67193-001	07/23/12 15:12
6M86388.D	AC67193-002	07/23/12 15:28
6M86389.D	AC67193-003	07/23/12 15:44
6M86390.D	AC67193-004	07/23/12 16:00
6M86391.D	AC67193-005	07/23/12 16:16
6M86392.D	MBS18868	07/23/12 16:32
6M86393.D	AC67193-005(MS)	07/23/12 16:48
6M86394.D	AC67193-005(MSD	07/23/12 17:04
6M86395.D	BLK	07/23/12 17:20
6M86396.D	67193-001	07/23/12 17:36
6M86397.D	67193-002	07/23/12 17:51
6M86398.D	67193-003	07/23/12 18:07
6M86399.D	67193-004	07/23/12 18:23
6M86400.D	67193-005	07/23/12 18:38
6M86401.D	67201-001	07/23/12 18:54
6M86402.D	67201-002	07/23/12 19:10
6M86403.D	67201-003	07/23/12 19:25
6M86404.D	67201-004	07/23/12 19:41
6M86405.D	67201-005	07/23/12 19:57
6M86406.D	67201-006	07/23/12 20:13
6M86407.D	67201-007	07/23/12 20:28
6M86408.D	67201-008	07/23/12 20:44
6M86409.D	67201-009	07/23/12 20:59
6M86410.D	67201-010	07/23/12 21:15
6M86411.D	67213-003	07/23/12 21:31
6M86412.D	67213-004	07/23/12 21:47
6M86413.D	BLK	07/24/12 07:52

Data Path : G:\GcMsData\2012\gcms_6\Data\07-23-12\
Data File : 6M86370.D
Acq On : 23 Jul 2012 10:22
Operator : WP
Sample : BFB TUNE
Misc : S,5g
ALS Vial : 51 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2012\gcms_6\MethodQt\6M_S0712.M
Title : @GCMS_6,ug,624,8260
Last Update : Thu Jul 12 13:34:13 2012





Spectrum Information: Average of 4.012 to 4.061 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.4	3792	PASS
75	95	30	60	52.2	8436	PASS
95	95	100	100	100.0	16176	PASS
96	95	5	9	6.3	1021	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	85.2	13782	PASS
175	174	5	9	7.7	1059	PASS
176	174	95	101	99.9	13769	PASS
177	176	5	9	6.0	828	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 6

Data File: 6M86571.D
Analysis Date: 07/27/12 12:45
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.041 to 4.071 min

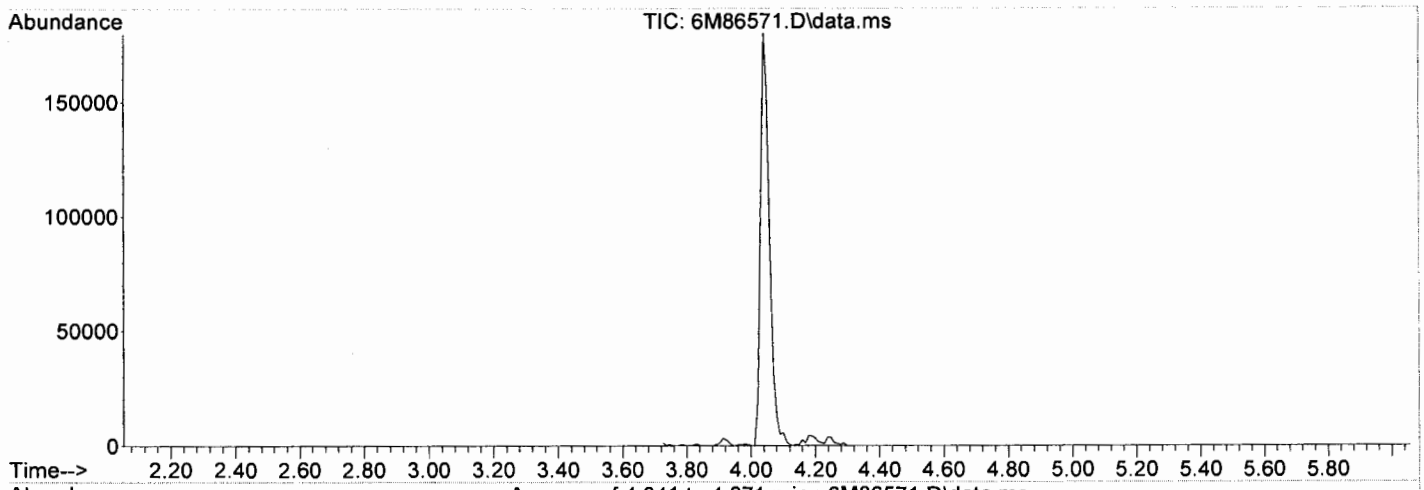
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	21.0	4744	PASS
75	95	30	60	53.7	12140	PASS
95	95	100	100	100.0	22607	PASS
96	95	5	9	6.3	1431	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	94.0	21250	PASS
175	174	5	9	7.7	1627	PASS
176	174	95	101	99.7	21190	PASS
177	176	5	9	6.7	1418	PASS

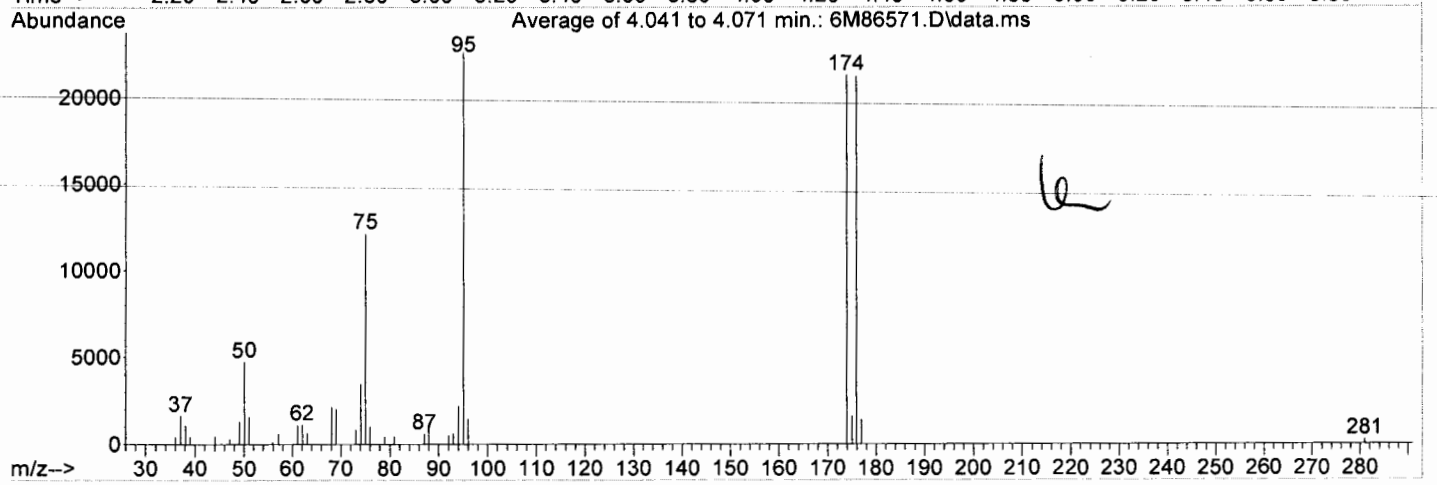
Data File	Sample Number	Analysis Date:
6M86572.D	BLK	07/27/12 13:01
6M86573.D	50 PPB	07/27/12 13:17
6M86574.D	CAL @ 50 PPB	07/27/12 13:42
6M86575.D	BLK	07/27/12 13:58
6M86576.D	DAILY BLANK	07/27/12 14:40
6M86577.D	MBS19242	07/27/12 14:56
6M86578.D	BLK	07/27/12 15:20
6M86579.D	AC67186-003	07/27/12 15:36
6M86580.D	AC67291-003	07/27/12 15:52
6M86581.D	AC67291-004	07/27/12 16:09
6M86582.D	AC67291-005	07/27/12 16:25
6M86583.D	AC67276-002	07/27/12 16:42
6M86584.D	AC67276-003	07/27/12 16:58
6M86585.D	AC67276-004	07/27/12 17:14
6M86586.D	AC67276-006	07/27/12 17:30
6M86587.D	AC67276-007	07/27/12 17:46
6M86588.D	BLK	07/27/12 18:02
6M86589.D	MBS19247	07/27/12 18:18
6M86590.D	AC67266-006	07/27/12 18:34
6M86591.D	AC67266-003	07/27/12 18:50
6M86592.D	AC67269-001	07/27/12 19:06
6M86593.D	AC67266-002(5X)	07/27/12 19:22
6M86594.D	AC67300-002(MS)	07/27/12 19:38
6M86595.D	AC67300-002(MSD	07/27/12 19:54
6M86596.D	AC67300-002	07/27/12 20:10
6M86597.D	AC67300-001	07/27/12 20:26
6M86598.D	AC67300-003	07/27/12 20:42
6M86599.D	AC67300-004	07/27/12 20:58
6M86600.D	AC67300-005	07/27/12 21:14
6M86601.D	AC67300-006	07/27/12 21:30
6M86602.D	AC67300-007	07/27/12 21:46
6M86603.D	AC67300-008	07/27/12 22:02
6M86604.D	AC67300-009	07/27/12 22:18
6M86605.D	AC67300-012	07/27/12 22:34
6M86606.D	BLK	07/27/12 22:50
6M86607.D	AC67276-006	07/27/12 23:06
6M86608.D	AC67313-002	07/27/12 23:22
6M86609.D	MBS19256	07/27/12 23:38
6M86610.D	AC67300-003(MS)	07/27/12 23:54
6M86611.D	AC67300-003(MSD	07/28/12 00:10
6M86612.D	BLK	07/28/12 00:26
6M86613.D	BLK	07/28/12 00:42

Data Path : G:\GcMsData\2012\gcms_6\Data\07-27-12\
Data File : 6M86571.D
Acq On : 27 Jul 2012 12:45
Operator : WP
Sample : BFB TUNE
Misc : S,5g
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2012\gcms_6\MethodQt\6M_S0712.M
Title : @GCMS_6,ug,624,8260
Last Update : Thu Jul 12 13:34:13 2012





Spectrum Information: Average of 4.041 to 4.071 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.0	4744	PASS
75	95	30	60	53.7	12140	PASS
95	95	100	100	100.0	22607	PASS
96	95	5	9	6.3	1431	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	94.0	21250	PASS
175	174	5	9	7.7	1627	PASS
176	174	95	101	99.7	21190	PASS
177	176	5	9	6.7	1418	PASS

Method: EPA 8260B

Initial Calibration

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	6M85930.	CAL @ 20 PPB	07/12/12 13:22	2	6M85925.	CAL @ 5 PPB	07/12/12 11:53
3	6M85923.	CAL @ 2 PPB	07/12/12 11:21	4	6M85929.	CAL @ 50 PPB	07/12/12 13:06
5	6M85928.	CAL @ 100 PPB	07/12/12 12:50	6	6M85927.	CAL @ 250 PPB	07/12/12 12:34
7	6M85926.	CAL @ 500 PPB	07/12/12 12:17	8	6M85924.	CAL @ 1 PPB	07/12/12 11:37
9	6M85922.	CAL @ 0.5 PPB	07/12/12 11:05				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Chlorodifluoromethane	1	0	Avg	0.7892	0.6718	0.8391	0.5819	0.7226	0.6298	0.6543	-----	-----	0.698	1.37	0.999	0.999	13		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Dichlorodifluoromethan	1	0	LinF	0.9056	0.9193	1.0039	0.6990	0.8891	0.7400	-----	-----	-----	0.860	1.36	0.993	0.996	14		20.00	5.00	2.00	50.00	100.0	250.0			
Chloromethane	1	0	LinF	0.6524	0.5504	0.6529	0.5345	0.5800	0.5333	0.5056	-----	-----	0.573	1.50	0.999	1.00	10	**(0.100)	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Bromomethane	1	0	Avg	0.4487	0.3753	0.3651	0.3773	0.3868	0.3387	0.3102	-----	-----	0.372	1.82	0.997	1.00	12		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Vinyl Chloride	1	0	Avg	0.8768	0.7712	0.9241	0.7256	0.7886	0.6933	0.6808	-----	-----	0.780	1.58	0.999	0.999	12	*(30)	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Chloroethane	1	0	Avg	0.4829	0.4190	0.5232	0.4094	0.4257	0.3741	0.3774	-----	-----	0.430	1.90	0.999	0.999	13		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Trichlorofluoromethane	1	0	LinF	0.8226	0.8400	1.2343	0.7120	0.7850	0.6541	0.7093	-----	-----	0.823	2.10	0.998	0.998	24		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Ethyl ether	1	0	Avg	0.4511	0.4016	0.3210	0.3668	0.4016	0.3571	0.3452	-----	-----	0.378	2.30	0.999	1.00	12		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Furan	1	0	Avg	1.5205	1.2232	1.3473	1.3389	1.4510	1.2685	1.2200	-----	-----	1.34	2.33	0.999	0.999	8.5		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1.1.2-Trichloro-1.2.2-tri	1	0	LinF	0.8202	0.8078	1.0636	0.6972	0.7170	0.5887	0.5800	-----	-----	0.754	2.48	0.998	0.999	22		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Methylene Chloride	1	0	LinF	0.6293	0.6450	0.8157	0.5181	0.5441	0.4859	0.4829	-----	-----	0.589	2.83	0.999	1.00	20		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Acrolein	1	0	Avg	0.0348	0.0326	0.0317	0.0306	0.0316	0.0297	0.0290	-----	-----	0.0315	2.39	1.00	1.00	6.1		100.0	25.00	10.00	250.0	500.0	1250.	2500.		
Acrylonitrile	1	0	Avg	0.0818	0.0577	0.0555	0.0656	0.0710	0.0680	0.0602	-----	-----	0.0657	3.00	0.996	1.00	14		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Iodomethane	1	0	Avg	0.8568	0.7877	0.7334	0.7945	0.8731	0.7864	0.7327	-----	-----	0.795	2.59	0.998	1.00	6.8		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Acetone	1	0	Lin	0.0997	0.1245	0.2162	0.0752	0.0710	0.0662	0.0602	-----	-----	0.102	2.50	0.998	1.00	54		100.0	25.00	10.00	250.0	500.0	1250.	2500.		
Carbon Disulfide	1	0	Avg	1.5430	1.4713	1.5853	1.4397	1.6767	1.4695	1.6625	-----	-----	1.55	2.66	0.997	0.999	6.2		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
t-Butyl Alcohol	1	0	LinF	0.0196	0.0141	0.0111	0.0159	0.0166	0.0166	0.0142	-----	-----	0.0155	2.90	0.994	1.00	17		100.0	25.00	10.00	250.0	500.0	1250.	2500.		
n-Hexane	1	0	Avg	1.0081	1.0854	1.1242	1.0337	1.1890	0.9607	0.9180	-----	-----	1.05	3.27	0.997	0.998	9.0		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Di-isopropyl-ether	1	0	Avg	2.1150	1.7753	1.6315	1.9966	2.1793	2.0037	1.8810	-----	-----	1.94	3.43	0.998	1.00	9.9		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1.1-Dichloroethene	1	0	Avg	1.0256	1.0704	1.1294	0.9361	1.0351	0.8713	0.8857	-----	-----	0.993	2.49	0.999	0.999	9.8	*(30)	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Methyl Acetate	1	0	Avg	0.3274	0.2897	0.2422	0.2605	0.2724	0.2537	0.2420	-----	-----	0.270	2.76	0.999	1.00	11		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Methyl-t-butyl ether	1	0	Avg	1.2820	0.9127	0.8320	1.0651	1.1106	1.0165	0.9367	0.9281	-----	1.01	3.05	0.998	1.00	14		20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
1.1-Dichloroethane	1	0	Avg	1.0138	0.9439	0.8057	0.9160	1.0454	0.8970	0.9090	-----	-----	0.933	3.38	0.999	0.999	8.5	**(0.100)	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
trans-1.2-Dichloroether	1	0	Avg	0.5403	0.5273	0.5819	0.5065	0.5592	0.4624	0.4804	-----	-----	0.523	3.05	0.998	0.998	8.1		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
cis-1.2-Dichloroethene	1	0	Avg	1.0389	0.9351	1.0455	0.9411	1.0957	0.9486	0.9101	-----	-----	0.988	3.82	0.998	0.999	7.2		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Bromochloromethane	1	0	Avg	0.3897	0.3298	0.3065	0.3384	0.3773	0.3300	0.3464	-----	-----	0.345	3.98	0.999	0.999	8.4		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
2.2-Dichloropropane	1	0	Avg	0.9618	0.7088	0.8105	0.8804	0.9451	0.8506	0.7900	-----	-----	0.850	3.83	0.998	1.00	10		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Ethyl acetate	1	0	Avg	0.4942	0.3329	0.4375	0.4100	0.4204	0.4057	0.3735	-----	-----	0.411	3.87	0.998	1.00	12		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1.4-Dioxane	1	0	Avg	0.0017	0.0011	0.0011	0.0014	0.0015	0.0016	0.0014	-----	-----	0.00145	4.92	0.996	0.999	15		1000.	250.0	100.0	2500.	5000.	1250	2500		
1.1-Dichloropropene	1	0	Avg	1.1238	1.0180	1.0971	1.0154	1.0379	0.8466	0.7461	-----	-----	0.984	4.27	0.992	0.999	14		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Chloroform	1	0	Avg	0.9783	0.8819	0.9445	0.8652	0.9361	0.8051	0.7685	-----	-----	0.883	4.03	0.998	0.999	8.7	*(30)	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Dibromofluoromethane	1	0	Avg	0.2373	0.2092	0.1941	0.2112	0.1978	0.1951	0.1929	0.1999	0.2487	0.210	4.13	-1	-1	9.6		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Cyclohexane	1	0	Avg	1.5271	1.3066	1.4009	1.3845	1.3845	1.1809	1.0337	-----	-----	1.32	4.21	0.993	1.00	12		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1.2-Dichloroethane-d4	1	0	Avg	0.1361	0.1202	0.1209	0.1185	0.1109	0.1048	0.1019	0.1124	0.1405	0.118	4.34	-1	-1	11		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
1.2-Dichloroethane	1	0	LinF	0.7621	0.7315	0.7900	0.6708	0.6684	0.5576	0.4929	-----	-----	0.668	4.39	0.993	0.999	16		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
2-Butanone	1	0	LinF	0.1790	0.1689	0.1602	0.1355	0.1321	0.1189	-----	-----	-----	0.149	3.82	0.997	0.999	16		20.00	5.00	2.00	50.00	100.0	250.0			
1.1.1-Trichloroethane	1	0	Avg	1.1080	0.9596	1.0965	1.0165	1.0504	0.9342	0.8561	-----	-----	1.00	4.17	0.997	1.00	9.1		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Carbon Tetrachloride	1	0	Avg	0.9864	0.8695	0.9310	0.8732	0.8878	0.7444	0.6032	-----	-----	0.842	4.27	0.984	1.00	15		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Vinyl Acetate	1	0	Avg	0.3836	0.3504	0.3956	0.4364	0.5190	0.4463	0.4010	-----	-----	0.419	3.43	0.995	0.999	13		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Bromodichloromethane	1	0	Avg	0.7185	0.5922	0.5760	0.6332	0.6796	0.6313	0.5813	-----	-----	0.630	4.98	0.998	1.00	8.5		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Methylcyclohexane	1	0	Avg	0.9197	1.0775	1.1236	0.9261	1.1230	0.8464	0.7801	-----	-----	0.971	4.85	0.992	0.997	14		20.00	5.00	2.00	50.00	100.0	250.0	500.0		

Flags

a - failed the spcc criteria — ** - ccc compound*
b - failed the ccc criteria — *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 13.5

Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Method: EPA 8260B

Initial Calibration

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	6M85930.	CAL @ 20 PPB	07/12/12 13:22	2	6M85925.	CAL @ 5 PPB	07/12/12 11:53
3	6M85923.	CAL @ 2 PPB	07/12/12 11:21	4	6M85929.	CAL @ 50 PPB	07/12/12 13:06
5	6M85928.	CAL @ 100 PPB	07/12/12 12:50	6	6M85927.	CAL @ 250 PPB	07/12/12 12:34
7	6M85926.	CAL @ 500 PPB	07/12/12 12:17	8	6M85924.	CAL @ 1 PPB	07/12/12 11:37
9	6M85922.	CAL @ 0.5 PPB	07/12/12 11:05				

mpound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
bromomethane	1	0	Avg	0.2830	0.2612	0.2440	0.2303	0.2455	0.2127	0.2086	-----	-----	0.241	4.91	0.999	0.999	11		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1.2-Dichloropropane	1	0	Avg	0.6525	0.5427	0.5488	0.5702	0.5691	0.4917	0.4080	-----	-----	0.540	4.84	0.988	1.00	14	*(30)	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Trichloroethene	1	0	Avg	0.7090	0.7172	0.7382	0.6248	0.6515	0.5433	-----	-----	-----	0.664	4.74	0.994	0.999	11		20.00	5.00	2.00	50.00	100.0	250.0			
Benzene	1	0	Avg	2.5377	2.5001	2.5268	2.3900	2.5245	2.1482	1.7114	2.8792	-----	2.40	4.39	0.982	1.00	14		20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
tert-Amyl methyl ether	1	0	Avg	1.1146	0.7982	0.8212	1.0113	1.1148	1.0198	0.9409	-----	-----	0.974	4.45	0.998	1.00	13		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Iso-propylacetate	1	0	Avg	1.7242	1.3425	1.3925	1.6265	1.6582	1.6981	2.0346	-----	-----	1.64	4.41	0.993	1.00	14		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Methyl methacrylate	1	0	LinF	0.5361	0.4085	0.4004	0.4694	0.5343	0.5647	0.6858	-----	-----	0.514	4.89	0.992	1.00	19		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Dibromochloromethane	1	0	Avg	0.7395	0.5500	0.5974	0.7455	0.7758	0.7708	0.7747	-----	-----	0.708	5.79	1.00	1.00	13		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
2-Chloroethylvinylether	1	0	Lin	0.4137	0.3316	0.3505	0.4428	0.4589	0.4648	0.5581	-----	-----	0.432	5.13	0.993	1.00	18		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
cis-1.3-Dichloropropene	1	0	Lin	1.5776	1.0967	1.3085	1.5184	1.5821	1.6122	2.0124	-----	-----	1.53	5.21	0.991	1.00	19		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
trans-1.3-Dichloroprope	1	0	LinF	1.0322	0.6904	0.8559	1.0740	1.1517	1.1890	-----	-----	-----	0.999	5.48	1.00	1.00	19		20.00	5.00	2.00	50.00	100.0	250.0			
Ethyl methacrylate	1	0	Avg	0.5401	0.4167	0.4565	0.5017	0.5773	0.5495	0.6562	-----	-----	0.528	5.52	0.994	0.999	15		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1.1.2-Trichloroethane	1	0	Avg	0.6906	0.6437	0.6849	0.6257	0.6226	0.5930	0.7227	-----	-----	0.655	5.58	0.992	0.999	7.0		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1.2-Dibromoethane	1	0	Avg	0.5790	0.5495	0.5339	0.5876	0.5891	0.5638	0.5841	-----	-----	0.570	5.86	1.00	1.00	3.7		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1.3-Dichloropropane	1	0	Avg	1.3021	1.0577	1.2891	1.2260	1.1901	1.0919	1.2368	-----	-----	1.20	5.67	0.997	0.999	7.8		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
4-Methyl-2-Pentanone	1	0	Avg	0.5798	0.4766	0.4305	0.5613	0.5781	0.5807	0.6754	-----	-----	0.555	5.28	0.995	1.00	14		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
2-Hexanone	1	0	LinF	0.3322	0.2073	0.1642	0.3084	0.3401	0.3269	0.3578	-----	-----	0.291	5.70	0.998	1.00	26		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Tetrachloroethene	1	0	LinF	0.9561	1.2051	1.3514	0.9232	1.0387	0.8641	1.0134	-----	-----	1.05	5.68	0.994	0.998	16		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Toluene-d8	1	0	Avg	1.6784	1.8930	1.6919	1.7520	1.7797	1.8679	-----	1.7036	-----	1.77	5.36	-1	-1	4.8		30.00	30.00	30.00	30.00	30.00	30.00		30.00	
Toluene	1	0	Avg	2.5104	2.9855	2.9817	2.3809	2.7058	2.3126	2.8645	3.5146	-----	2.78	5.39	0.992	0.998	14	*(30)	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
1.1.1.2-Tetrachloroetha	1	0	Avg	0.7763	0.7219	0.7591	0.7970	0.8496	0.7165	0.7359	-----	-----	0.765	6.14	0.999	0.999	6.2		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Chlorobenzene	1	0	LinF	2.2933	2.5093	3.6564	2.1899	2.3751	1.9971	2.3157	-----	-----	2.48	6.11	0.995	0.998	22	**(0.300)	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
n-Butyl acrylate	1	0	Qua	1.9743	1.4367	1.1026	2.1043	2.7001	1.8701	1.6505	-----	-----	1.83	6.36	0.983	0.994	28		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
n-Amyl acetate	1	0	Qua	2.4019	1.8814	1.6129	2.3725	3.0457	1.9881	2.0266	-----	-----	2.19	6.48	0.989	0.990	21		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Bromoform	1	0	Qua	0.6678	0.7717	0.5843	0.7616	0.9983	0.7455	0.6378	-----	-----	0.738	6.53	0.984	0.996	18	**(0.100)	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Ethylbenzene	1	0	Avg	2.8443	2.7366	2.9840	2.9385	3.4998	-----	-----	3.9527	-----	3.16	6.16	0.993	1.00	15	*(30)	20.00	5.00	2.00	50.00	100.0			1.00	
1.1.2.2-Tetrachloroetha	1	0	Avg	1.1443	1.1746	1.1549	1.1340	1.4018	0.8795	0.9515	-----	-----	1.12	6.75	0.988	0.988	15	**(0.300)	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Bromofluorobenzene	1	0	Avg	0.9993	1.0616	0.9499	1.0413	1.1894	0.8718	0.8968	1.0983	0.9740	1.01	6.70	-1	-1	9.9		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Styrene	1	0	Avg	5.0373	4.9829	4.0813	4.8244	5.8173	-----	-----	-----	-----	4.95	6.43	0.993	0.999	13		20.00	5.00	2.00	50.00	100.0				
m&p-Xylenes	1	0	LinF	3.5386	3.3367	3.3269	3.2273	3.9400	-----	-----	4.8274	4.2762	3.78	6.22	0.992	0.999	16		40.00	10.00	4.00	100.0	200.0			2.00	1.00
o-Xylene	1	0	LinF	3.2978	3.4632	2.8329	3.0418	3.6873	-----	-----	4.6455	-----	3.49	6.42	0.992	0.999	18		20.00	5.00	2.00	50.00	100.0			1.00	
trans-1.4-Dichloro-2-bu	1	0	Avg	0.8837	0.8914	0.9466	0.8546	1.1146	-----	-----	-----	-----	0.938	6.77	0.986	0.999	11		20.00	5.00	2.00	50.00	100.0				
1.3-Dichlorobenzene	1	0	Avg	3.2529	3.0941	3.4124	2.9312	3.2513	2.4500	-----	-----	-----	3.07	7.29	0.983	0.998	11		20.00	5.00	2.00	50.00	100.0	250.0			
1.4-Dichlorobenzene	1	0	Avg	3.3067	3.1338	3.1262	2.9740	3.2525	2.7341	2.4369	-----	-----	2.99	7.34	0.994	0.999	10		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1.2-Dichlorobenzene	1	0	Avg	2.7203	2.4571	2.7878	2.4227	2.6534	2.4618	2.1031	-----	-----	2.52	7.55	0.993	1.00	9.2		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Isopropylbenzene	1	0	Avg	9.6270	8.7272	8.1724	9.0768	11.139	-----	-----	11.776	-----	9.75	6.61	0.992	0.999	15		20.00	5.00	2.00	50.00	100.0			1.00	
Cyclohexanone	1	0	LinF	0.0485	0.0538	0.0225	0.0380	0.0460	0.0359	0.0332	-----	-----	0.0397	6.67	0.994	0.998	27		100.0	25.00	10.00	250.0	500.0	1250.	2500.		
Camphene	1	0	LinF	3.5734	3.1097	2.9574	3.4077	4.2226	-----	-----	4.5112	-----	3.63	6.77	0.991	0.999	17		20.00	5.00	2.00	50.00	100.0			1.00	
1.2.3-Trichloropropane	1	0	Avg	1.3912	1.3856	1.3706	1.3966	1.6854	-----	-----	-----	-----	1.45	6.78	0.992	1.00	9.3		20.00	5.00	2.00	50.00	100.0				
2-Chlorotoluene	1	0	Avg	7.5822	6.8721	7.1819	7.0148	7.6809	-----	-----	-----	-----	7.27	6.88	0.998	0.999	4.9		20.00	5.00	2.00	50.00	100.0				
p-Ethyltoluene	1	0	Avg	10.272	8.8010	8.4967	9.1098	10.670	-----	-----	-----	-----	9.47	6.88	0.994	0.999	10		20.00	5.00	2.00	50.00	100.0				

Avg Rsd: 13.5

Flags

a - failed the spcc criteria — ** - ccc compound*

b - failed the ccc criteria — *** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note:

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

2071832 0120

Method: EPA 8260B

Initial Calibration

Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	6M85930.	CAL @ 20 PPB	07/12/12 13:22
3	6M85923.	CAL @ 2 PPB	07/12/12 11:21
5	6M85928.	CAL @ 100 PPB	07/12/12 12:50
7	6M85926.	CAL @ 500 PPB	07/12/12 12:17
9	6M85922.	CAL @ 0.5 PPB	07/12/12 11:05

Level #:	Data File:	Cal Identifier:	Analysis Date/Time
2	6M85925.	CAL @ 5 PPB	07/12/12 11:53
4	6M85929.	CAL @ 50 PPB	07/12/12 13:06
6	6M85927.	CAL @ 250 PPB	07/12/12 12:34
8	6M85924.	CAL @ 1 PPB	07/12/12 11:37

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
4-Chlorotoluene	1	0	Avg	6.7695	6.3950	6.0704	6.3937	7.1612	5.0560	4.6150	-----	-----	6.07	6.94	0.988	0.995	15	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
n-Propylbenzene	1	0	Avg	11.261	9.7423	10.262	10.686	12.425	-----	-----	12.132	-----	11.1	6.82	0.995	0.999	9.5	20.00	5.00	2.00	50.00	100.0			1.00	
Bromobenzene	1	0	Avg	4.8986	4.9362	5.0967	4.6926	5.6913	-----	-----	-----	-----	5.06	6.79	0.992	0.999	7.5	20.00	5.00	2.00	50.00	100.0				
1,3,5-Trimethylbenzene	1	0	Avg	7.3550	6.2407	6.4257	6.6811	7.4817	-----	-----	8.4894	-----	7.11	6.91	0.997	0.999	12	20.00	5.00	2.00	50.00	100.0			1.00	
Butyl methacrylate	1	0	Avg	3.1226	2.4149	3.1670	3.2715	3.7626	2.7736	2.7774	-----	-----	3.04	6.93	0.995	0.996	14	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
t-Butylbenzene	1	0	Avg	6.8563	5.8321	5.5552	6.3533	7.1904	-----	-----	6.8811	-----	6.44	7.10	0.997	0.999	10	20.00	5.00	2.00	50.00	100.0			1.00	
1,2,4-Trimethylbenzene	1	0	Avg	6.9967	6.2891	5.9760	6.2991	7.0969	5.4814	4.7294	7.3155	-----	6.27	7.12	0.988	0.998	14	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
sec-Butylbenzene	1	0	Avg	9.4055	7.6290	6.9759	8.6528	9.9626	-----	-----	8.4435	-----	8.51	7.22	0.996	0.999	13	20.00	5.00	2.00	50.00	100.0			1.00	
4-Isopropyltoluene	1	0	Avg	6.6227	5.1903	5.0519	6.1839	6.7781	5.2579	4.2299	5.9716	-----	5.66	7.29	0.979	0.999	15	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
n-Butylbenzene	1	0	Avg	8.3765	6.2812	6.2932	7.8535	8.5091	7.5114	5.8918	6.0396	-----	7.09	7.51	0.981	1.00	15	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
p-Diethylbenzene	1	0	LinF	3.7080	2.5680	2.3709	3.4760	3.8075	3.4123	-----	-----	-----	3.22	7.50	0.998	0.999	19	20.00	5.00	2.00	50.00	100.0	250.0			
1,2,4,5-Tetramethylben	1	0	LinF	5.3271	3.3658	3.1989	5.0496	5.5041	5.1715	4.3951	-----	-----	4.57	7.94	0.992	1.00	21	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2-Dibromo-3-Chloropr	1	0	LinF	0.1023	0.0627	0.1129	0.0981	0.1066	0.1291	-----	-----	-----	0.102	7.97	0.995	1.00	22	20.00	5.00	2.00	50.00	100.0	250.0			
Camphor	1	0	LinF	0.0371	0.0331	0.0308	0.0371	0.0468	0.0507	0.0508	0.0252	-----	0.0390	8.40	0.999	0.999	24	200.0	50.00	20.00	500.0	1000.	2500.	5000.	10.00	
Hexachlorobutadiene	1	0	LinF	1.5338	1.1247	1.2005	1.5969	1.7780	1.7635	1.5328	-----	-----	1.50	8.55	0.994	1.00	17	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2,4-Trichlorobenzene	1	0	LinF	1.9310	1.2717	1.2581	1.6926	1.9884	1.7686	-----	-----	-----	1.65	8.46	0.997	0.999	19	20.00	5.00	2.00	50.00	100.0	250.0			
1,2,3-Trichlorobenzene	1	0	Avg	1.4897	1.2954	1.0592	1.4304	1.6678	1.5026	1.2530	-----	-----	1.39	8.74	0.989	1.00	14	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Naphthalene	1	0	LinF	2.1728	1.6577	1.4393	2.0978	2.4726	2.2133	2.1864	1.9075	-----	2.02	8.61	0.999	0.999	17	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	

Flags
a - failed the spcc criteria ** - ccc compound*
b - failed the ccc criteria *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 13.5
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB **Data File:** 6M86258.D **Instrument:** GCMS 6

Cont Calibration Date/Time 7/20/2012 9:11:00 A Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.53	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.36	49.33				0.698			
Dichlorodifluoromethane	1	0		1.36	24.60	50			0.860	0.374	50.80	
Chloromethane	1	0	CP	1.49	46.26	50	0.1		0.573	0.475	7.49	
Bromomethane	1	0		1.82	54.42	50			0.372	0.405	8.84	
Vinyl Chloride	1	0	CC	1.57	42.50	50	20		0.780	0.663	15.01	
Chloroethane	1	0		1.89	49.26	50			0.430	0.424	1.49	
Trichlorofluoromethane	1	0		2.09	57.94	50			0.823	0.813	15.88	
Ethyl ether	1	0		2.30	48.29	50			0.378	0.365	3.42	
Furan	1	0		2.32	50.65	50			1.339	1.356	1.29	
1,1,2-Trichloro-1,2,2-trifluoroetha	1	0		2.47	62.51	50			0.754	0.734	25.02	
Methylene Chloride	1	0		2.82	58.59	50			0.589	0.569	17.19	
Acrolein	1	0		2.38	226.91	250			0.031	0.029	9.24	
Acrylonitrile	1	0		3.00	55.70	50			0.066	0.073	11.41	
Iodomethane	1	0		2.59	57.70	50			0.795	0.917	15.40	
Acetone	1	0		2.50	254.62	250			0.102	0.076	1.85	
Carbon Disulfide	1	0		2.65	50.71	50			1.550	1.572	1.43	
t-Butyl Alcohol	1	0		2.89	288.02	250			0.015	0.017	15.21	
n-Hexane	1	0		3.27	47.11	50			1.046	0.985	5.78	
Di-isopropyl-ether	1	0		3.43	47.37	50			1.940	1.838	5.26	
1,1-Dichloroethene	1	0	CC	2.47	49.24	50	20		0.993	0.978	1.52	
Methyl Acetate	1	0		2.75	44.40	50			0.270	0.240	11.20	
Methyl-t-butyl ether	1	0		3.05	50.65	50			1.011	1.024	1.30	
1,1-Dichloroethane	1	0	CP	3.37	53.39	50	0.1		0.933	0.996	6.78	
trans-1,2-Dichloroethene	1	0		3.05	56.67	50			0.523	0.592	13.35	
cis-1,2-Dichloroethene	1	0		3.82	53.59	50			0.988	1.059	7.18	
Bromochloromethane	1	0		3.98	50.40	50			0.345	0.348	0.80	
2,2-Dichloropropane	1	0		3.82	60.75	50			0.850	1.032	21.50	
Ethyl acetate	1	0		3.86	46.56				0.411			
1,4-Dioxane	1	0		4.91	3075.76	2500			0.001	0.002	23.03	
1,1-Dichloropropene	1	0		4.26	54.96	50			0.984	1.081	9.92	
Chloroform	1	0	CC	4.03	54.73	50	20		0.883	0.966	9.45	
Dibromofluoromethane	1	0	S	4.13	29.38	75			0.210	0.205	2.07	
Cyclohexane	1	0		4.21	48.80	50			1.317	1.285	2.40	
1,2-Dichloroethane-d4	1	0	S	4.34	27.51	75			0.119	0.109	8.29	
1,2-Dichloroethane	1	0		4.38	67.48	50			0.668	0.692	34.96	
2-Butanone	1	0		3.81	48.82	50			0.149	0.119	2.37	
1,1,1-Trichloroethane	1	0		4.17	56.87	50			1.003	1.141	13.74	
Carbon Tetrachloride	1	0		4.27	58.87	50			0.842	0.992	17.75	
Vinyl Acetate	1	0		3.40	42.95	50			0.419	0.360	14.11	
Bromodichloromethane	1	0		4.98	59.71	50			0.630	0.753	19.43	
Methylcyclohexane	1	0		4.85	55.94	50			0.971	1.086	11.88	
Dibromomethane	1	0		4.91	58.14	50			0.241	0.280	16.29	
1,2-Dichloropropane	1	0	CC	4.85	52.55	50	20		0.540	0.568	5.09	
Trichloroethene	1	0		4.73	54.85	50			0.664	0.729	9.70	
Benzene	1	0		4.39	52.94	50			2.402	2.544	5.88	
tert-Amyl methyl ether	1	0		4.44	51.77	50			0.974	1.009	3.54	
Chlorobenzene-d5	1	0	I	6.09	30.00	30				0.000	0.00	
Iso-propylacetate	1	0		4.40	37.29				1.640			
Methyl methacrylate	1	0		4.89	29.50				0.514			
Dibromochloromethane	1	0		5.79	50.59	50			0.708	0.716	1.17	
2-Chloroethylvinylether	1	0		5.12	41.51	50			0.432	0.352	16.98	
cis-1,3-Dichloropropene	1	0		5.21	45.64	50			1.530	1.372	8.73	
trans-1,3-Dichloropropene	1	0		5.48	42.89	50			0.999	1.012	14.22	
Ethyl methacrylate	1	0		5.52	38.56				0.528			
1,1,2-Trichloroethane	1	0		5.58	43.99	50			0.655	0.576	12.03	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB **Data File:** 6M86258.D **Instrument:** GCMS 6

Cont Calibration Date/Time 7/20/2012 9:11:00 A Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,2-Dibromoethane	1	0		5.86	46.92	50			0.570	0.535	6.16	
1,3-Dichloropropane	1	0		5.67	43.33	50			1.199	1.039	13.33	
4-Methyl-2-Pentanone	1	0		5.28	37.75	50			0.555	0.419	24.49	
2-Hexanone	1	0		5.69	38.52	50			0.291	0.270	22.97	
Tetrachloroethene	1	0		5.68	50.39	50			1.050	0.993	0.78	
Toluene-d8	1	0	S	5.36	27.35	75			1.767	1.610	8.84	
Toluene	1	0	CC	5.39	42.11	50	20		2.782	2.343	15.79	
1,1,1,2-Tetrachloroethane	1	0		6.14	51.48	50			0.765	0.788	2.96	
Chlorobenzene	1	0	CP	6.11	49.46	50	0.3		2.477	2.231	1.07	
1,4-Dichlorobenzene-d4	1	0	I	7.33	30.00	30				0.000	0.00	
n-Butyl acrylate	1	0		6.36	37.76				1.834			
n-Amyl acetate	1	0		6.48	41.77				2.190			
Bromoform	1	0	CP	6.53	46.34	50	0.1		0.738	0.817	7.31	
Ethylbenzene	1	0	CC	6.16	46.69	50	20		3.159	2.950	6.63	
1,1,2,2-Tetrachloroethane	1	0	CP	6.75	45.47	50	0.3		1.120	1.019	9.06	
Bromofluorobenzene	1	0	S	6.70	31.14	75			1.009	1.048	3.81	
Styrene	1	0		6.42	48.13	50			4.949	4.763	3.75	
m&p-Xylenes	1	0		6.21	86.32	100			3.782	3.270	13.68	
o-Xylene	1	0		6.42	42.05	50			3.495	2.985	15.90	
trans-1,4-Dichloro-2-butene	1	0		6.77	45.71	50			0.938	0.858	8.58	
1,3-Dichlorobenzene	1	0		7.29	49.70	50			3.065	3.047	0.59	
1,4-Dichlorobenzene	1	0		7.34	48.42	50			2.995	2.901	3.15	
1,2-Dichlorobenzene	1	0		7.55	45.28	50			2.515	2.278	9.43	
Isopropylbenzene	1	0		6.61	47.33	50			9.753	9.233	5.34	
Cyclohexanone	1	0		6.66	166.75				0.040			
Camphene	1	0		6.77	45.99	50			3.630	3.718	8.02	
1,2,3-Trichloropropane	1	0		6.78	44.95	50			1.446	1.300	10.10	
2-Chlorotoluene	1	0		6.89	46.38	50			7.266	6.741	7.23	
p-Ethyltoluene	1	0		6.89	46.71				9.470			
4-Chlorotoluene	1	0		6.94	48.55	50			6.066	5.890	2.89	
n-Propylbenzene	1	0		6.83	46.63	50			11.085	10.338	6.75	
Bromobenzene	1	0		6.79	43.88	50			5.063	4.443	12.24	
1,3,5-Trimethylbenzene	1	0		6.92	43.75	50			7.112	6.224	12.49	
Butyl methacrylate	1	0		6.93	44.05				3.041			
t-Butylbenzene	1	0		7.10	48.69	50			6.445	6.276	2.61	
1,2,4-Trimethylbenzene	1	0		7.12	47.07	50			6.273	5.906	5.86	
sec-Butylbenzene	1	0		7.22	50.92	50			8.512	8.667	1.83	
4-Isopropyltoluene	1	0		7.29	55.87	50			5.661	6.326	11.75	
n-Butylbenzene	1	0		7.51	51.81	50			7.095	7.351	3.61	
p-Diethylbenzene	1	0		7.50	49.39				3.224			
1,2,4,5-Tetramethylbenzene	1	0		7.94	48.82				4.573			
1,2-Dibromo-3-Chloropropane	1	0		7.98	34.49	50			0.102	0.086	31.03	
Camphor	1	0		8.40	313.24	500			0.039	0.032	37.35	
Hexachlorobutadiene	1	0		8.55	43.94	50			1.504	1.393	12.13	
1,2,4-Trichlorobenzene	1	0		8.46	34.60	50			1.652	1.243	30.80	
1,2,3-Trichlorobenzene	1	0		8.75	31.68	50			1.385	0.878	36.65	
Naphthalene	1	0		8.61	26.57	50			2.018	1.169	46.86	
Freon 113	1	100		0.00	0.00	50				0.000	100.00	
1,2-Dioxane	1	100		0.00	0.00	5000				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB **Data File:** 6M86311.D **Instrument:** GCMS 6

Cont Calibration Date/Time 7/22/2012 10:20:00 Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.53	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.36	70.01				0.698			
Dichlorodifluoromethane	1	0		1.35	48.59	50			0.860	0.738	2.82	
Chloromethane	1	0	CP	1.48	57.83	50	0.1		0.573	0.594	15.66	
Bromomethane	1	0		1.81	57.19	50			0.372	0.425	14.37	
Vinyl Chloride	1	0	CC	1.56	55.03	50	20		0.780	0.859	10.07	
Chloroethane	1	0		1.89	52.36	50			0.430	0.451	4.71	
Trichlorofluoromethane	1	0		2.08	54.82	50			0.823	0.769	9.64	
Ethyl ether	1	0		2.29	51.84	50			0.378	0.392	3.68	
Furan	1	0		2.32	52.56	50			1.339	1.407	5.13	
1,1,2-Trichloro-1,2,2-trifluoroetha	1	0		2.47	53.36	50			0.754	0.627	6.71	
Methylene Chloride	1	0		2.82	58.36	50			0.589	0.567	16.73	
Acrolein	1	0		2.38	235.73	250			0.031	0.030	5.71	
Acrylonitrile	1	0		2.99	56.32	50			0.066	0.074	12.64	
Iodomethane	1	0		2.58	59.72	50			0.795	0.950	19.45	
Acetone	1	0		2.49	278.57	250			0.102	0.081	11.43	
Carbon Disulfide	1	0		2.64	52.71	50			1.550	1.634	5.43	
t-Butyl Alcohol	1	0		2.89	336.78	250			0.015	0.020	34.71	
n-Hexane	1	0		3.26	44.84	50			1.046	0.938	10.32	
Di-isopropyl-ether	1	0		3.42	49.52	50			1.940	1.922	0.96	
1,1-Dichloroethene	1	0	CC	2.47	52.29	50	20		0.993	1.039	4.58	
Methyl Acetate	1	0		2.74	51.10	50			0.270	0.276	2.20	
Methyl-t-butyl ether	1	0		3.04	51.91	50			1.011	1.049	3.82	
1,1-Dichloroethane	1	0	CP	3.36	57.20	50	0.1		0.933	1.067	14.40	
trans-1,2-Dichloroethene	1	0		3.04	57.74	50			0.523	0.604	15.49	
cis-1,2-Dichloroethene	1	0		3.81	55.16	50			0.988	1.090	10.33	
Bromochloromethane	1	0		3.98	52.30	50			0.345	0.361	4.61	
2,2-Dichloropropane	1	0		3.82	59.39	50			0.850	1.009	18.78	
Ethyl acetate	1	0		3.86	48.66				0.411			
1,4-Dioxane	1	0		4.91	3455.87	2500			0.001	0.002	38.23	
1,1-Dichloropropene	1	0		4.26	49.06	50			0.984	0.965	1.88	
Chloroform	1	0	CC	4.03	55.20	50	20		0.883	0.975	10.41	
Dibromofluoromethane	1	0	S	4.13	29.37	75			0.210	0.205	2.11	
Cyclohexane	1	0		4.21	42.13	50			1.317	1.110	15.73	
1,2-Dichloroethane-d4	1	0	S	4.34	28.12	75			0.119	0.111	6.26	
1,2-Dichloroethane	1	0		4.38	68.24	50			0.668	0.699	36.47	
2-Butanone	1	0		3.81	55.69	50			0.149	0.135	11.38	
1,1,1-Trichloroethane	1	0		4.16	50.83	50			1.003	1.020	1.66	
Carbon Tetrachloride	1	0		4.27	51.78	50			0.842	0.872	3.56	
Vinyl Acetate	1	0		3.39	39.75	50			0.419	0.333	20.50	
Bromodichloromethane	1	0		4.98	56.53	50			0.630	0.713	13.07	
Methylcyclohexane	1	0		4.85	51.68	50			0.971	1.004	3.36	
Dibromomethane	1	0		4.91	56.38	50			0.241	0.272	12.75	
1,2-Dichloropropane	1	0	CC	4.84	53.67	50	20		0.540	0.580	7.33	
Trichloroethene	1	0		4.73	50.23	50			0.664	0.667	0.47	
Benzene	1	0		4.39	52.27	50			2.402	2.512	4.55	
tert-Amyl methyl ether	1	0		4.44	56.69	50			0.974	1.105	13.39	
Chlorobenzene-d5	1	0	I	6.10	30.00	30				0.000	0.00	
Iso-propylacetate	1	0		4.41	41.07				1.640			
Methyl methacrylate	1	0		4.89	32.61				0.514			
Dibromochloromethane	1	0		5.79	52.15	50			0.708	0.738	4.30	
2-Chloroethylvinylether	1	0		5.13	43.91	50			0.432	0.378	12.18	
cis-1,3-Dichloropropene	1	0		5.21	47.52	50			1.530	1.447	4.96	
trans-1,3-Dichloropropene	1	0		5.48	45.64	50			0.999	1.076	8.72	
Ethyl methacrylate	1	0		5.52	43.29				0.528			
1,1,2-Trichloroethane	1	0		5.58	45.35	50			0.655	0.594	9.30	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB **Data File:** 6M86311.D **Instrument:** GCMS 6

Cont Calibration Date/Time 7/22/2012 10:20:00 Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,2-Dibromoethane	1	0		5.86	50.03	50			0.570	0.570	0.06	
1,3-Dichloropropane	1	0		5.67	47.01	50			1.199	1.127	5.97	
4-Methyl-2-Pentanone	1	0		5.28	47.50	50			0.555	0.527	4.99	
2-Hexanone	1	0		5.70	45.59	50			0.291	0.320	8.82	
Tetrachloroethene	1	0		5.68	48.27	50			1.050	0.951	3.47	
Toluene-d8	1	0	S	5.36	28.41	75			1.767	1.673	5.30	
Toluene	1	0	CC	5.39	44.46	50	20		2.782	2.474	11.07	
1,1,1,2-Tetrachloroethane	1	0		6.14	52.71	50			0.765	0.807	5.42	
Chlorobenzene	1	0	CP	6.11	50.41	50	0.3		2.477	2.274	0.82	
1,4-Dichlorobenzene-d4	1	0	I	7.32	30.00	30				0.000	0.00	
n-Butyl acrylate	1	0		6.36	41.54				1.834			
n-Amyl acetate	1	0		6.48	46.62				2.190			
Bromoform	1	0	CP	6.54	48.53	50	0.1		0.738	0.855	2.93	
Ethylbenzene	1	0	CC	6.16	43.70	50	20		3.159	2.762	12.59	
1,1,2,2-Tetrachloroethane	1	0	CP	6.75	52.76	50	0.3		1.120	1.182	5.53	
Bromofluorobenzene	1	0	S	6.70	30.02	75			1.009	1.010	0.06	
Styrene	1	0		6.43	47.68	50			4.949	4.719	4.64	
m&p-Xylenes	1	0		6.22	83.44	100			3.782	3.161	16.56	
o-Xylene	1	0		6.43	41.14	50			3.495	2.921	17.71	
trans-1,4-Dichloro-2-butene	1	0		6.78	46.83	50			0.938	0.879	6.33	
1,3-Dichlorobenzene	1	0		7.29	46.07	50			3.065	2.824	7.86	
1,4-Dichlorobenzene	1	0		7.34	46.57	50			2.995	2.790	6.85	
1,2-Dichlorobenzene	1	0		7.55	44.32	50			2.515	2.229	11.36	
Isopropylbenzene	1	0		6.61	45.28	50			9.753	8.833	9.43	
Cyclohexanone	1	0		6.67	260.58				0.040			
Camphene	1	0		6.77	42.40	50			3.630	3.428	15.20	
1,2,3-Trichloropropane	1	0		6.78	51.09	50			1.446	1.478	2.19	
2-Chlorotoluene	1	0		6.89	43.06	50			7.266	6.258	13.87	
p-Ethyltoluene	1	0		6.89	45.54				9.470			
4-Chlorotoluene	1	0		6.94	43.42	50			6.066	5.268	13.16	
n-Propylbenzene	1	0		6.83	45.28	50			11.085	10.039	9.44	
Bromobenzene	1	0		6.79	43.37	50			5.063	4.392	13.26	
1,3,5-Trimethylbenzene	1	0		6.92	39.99	50			7.112	5.689	20.01	
Butyl methacrylate	1	0		6.93	45.78				3.041			
t-Butylbenzene	1	0		7.10	47.62	50			6.445	6.138	4.77	
1,2,4-Trimethylbenzene	1	0		7.12	45.12	50			6.273	5.661	9.75	
sec-Butylbenzene	1	0		7.22	49.52	50			8.512	8.430	0.96	
4-Isopropyltoluene	1	0		7.29	51.88	50			5.661	5.873	3.76	
n-Butylbenzene	1	0		7.52	51.48	50			7.095	7.304	2.95	
p-Diethylbenzene	1	0		7.50	45.57				3.224			
1,2,4,5-Tetramethylbenzene	1	0		7.94	45.48				4.573			
1,2-Dibromo-3-Chloropropane	1	0		7.97	42.02	50			0.102	0.105	15.96	
Camphor	1	0		8.40	354.63	500			0.039	0.036	29.07	
Hexachlorobutadiene	1	0		8.55	49.50	50			1.504	1.569	1.00	
1,2,4-Trichlorobenzene	1	0		8.46	36.46	50			1.652	1.309	27.09	
1,2,3-Trichlorobenzene	1	0		8.75	36.07	50			1.385	0.999	27.86	
Naphthalene	1	0		8.61	31.52	50			2.018	1.387	36.95	
Freon 113	1	100		0.00	0.00	50				0.000	100.00	
1,2-Dioxane	1	100		0.00	0.00	5000				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB **Data File:** 6M86373.D **Instrument:** GCMS 6

Cont Calibration Date/Time 7/23/2012 11:11:00 Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.54	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.36	49.40				0.698			
Dichlorodifluoromethane	1	0		1.36	19.32	50			0.860	0.293	61.35	
Chloromethane	1	0	CP	1.49	43.69	50	0.1		0.573	0.449	12.62	
Bromomethane	1	0		1.82	58.56	50			0.372	0.435	17.12	
Vinyl Chloride	1	0	CC	1.57	41.95	50	20		0.780	0.654	16.10	
Chloroethane	1	0		1.90	51.82	50			0.430	0.446	3.64	
Trichlorofluoromethane	1	0		2.09	60.88	50			0.823	0.854	21.76	
Ethyl ether	1	0		2.30	53.67	50			0.378	0.406	7.33	
Furan	1	0		2.33	53.06	50			1.339	1.420	6.12	
1,1,2-Trichloro-1,2,2-trifluoroetha	1	0		2.48	59.39	50			0.754	0.697	18.78	
Methylene Chloride	1	0		2.83	61.35	50			0.589	0.596	22.69	
Acrolein	1	0		2.39	247.07	250			0.031	0.031	1.17	
Acrylonitrile	1	0		3.00	57.40	50			0.066	0.075	14.80	
Iodomethane	1	0		2.59	59.29	50			0.795	0.943	18.57	
Acetone	1	0		2.50	308.87	250			0.102	0.089	23.55	
Carbon Disulfide	1	0		2.65	47.96	50			1.550	1.487	4.08	
t-Butyl Alcohol	1	0		2.90	373.43	250			0.015	0.022	49.37	
n-Hexane	1	0		3.27	42.60	50			1.046	0.891	14.81	
Di-isopropyl-ether	1	0		3.43	50.66	50			1.940	1.966	1.32	
1,1-Dichloroethene	1	0	CC	2.48	48.42	50	20		0.993	0.962	3.16	
Methyl Acetate	1	0		2.75	51.22	50			0.270	0.276	2.43	
Methyl-t-butyl ether	1	0		3.05	57.92	50			1.011	1.171	15.85	
1,1-Dichloroethane	1	0	CP	3.37	56.56	50	0.1		0.933	1.055	13.12	
trans-1,2-Dichloroethene	1	0		3.05	58.21	50			0.523	0.608	16.43	
cis-1,2-Dichloroethene	1	0		3.82	57.02	50			0.988	1.127	14.04	
Bromochloromethane	1	0		3.98	53.32	50			0.345	0.368	6.65	
2,2-Dichloropropane	1	0		3.83	61.79	50			0.850	1.050	23.59	
Ethyl acetate	1	0		3.86	52.01				0.411			
1,4-Dioxane	1	0		4.92	3256.92	2500			0.001	0.002	30.28	
1,1-Dichloropropene	1	0		4.27	52.77	50			0.984	1.038	5.53	
Chloroform	1	0	CC	4.03	59.76	50	20		0.883	1.055	19.52	
Dibromofluoromethane	1	0	S	4.13	30.08	75			0.210	0.210	0.26	
Cyclohexane	1	0		4.21	43.99	50			1.317	1.159	12.01	
1,2-Dichloroethane-d4	1	0	S	4.35	27.58	75			0.119	0.109	8.06	
1,2-Dichloroethane	1	0		4.39	77.29	50			0.668	0.792	54.59	
2-Butanone	1	0		3.82	57.65	50			0.149	0.140	15.30	
1,1,1-Trichloroethane	1	0		4.17	57.66	50			1.003	1.157	15.31	
Carbon Tetrachloride	1	0		4.27	56.70	50			0.842	0.955	13.41	
Vinyl Acetate	1	0		3.40	46.13	50			0.419	0.387	7.74	
Bromodichloromethane	1	0		4.98	64.30	50			0.630	0.811	28.61	
Methylcyclohexane	1	0		4.85	51.96	50			0.971	1.009	3.93	
Dibromomethane	1	0		4.91	63.57	50			0.241	0.306	27.14	
1,2-Dichloropropane	1	0	CC	4.85	55.79	50	20		0.540	0.603	11.58	
Trichloroethene	1	0		4.74	52.76	50			0.664	0.701	5.53	
Benzene	1	0		4.39	55.16	50			2.402	2.650	10.32	
tert-Amyl methyl ether	1	0		4.45	60.21	50			0.974	1.173	20.41	
Chlorobenzene-d5	1	0	I	6.10	30.00	30				0.000	0.00	
Iso-propylacetate	1	0		4.41	45.44				1.640			
Methyl methacrylate	1	0		4.89	35.52				0.514			
Dibromochloromethane	1	0		5.80	60.48	50			0.708	0.856	20.96	
2-Chloroethylvinylether	1	0		5.13	47.15	50			0.432	0.414	5.70	
cis-1,3-Dichloropropene	1	0		5.21	51.19	50			1.530	1.592	2.39	
trans-1,3-Dichloropropene	1	0		5.48	50.97	50			0.999	1.202	1.95	
Ethyl methacrylate	1	0		5.52	46.90				0.528			
1,1,2-Trichloroethane	1	0		5.58	53.01	50			0.655	0.694	6.03	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB **Data File:** 6M86373.D **Instrument:** GCMS 6

Cont Calibration Date/Time 7/23/2012 11:11:00 Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,2-Dibromoethane	1	0		5.86	54.77	50			0.570	0.624	9.55	
1,3-Dichloropropane	1	0		5.67	52.44	50			1.199	1.258	4.88	
4-Methyl-2-Pentanone	1	0		5.28	47.48	50			0.555	0.527	5.05	
2-Hexanone	1	0		5.70	48.00	50			0.291	0.337	4.00	
Tetrachloroethene	1	0		5.68	49.48	50			1.050	0.975	1.03	
Toluene-d8	1	0	S	5.36	28.54	75			1.767	1.681	4.86	
Toluene	1	0	CC	5.39	43.95	50	20		2.782	2.445	12.11	
1,1,1,2-Tetrachloroethane	1	0		6.14	54.72	50			0.765	0.837	9.45	
Chlorobenzene	1	0	CP	6.11	51.03	50	0.3		2.477	2.302	2.06	
1,4-Dichlorobenzene-d4	1	0	I	7.32	30.00	30				0.000	0.00	
n-Butyl acrylate	1	0		6.36	44.15				1.834			
n-Amyl acetate	1	0		6.48	49.62				2.190			
Bromoform	1	0	CP	6.54	51.07	50	0.1		0.738	0.898	2.13	
Ethylbenzene	1	0	CC	6.16	42.15	50	20		3.159	2.663	15.71	
1,1,2,2-Tetrachloroethane	1	0	CP	6.75	50.57	50	0.3		1.120	1.133	1.14	
Bromofluorobenzene	1	0	S	6.70	29.27	75			1.009	0.985	2.45	
Styrene	1	0		6.43	46.60	50			4.949	4.612	6.81	
m&p-Xylenes	1	0		6.22	80.53	100			3.782	3.051	19.47	
o-Xylene	1	0		6.43	40.65	50			3.495	2.886	18.71	
trans-1,4-Dichloro-2-butene	1	0		6.78	48.08	50			0.938	0.902	3.84	
1,3-Dichlorobenzene	1	0		7.29	46.19	50			3.065	2.832	7.63	
1,4-Dichlorobenzene	1	0		7.34	46.20	50			2.995	2.768	7.59	
1,2-Dichlorobenzene	1	0		7.55	44.83	50			2.515	2.255	10.33	
Isopropylbenzene	1	0		6.61	44.75	50			9.753	8.728	10.51	
Cyclohexanone	1	0		6.67	217.11				0.040			
Camphene	1	0		6.77	43.57	50			3.630	3.522	12.86	
1,2,3-Trichloropropane	1	0		6.78	49.66	50			1.446	1.436	0.68	
2-Chlorotoluene	1	0		6.88	40.46	50			7.266	5.880	19.08	
p-Ethyltoluene	1	0		6.88	46.88				9.470			
4-Chlorotoluene	1	0		6.95	43.13	50			6.066	5.233	13.73	
n-Propylbenzene	1	0		6.83	44.07	50			11.085	9.769	11.87	
Bromobenzene	1	0		6.79	44.09	50			5.063	4.465	11.82	
1,3,5-Trimethylbenzene	1	0		6.92	39.61	50			7.112	5.634	20.78	
Butyl methacrylate	1	0		6.93	48.22				3.041			
t-Butylbenzene	1	0		7.10	45.45	50			6.445	5.858	9.10	
1,2,4-Trimethylbenzene	1	0		7.12	44.28	50			6.273	5.556	11.43	
sec-Butylbenzene	1	0		7.22	48.95	50			8.512	8.333	2.10	
4-Isopropyltoluene	1	0		7.29	53.04	50			5.661	6.005	6.08	
n-Butylbenzene	1	0		7.52	52.60	50			7.095	7.464	5.20	
p-Diethylbenzene	1	0		7.50	47.73				3.224			
1,2,4,5-Tetramethylbenzene	1	0		7.94	48.86				4.573			
1,2-Dibromo-3-Chloropropane	1	0		7.97	37.33	50			0.102	0.093	25.35	
Camphor	1	0		8.40	384.25	500			0.039	0.039	23.15	
Hexachlorobutadiene	1	0		8.55	43.36	50			1.504	1.375	13.27	
1,2,4-Trichlorobenzene	1	0		8.46	34.50	50			1.652	1.239	31.00	
1,2,3-Trichlorobenzene	1	0		8.75	32.69	50			1.385	0.906	34.61	
Naphthalene	1	0		8.61	30.94	50			2.018	1.361	38.12	
Freon 113	1	100		0.00	0.00	50				0.000	100.00	
1,2-Dioxane	1	100		0.00	0.00	5000				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB **Data File:** 6M86574.D **Instrument:** GCMS 6

Cont Calibration Date/Time 7/27/2012 1:42:00 P Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.54	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.36	64.45				0.698			
Dichlorodifluoromethane	1	0		1.36	34.24	50			0.860	0.520	31.52	
Chloromethane	1	0	CP	1.49	56.86	50	0.1		0.573	0.584	13.72	
Bromomethane	1	0		1.82	71.04	50			0.372	0.528	42.08	
Vinyl Chloride	1	0	CC	1.57	51.73	50	20		0.780	0.807	3.45	
Chloroethane	1	0		1.90	61.58	50			0.430	0.530	23.16	
Trichlorofluoromethane	1	0		2.09	78.96	50			0.823	1.107	57.92	
Ethyl ether	1	0		2.31	54.60	50			0.378	0.413	9.20	
Furan	1	0		2.33	54.78	50			1.339	1.466	9.55	
1,1,2-Trichloro-1,2,2-trifluoroetha	1	0		2.48	60.34	50			0.754	0.709	20.69	
Methylene Chloride	1	0		2.83	54.89	50			0.589	0.533	9.77	
Acrolein	1	0		2.39	223.31	250			0.031	0.028	10.68	
Acrylonitrile	1	0		3.00	49.71	50			0.066	0.065	0.58	
Iodomethane	1	0		2.59	63.02	50			0.795	1.002	26.04	
Acetone	1	0		2.50	255.25	250			0.102	0.076	2.10	
Carbon Disulfide	1	0		2.65	47.56	50			1.550	1.474	4.88	
t-Butyl Alcohol	1	0		2.90	280.49	250			0.015	0.017	12.20	
n-Hexane	1	0		3.27	42.57	50			1.046	0.890	14.86	
Di-isopropyl-ether	1	0		3.43	43.61	50			1.940	1.693	12.77	
1,1-Dichloroethene	1	0	CC	2.48	52.15	50	20		0.993	1.036	4.30	
Methyl Acetate	1	0		2.75	41.54	50			0.270	0.224	16.92	
Methyl-t-butyl ether	1	0		3.05	47.00	50			1.011	0.950	6.00	
1,1-Dichloroethane	1	0	CP	3.37	54.96	50	0.1		0.933	1.026	9.92	
trans-1,2-Dichloroethene	1	0		3.05	56.96	50			0.523	0.595	13.92	
cis-1,2-Dichloroethene	1	0		3.82	52.70	50			0.988	1.041	5.40	
Bromochloromethane	1	0		3.98	49.32	50			0.345	0.341	1.35	
2,2-Dichloropropane	1	0		3.83	58.36	50			0.850	0.992	16.73	
Ethyl acetate	1	0		3.86	41.39				0.411			
1,4-Dioxane	1	0		4.92	3265.23	2500			0.001	0.002	30.61	
1,1-Dichloropropene	1	0		4.27	49.19	50			0.984	0.968	1.63	
Chloroform	1	0	CC	4.03	58.32	50	20		0.883	1.030	16.65	
Dibromofluoromethane	1	0	S	4.14	30.18	75			0.210	0.211	0.59	
Cyclohexane	1	0		4.22	41.01	50			1.317	1.080	17.99	
1,2-Dichloroethane-d4	1	0	S	4.35	28.34	75			0.119	0.112	5.55	
1,2-Dichloroethane	1	0		4.39	69.79	50			0.668	0.715	39.58	
2-Butanone	1	0		3.82	41.62	50			0.149	0.101	16.76	
1,1,1-Trichloroethane	1	0		4.17	53.39	50			1.003	1.071	6.79	
Carbon Tetrachloride	1	0		4.28	55.53	50			0.842	0.935	11.05	
Vinyl Acetate	1	0		3.40	34.22	50			0.419	0.287	31.56	
Bromodichloromethane	1	0		4.98	54.97	50			0.630	0.693	9.93	
Methylcyclohexane	1	0		4.85	58.83	50			0.971	1.142	17.66	
Dibromomethane	1	0		4.91	61.39	50			0.241	0.296	22.78	
1,2-Dichloropropane	1	0	CC	4.85	49.15	50	20		0.540	0.531	1.70	
Trichloroethene	1	0		4.74	51.75	50			0.664	0.687	3.50	
Benzene	1	0		4.39	50.68	50			2.402	2.435	1.36	
tert-Amyl methyl ether	1	0		4.45	51.01	50			0.974	0.994	2.02	
Chlorobenzene-d5	1	0	I	6.10	30.00	30				0.000	0.00	
Iso-propylacetate	1	0		4.41	31.94				1.640			
Methyl methacrylate	1	0		4.89	25.12				0.514			
Dibromochloromethane	1	0		5.80	48.10	50			0.708	0.681	3.79	
2-Chloroethylvinylether	1	0		5.13	39.33	50			0.432	0.328	21.34	
cis-1,3-Dichloropropene	1	0		5.21	42.65	50			1.530	1.254	14.69	
trans-1,3-Dichloropropene	1	0		5.49	39.80	50			0.999	0.939	20.40	
Ethyl methacrylate	1	0		5.53	34.98				0.528			
1,1,2-Trichloroethane	1	0		5.59	38.95	50			0.655	0.510	22.09	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB **Data File:** 6M86574.D **Instrument:** GCMS 6

Cont Calibration Date/Time 7/27/2012 1:42:00 P Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,2-Dibromoethane	1	0		5.86	44.18	50			0.570	0.503	11.64	
1,3-Dichloropropane	1	0		5.68	39.89	50			1.199	0.957	20.22	
4-Methyl-2-Pentanone	1	0		5.28	34.35	50			0.555	0.381	31.30	
2-Hexanone	1	0		5.70	34.03	50			0.291	0.239	31.93	
Tetrachloroethene	1	0		5.68	49.11	50			1.050	0.967	1.78	
Toluene-d8	1	0	S	5.36	26.61	75			1.767	1.567	11.29	
Toluene	1	0	CC	5.40	42.17	50	20		2.782	2.347	15.65	
1,1,1,2-Tetrachloroethane	1	0		6.15	49.07	50			0.765	0.751	1.86	
Chlorobenzene	1	0	CP	6.12	48.63	50	0.3		2.477	2.194	2.73	
1,4-Dichlorobenzene-d4	1	0	I	7.33	30.00	30				0.000	0.00	
n-Butyl acrylate	1	0		6.37	36.98				1.834			
n-Amyl acetate	1	0		6.48	39.57				2.190			
Bromoform	1	0	CP	6.54	47.67	50	0.1		0.738	0.840	4.66	
Ethylbenzene	1	0	CC	6.16	44.28	50	20		3.159	2.798	11.45	
1,1,2,2-Tetrachloroethane	1	0	CP	6.75	45.12	50	0.3		1.120	1.011	9.76	
Bromofluorobenzene	1	0	S	6.70	29.21	75			1.009	0.983	2.63	
Styrene	1	0		6.43	45.75	50			4.949	4.528	8.51	
m&p-Xylenes	1	0		6.22	84.06	100			3.782	3.185	15.94	
o-Xylene	1	0		6.43	39.99	50			3.495	2.839	20.02	
trans-1,4-Dichloro-2-butene	1	0		6.78	49.04	50			0.938	0.920	1.91	
1,3-Dichlorobenzene	1	0		7.30	46.80	50			3.065	2.869	6.39	
1,4-Dichlorobenzene	1	0		7.34	45.18	50			2.995	2.706	9.64	
1,2-Dichlorobenzene	1	0		7.55	43.62	50			2.515	2.194	12.77	
Isopropylbenzene	1	0		6.61	46.40	50			9.753	9.052	7.19	
Cyclohexanone	1	0		6.67	203.16				0.040			
Camphene	1	0		6.78	46.38	50			3.630	3.750	7.23	
1,2,3-Trichloropropane	1	0		6.79	44.81	50			1.446	1.296	10.38	
2-Chlorotoluene	1	0		6.89	43.54	50			7.266	6.328	12.92	
p-Ethyltoluene	1	0		6.89	46.12				9.470			
4-Chlorotoluene	1	0		6.95	46.94	50			6.066	5.695	6.12	
n-Propylbenzene	1	0		6.83	45.40	50			11.085	10.065	9.20	
Bromobenzene	1	0		6.80	42.32	50			5.063	4.285	15.37	
1,3,5-Trimethylbenzene	1	0		6.92	41.75	50			7.112	5.938	16.50	
Butyl methacrylate	1	0		6.93	42.53				3.041			
t-Butylbenzene	1	0		7.10	48.47	50			6.445	6.247	3.07	
1,2,4-Trimethylbenzene	1	0		7.13	43.84	50			6.273	5.500	12.32	
sec-Butylbenzene	1	0		7.22	50.21	50			8.512	8.548	0.42	
4-Isopropyltoluene	1	0		7.29	54.18	50			5.661	6.134	8.35	
n-Butylbenzene	1	0		7.52	50.76	50			7.095	7.202	1.51	
p-Diethylbenzene	1	0		7.51	49.08				3.224			
1,2,4,5-Tetramethylbenzene	1	0		7.94	45.93				4.573			
1,2-Dibromo-3-Chloropropane	1	0		7.98	37.89	50			0.102	0.095	24.21	
Camphor	1	0		8.41	303.91	500			0.039	0.031	39.22	
Hexachlorobutadiene	1	0		8.56	43.28	50			1.504	1.372	13.45	
1,2,4-Trichlorobenzene	1	0		8.47	32.58	50			1.652	1.170	34.83	
1,2,3-Trichlorobenzene	1	0		8.76	30.14	50			1.385	0.835	39.73	
Naphthalene	1	0		8.61	27.19	50			2.018	1.196	45.61	
1,2-Dioxane	1	100		0.00	0.00	5000				0.000	100.00	
Freon 113	1	100		0.00	0.00	50				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

FORM8

Internal Standard Areas

Evaluation Std Data File: 6M85930.D Method: EPA 8260B

Analysis Date/Time: 07/12/12 13:22

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	163218	4.54	76764	6.09	33110	7.32						
Eval File Area Limit:	81609-326436		38382-153528		16555-66220							
Eval File Rt Limit:	4.04-5.04		5.59-6.59		6.82-7.82							

Data File	Sample												
6M85915.D	BLK	238987	4.53	123340	6.10	41650	7.32						
6M85916.D	50 PPB	161541	4.53	80939	6.09	39424	7.32						
6M85917.D	BLK	129813	4.54	80315	6.09	30675	7.32						
6M85918.D	50 PPB	144225	4.53	84948	6.09	41049	7.32						
6M85919.D	BLK	122233	4.54	74000	6.09	33698	7.32						
6M85920.D	BLK	99008	4.53	54735	6.09	25843	7.33						
6M85921.D	BLK	125308	4.53	58114	6.09	26125	7.32						
6M85922.D	CAL @ 0.5 PF	126382	4.54	71156	6.09	28195	7.32						
6M85923.D	CAL @ 2 PPB	163197	4.53	75142	6.09	33860	7.32						
6M85924.D	CAL @ 1 PPB	179069	4.54	93970	6.09	35292	7.32						
6M85925.D	CAL @ 5 PPB	198436	4.53	91556	6.09	35112	7.32						
6M85926.D	CAL @ 500 P	241879	4.53	76870	6.09	42041	7.32						
6M85927.D	CAL @ 250 P	239924	4.54	101960	6.10	42489	7.33						
6M85928.D	CAL @ 100 P	212042	4.53	99876	6.09	36100	7.32						
6M85929.D	CAL @ 50 PP	212781	4.54	94350	6.09	40094	7.32						
6M85930.D	CAL @ 20 PP	163218	4.54	76764	6.09	33110	7.32						
6M85931.D	50 PPB	99634	4.53	48884	6.09	31343	7.32						
6M85932.D	BLK	187517	4.54	96177	6.10	36675	7.32						
6M85934.D	50 PPB	9547 A	4.54	5311 A	6.10	2554 A	7.32						
6M85935.D	STD	201634	4.54	120174	6.10	56366	7.32						
6M85936.D	50 PPB	221511	4.54	116804	6.10	55742	7.32						
6M85937.D	BLK	211435	4.54	124426	6.10	56873	7.33						
6M85938.D	ICV	224690	4.54	123169	6.10	58991	7.33						
6M85939.D	STD	245235	4.54	132422	6.11	62550	7.34						
6M85940.D	BLK	195908	4.54	115210	6.10	49391	7.33						
6M85941.D	DAILY BLANK	204770	4.54	117706	6.11	46945	7.34						
6M85942.D	AC66944-007	200349	4.54	90490	6.10	44702	7.32						
6M85943.D	AC67010-001	229626	4.54	124462	6.10	51572	7.32						
6M85944.D	MBS18764	221463	4.54	123531	6.09	56637	7.32						
6M85945.D	AC66856-004	214983	4.54	111720	6.10	52071	7.33						
6M85946.D	AC66945-001	211714	4.54	87287	6.10	43894	7.32						
6M85947.D	AC66945-002	201113	4.53	102724	6.09	45110	7.32						
6M85948.D	AC66945-004	200055	4.54	108287	6.09	43939	7.32						
6M85949.D	AC66945-005	188017	4.53	104672	6.09	43348	7.33						
6M85950.D	AC66856-008	211315	4.54	114627	6.09	48268	7.32						
6M85951.D	AC66856-009	192297	4.54	83840	6.09	42981	7.32						
6M85952.D	AC66856-010	177597	4.54	96496	6.10	40311	7.32						
6M85953.D	AC66856-011	185482	4.54	73436	6.09	44678	7.32						
6M85954.D	AC66856-012	219199	4.54	100910	6.09	46966	7.32						
6M85955.D	AC66962-003	203243	4.54	108827	6.09	45755	7.32						
6M85956.D	AC66962-004	191192	4.53	84014	6.09	44019	7.33						
6M85957.D	AC66966-004	203189	4.54	106644	6.10	45384	7.32						
6M85958.D	AC66953-001	176301	4.54	99830	6.09	47250	7.32						
6M85959.D	STD	211672	4.53	123185	6.09	56021	7.32						
6M85960.D	BLK	223838	4.54	123176	6.10	51398	7.33						
6M85961.D	BLK	196615	4.53	99646	6.09	41753	7.32						
6M85962.D	BLK	188895	4.53	102740	6.09	40495	7.32						
6M85963.D	BLK	211396	4.54	116590	6.10	47978	7.33						

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 6M86258.D Method: EPA 8260B

Analysis Date/Time: 07/20/12 09:11

Lab File ID: CAL @ 50 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	223045	4.53	122771	6.09	52341	7.33						
Eval File Area Limit:	111522-446090		61386-245542		26170-104682							
Eval File Rt Limit:	4.03-5.03		5.59-6.59		6.83-7.83							

Data File	Sample												
6M86259.D	BLK	239127	4.54	133221	6.10	50368	7.33						
6M86260.D	DAILY BLANK	197158	4.54	102560	6.10	40008	7.33						
6M86261.D	MBS18837	196647	4.54	105487	6.10	44970	7.32						
6M86262.D	BLK	195198	4.54	103335	6.10	39922	7.32						
6M86263.D	AC67071-003	159377	4.54	88270	6.10	33703	7.32						
6M86264.D	AC67127-003	160444	4.54	78806	6.10	37937	7.32						
6M86265.D	AC67061-002	180837	4.54	72675	6.10	37856	7.32						
6M86266.D	BLK	188437	4.54	100061	6.10	38284	7.33						
6M86267.D	AC67152-001	160145	4.54	90632	6.10	37414	7.32						
6M86268.D	AC67160-004	163754	4.54	91749	6.10	40737	7.33						
6M86269.D	AC67160-003	116587	4.54	74206	6.10	34201	7.32						
6M86270.D	AC67152-003	169177	4.54	95691	6.10	40900	7.33						
6M86271.D	AC67152-004	194117	4.54	101374	6.10	41475	7.33						
6M86272.D	AC67137-001	220492	4.53	129106	6.09	52538	7.32						
6M86273.D	AC67137-002	195190	4.54	114667	6.10	48861	7.32						
6M86274.D	AC67150-001	192231	4.54	104528	6.10	46201	7.32						
6M86275.D	AC67150-002	185075	4.54	106291	6.10	40172	7.32						
6M86276.D	AC67150-003	171193	4.54	94081	6.10	38846	7.33						
6M86277.D	AC67152-004	159091	4.54	87974	6.10	42694	7.32						
6M86278.D	AC67152-004	156521	4.54	68378	6.10	41363	7.32						
6M86279.D	AC67160-002	178100	4.54	97111	6.10	41638	7.32						
6M86280.D	BLK	173074	4.54	94541	6.10	36007	7.32						
6M86281.D	AC67127-002	113626	4.54	73582	6.10	30487	7.33						
6M86282.D	AC67086-007	172432	4.54	96242	6.10	38279	7.33						
6M86283.D	AC67074-007	106951 A	4.54	60167 A	6.10	29128	7.32						
6M86284.D	MBS18843	186309	4.54	99344	6.10	43288	7.32						
6M86285.D	AC67152-001	202066	4.54	105986	6.10	47081	7.33						
6M86286.D	AC67152-001	118013	4.54	76371	6.10	38728	7.33						
6M86287.D	AC67160-001	159463	4.54	93267	6.10	39914	7.32						
6M86288.D	MBS18850	225136	4.54	113197	6.10	49236	7.32						
6M86289.D	AC67150-001	182049	4.54	97611	6.10	42918	7.33						
6M86290.D	AC67150-001	105539 A	4.54	64458	6.10	33706	7.32						
6M86291.D	BLK	197491	4.54	101421	6.10	39812	7.32						
6M86292.D	AC67061-013	144107	4.54	79320	6.10	33414	7.32						
6M86293.D	AC67061-026	167702	4.54	91715	6.10	38457	7.34						
6M86294.D	AC67098-001	92628 A	4.54	63999	6.10	28476	7.33						
6M86295.D	AC67074-009	110439 A	4.54	71191	6.10	33492	7.32						
6M86296.D	AC67074-010	141910	4.54	79523	6.10	33350	7.33						
6M86297.D	AC67074-005	174212	4.54	101788	6.10	40940	7.33						
6M86298.D	MBS18851	163366	4.54	79535	6.10	38800	7.32						
6M86299.D	AC67150-002	174339	4.54	79286	6.10	42535	7.32						
6M86300.D	AC67150-002	206213	4.54	103880	6.10	47089	7.32						
6M86301.D	BLK	186458	4.54	91362	6.10	38929	7.32						
6M86302.D	67086-006	276508	4.53	150051	6.10	53466	7.32						
6M86303.D	67186-007	245418	4.53	123537	6.09	46913	7.33						
6M86304.D	67186-008	240477	4.53	139309	6.10	43700	7.32						

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 6M86311.D Method: EPA 8260B

Analysis Date/Time: 07/22/12 10:20

Lab File ID: CAL @ 50 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	215942	4.53	111797	6.10	49041	7.32						
Eval File Area Limit:	107971-431884		55898-223594		24520-98082							
Eval File Rt Limit:	4.03-5.03		5.6-6.6		6.82-7.82							

Data File	Sample											
6M86312.D	BLK	220484	4.53	119562	6.09	44982	7.32					
6M86313.D	DAILY BLANK	204816	4.54	111154	6.10	41830	7.33					
6M86314.D	MBS18852	228042	4.53	121413	6.09	50470	7.32					
6M86315.D	AC67150-003(	184878	4.53	97462	6.09	40617	7.32					
6M86316.D	AC67150-003(	180358	4.54	78922	6.09	43508	7.32					
6M86317.D	AC67160-002(	168017	4.54	91476	6.10	39109	7.33					
6M86318.D	AC67160-002(	171051	4.54	95691	6.10	40984	7.32					
6M86319.D	MBS18854	204079	4.54	105102	6.09	43765	7.32					
6M86320.D	BLK	188361	4.54	93513	6.09	42578	7.32					
6M86321.D	AC67184-001	140083	4.53	69148	6.09	35342	7.33					
6M86322.D	AC67184-004	167095	4.54	71295	6.10	35957	7.32					
6M86323.D	AC67184-014	205632	4.53	99019	6.09	40624	7.32					
6M86324.D	AC67184-016	191979	4.54	102259	6.10	42582	7.32					
6M86325.D	AC67184-022	171828	4.54	96702	6.10	38043	7.32					
6M86326.D	AC67184-023	164578	4.54	88393	6.10	34899	7.32					
6M86327.D	AC67184-030	200217	4.54	114145	6.10	44119	7.33					
6M86328.D	AC67186-001	204645	4.54	109499	6.10	41939	7.32					
6M86329.D	AC67186-004	197500	4.54	103018	6.09	43073	7.32					
6M86330.D	AC67186-005	147016	4.54	63779	6.10	29765	7.32					
6M86331.D	AC67186-010	176901	4.54	98335	6.10	38795	7.32					
6M86332.D	AC67186-011	131384	4.54	74009	6.10	33852	7.33					
6M86333.D	BLK	157941	4.54	84327	6.09	31801	7.33					
6M86334.D	BLK	185761	4.54	98895	6.10	37643	7.32					
6M86335.D	AC67186-012	11414 A	4.54	5538 A	6.10	2976 A	7.32					
6M86336.D	AC67157-001	144580	4.54	75832	6.10	30923	7.32					
6M86337.D	AC67157-002	180930	4.53	106379	6.10	39276	7.32					
6M86338.D	AC67157-003	24120 A	4.54	17279 A	6.10	7771 A	7.33					
6M86339.D	AC67157-004	151069	4.54	86535	6.10	33681	7.32					
6M86340.D	AC67157-005	131315	4.54	74794	6.10	30438	7.32					
6M86341.D	AC67123-001	148382	4.54	79588	6.10	33566	7.32					
6M86342.D	AC67186-002	151202	4.54	81120	6.10	31525	7.32					
6M86343.D	AC67150-002(	155174	4.55	71388	6.11	40951	7.34					
6M86344.D	AC67150-002(	161822	4.54	80568	6.10	36567	7.33					
6M86345.D	MBS18855	190686	4.54	86822	6.10	44517	7.32					
6M86346.D	AC67152-005	162575	4.54	90257	6.10	40399	7.32					
6M86347.D	AC67152-007	144738	4.54	69210	6.10	36322	7.32					
6M86348.D	AC67152-008	114865	4.54	73175	6.10	31209	7.32					
6M86349.D	AC67152-009	124312	4.54	74688	6.10	32342	7.32					
6M86350.D	AC67152-002	114494	4.54	56619	6.09	32337	7.33					
6M86351.D	AC67169-001	134758	4.54	74209	6.10	28984	7.33					
6M86352.D	AC67169-002	165636	4.54	73248	6.10	34385	7.32					
6M86353.D	AC67169-011	167430	4.54	91880	6.10	38350	7.33					
6M86354.D	AC67137-003	127805	4.54	65810	6.10	34829	7.32					
6M86355.D	AC67152-006	153070	4.54	69510	6.10	37972	7.32					
6M86356.D	BLK	174576	4.54	91164	6.10	36167	7.32					
6M86357.D	BLK	131044	4.54	69381	6.10	25351	7.33					
6M86358.D	BLK	159157	4.54	86374	6.10	34517	7.32					
6M86359.D	BLK	196064	4.53	82472	6.10	36546	7.32					

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 6M86373.D Method: EPA 8260B

Analysis Date/Time: 07/23/12 11:11

Lab File ID: CAL @ 50 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	215067	4.54	111758	6.10	50135	7.32						
Eval File Area Limit:	107534-430134		55879-223516		25068-100270							
Eval File Rt Limit:	4.04-5.04		5.6-6.6		6.82-7.82							

Data File	Sample											
6M86371.D	50 PPB	183814	4.54	81766	6.09	46586	7.32					
6M86372.D	BLK	203963	4.54	110977	6.10	41510	7.33					
6M86374.D	BLK	207329	4.54	96568	6.10	46787	7.33					
6M86375.D	DAILY BLANK	161649	4.54	86743	6.10	32087	7.33					
6M86376.D	MBS18862	218923	4.53	132032	6.09	54061	7.33					
6M86377.D	BLK	176257	4.54	96108	6.10	36875	7.32					
6M86378.D	AC67157-003	184755	4.54	101788	6.10	37563	7.33					
6M86379.D	AC67186-012	126935	4.54	82568	6.10	34330	7.33					
6M86380.D	AC67152-006	149745	4.54	85762	6.10	31648	7.33					
6M86381.D	AC67074-006	144294	4.54	81092	6.10	31829	7.33					
6M86382.D	AC67074-003	41561 A	4.54	35156 A	6.10	21163 A	7.33					
6M86383.D	AC67193-001(	184113	4.54	104702	6.10	46063	7.32					
6M86384.D	67074-003	248229	4.64	66564	6.10	45730	7.33					
6M86385.D	AC67193-001(	187377	4.54	104791	6.10	43802	7.33					
6M86386.D	BLK	217402	4.54	115779	6.10	46755	7.34					
6M86387.D	AC67193-001	106248 A	4.54	66017	6.10	25745	7.33					
6M86388.D	AC67193-002	171353	4.55	95528	6.11	35668	7.34					
6M86389.D	AC67193-003	141289	4.54	82436	6.10	36146	7.33					
6M86390.D	AC67193-004	137020	4.54	74281	6.10	28830	7.33					
6M86391.D	AC67193-005	174803	4.54	96408	6.10	32732	7.33					
6M86392.D	MBS18868	200611	4.54	87524	6.10	44659	7.33					
6M86393.D	AC67193-005(	152698	4.54	85596	6.10	39320	7.33					
6M86394.D	AC67193-005(	232733	4.54	121677	6.10	51897	7.33					
6M86395.D	BLK	189745	4.54	111414	6.11	43204	7.34					
6M86396.D	67193-001	272321	4.54	145119	6.10	52756	7.33					
6M86397.D	67193-002	276618	4.54	129673	6.10	50801	7.33					
6M86398.D	67193-003	217343	4.54	107395	6.10	36727	7.33					
6M86399.D	67193-004	279141	4.54	133334	6.10	48675	7.34					
6M86400.D	67193-005	204652	4.54	84464	6.10	36120	7.33					
6M86401.D	67201-001	275544	4.54	130683	6.10	52901	7.33					
6M86402.D	67201-002	255321	4.54	131968	6.10	54598	7.33					
6M86403.D	67201-003	244963	4.54	108859	6.10	49367	7.33					
6M86404.D	67201-004	221136	4.54	112626	6.10	44381	7.34					
6M86405.D	67201-005	250186	4.55	118731	6.11	48142	7.35					
6M86406.D	67201-006	262154	4.54	127399	6.10	47534	7.33					
6M86407.D	67201-007	254628	4.54	126270	6.10	48901	7.33					
6M86408.D	67201-008	263539	4.54	120172	6.10	48254	7.33					
6M86409.D	67201-009	210873	4.54	107634	6.10	36326	7.33					
6M86410.D	67201-010	243392	4.54	104173	6.10	43108	7.34					
6M86411.D	67213-003	250744	4.54	128904	6.10	45717	7.34					
6M86412.D	67213-004	248234	4.54	108750	6.10	47593	7.33					
6M86413.D	BLK	244974	4.54	146003	6.10	55690	7.33					

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 6M86574.D Method: EPA 8260B

Analysis Date/Time: 07/27/12 13:42

Lab File ID: CAL @ 50 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	226664	4.54	130502	6.10	54834	7.33						
Eval File Area Limit:	113332-453328		65251-261004		27417-109668							
Eval File Rt Limit:	4.04-5.04		5.6-6.6		6.83-7.83							

Data File	Sample												
6M86572.D	BLK	210876	4.54	119969	6.10	48290	7.33						
6M86573.D	50 PPB	206088	4.54	112419	6.10	52257	7.33						
6M86575.D	BLK	196261	4.54	115610	6.10	43734	7.33						
6M86576.D	DAILY BLANK	220560	4.54	116197	6.10	40897	7.33						
6M86577.D	MBS19242	183019	4.54	94755	6.10	47463	7.33						
6M86578.D	BLK	171926	4.54	81002	6.10	41986	7.33						
6M86579.D	AC67186-003	174629	4.54	100176	6.10	39799	7.33						
6M86580.D	AC67291-003	159561	4.55	79816	6.11	36593	7.34						
6M86581.D	AC67291-004	164033	4.54	95069	6.10	39747	7.33						
6M86582.D	AC67291-005	180329	4.54	106501	6.10	43492	7.33						
6M86583.D	AC67276-002	125279	4.54	75324	6.10	30977	7.33						
6M86584.D	AC67276-003	150176	4.54	88727	6.10	42257	7.33						
6M86585.D	AC67276-004	145115	4.54	88156	6.10	37988	7.33						
6M86586.D	AC67276-006	126155	4.54	62402 A	6.10	32417	7.34						
6M86587.D	AC67276-007	135587	4.55	75171	6.10	33948	7.34						
6M86588.D	BLK	170439	4.54	98674	6.10	35090	7.33						
6M86589.D	MBS19247	182894	4.54	99104	6.10	44844	7.33						
6M86590.D	AC67266-006	154319	4.54	92301	6.10	35437	7.33						
6M86591.D	AC67266-003	141456	4.55	83528	6.10	34731	7.33						
6M86592.D	AC67269-001	137898	4.54	83450	6.10	38585	7.33						
6M86593.D	AC67266-002(	141014	4.54	80658	6.10	39227	7.33						
6M86594.D	AC67300-002(	132514	4.54	78510	6.10	40883	7.33						
6M86595.D	AC67300-002(	162135	4.54	74738	6.10	42950	7.33						
6M86596.D	AC67300-002	154816	4.55	89331	6.11	33807	7.34						
6M86597.D	AC67300-001	136053	4.54	78032	6.10	31682	7.33						
6M86598.D	AC67300-003	131179	4.54	85042	6.10	33817	7.33						
6M86599.D	AC67300-004	111780 A	4.54	57912 A	6.10	30004	7.33						
6M86600.D	AC67300-005	140456	4.55	81281	6.11	31333	7.34						
6M86601.D	AC67300-006	67283 A	4.54	52187 A	6.10	23545 A	7.33						
6M86602.D	AC67300-007	119248	4.55	75867	6.10	29542	7.34						
6M86603.D	AC67300-008	128171	4.55	74785	6.11	27961	7.34						
6M86604.D	AC67300-009	129864	4.54	66971	6.10	30631	7.33						
6M86605.D	AC67300-012	120901	4.54	66174	6.10	27727	7.33						
6M86606.D	BLK	134537	4.54	77082	6.10	29448	7.34						
6M86607.D	AC67276-006	124028	4.54	60118 A	6.10	32204	7.33						
6M86608.D	AC67313-002	126195	4.54	79261	6.10	35556	7.33						
6M86609.D	MBS19256	155293	4.54	73049	6.10	40274	7.33						
6M86610.D	AC67300-003(	79807 A	4.54	51365 A	6.10	29054	7.33						
6M86611.D	AC67300-003(	95190 A	4.54	66881	6.10	35248	7.33						
6M86612.D	BLK	154071	4.54	86397	6.10	34251	7.33						
6M86613.D	BLK	112957 A	4.54	53472 A	6.10	26705 A	7.33						

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

Semi-Volatile Data

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC67152-001
Client Id: MW-1 A
Data File: 7M55176.D
Analysis Date: 07/27/12 16:35
Date Rec/Extracted: 07/18/12-07/26/12
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 93

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
122-66-7	1,2-Diphenylhydrazine	0.036	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.036**	**0.044**
95-95-4	2,4,5-Trichlorophenol	0.036	U	65-85-0	Benzoic Acid	0.18	U
88-06-2	2,4,6-Trichlorophenol	0.036	U	111-91-1	bis(2-Chloroethoxy)methan	0.036	U
120-83-2	2,4-Dichlorophenol	0.0090	U	111-44-4	bis(2-Chloroethyl)ether	0.0090	U
105-67-9	2,4-Dimethylphenol	0.036	U	108-60-1	bis(2-chloroisopropyl)ether	0.036	U
51-28-5	2,4-Dinitrophenol	0.18	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.036	U
121-14-2	2,4-Dinitrotoluene	0.036	U	85-68-7	Butylbenzylphthalate	0.036	U
606-20-2	2,6-Dinitrotoluene	0.036	U	86-74-8	Carbazole	0.036	U
91-58-7	2-Chloronaphthalene	0.036	U	**218-01-9**	**Chrysene**	**0.036**	**0.091**
95-57-8	2-Chlorophenol	0.036	U	53-70-3	Dibenzo[a,h]anthracene	0.036	U
91-57-6	2-Methylnaphthalene	0.036	U	132-64-9	Dibenzofuran	0.0090	U
95-48-7	2-Methylphenol	0.0090	U	84-66-2	Diethylphthalate	0.036	U
88-74-4	2-Nitroaniline	0.036	U	131-11-3	Dimethylphthalate	0.036	U
88-75-5	2-Nitrophenol	0.036	U	84-74-2	Di-n-butylphthalate	0.018	U
106-44-5	3&4-Methylphenol	0.0090	U	117-84-0	Di-n-octylphthalate	0.036	U
91-94-1	3,3'-Dichlorobenzidine	0.036	U	**206-44-0**	**Fluoranthene**	**0.036**	**0.13**
99-09-2	3-Nitroaniline	0.036	U	86-73-7	Fluorene	0.036	U
534-52-1	4,6-Dinitro-2-methylphenol	0.18	U	118-74-1	Hexachlorobenzene	0.036	U
101-55-3	4-Bromophenyl-phenylether	0.036	U	87-68-3	Hexachlorobutadiene	0.036	U
59-50-7	4-Chloro-3-methylphenol	0.036	U	77-47-4	Hexachlorocyclopentadiene	0.036	U
106-47-8	4-Chloroaniline	0.017	U	67-72-1	Hexachloroethane	0.036	U
7005-72-3	4-Chlorophenyl-phenylether	0.036	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.036**	**0.051**
100-01-6	4-Nitroaniline	0.036	U	78-59-1	Isophorone	0.036	U
100-02-7	4-Nitrophenol	0.036	U	91-20-3	Naphthalene	0.0090	U
83-32-9	Acenaphthene	0.036	U	98-95-3	Nitrobenzene	0.036	U
208-96-8	Acenaphthylene	0.036	U	62-75-9	N-Nitrosodimethylamine	0.036	U
62-53-3	Aniline	0.015	U	621-64-7	N-Nitroso-di-n-propylamine	0.0090	U
120-12-7	Anthracene	0.036	U	86-30-6	n-Nitrosodiphenylamine	0.036	U
92-87-5	Benzidine	0.036	U	87-86-5	Pentachlorophenol	0.060	U
56-55-3	**Benzo[a]anthracene**	**0.036**	**0.088**	**85-01-8**	**Phenanthrene**	**0.036**	**0.067**
50-32-8	**Benzo[a]pyrene**	**0.036**	**0.074**	108-95-2	Phenol	0.036	U
205-99-2	**Benzo[b]fluoranthene**	**0.036**	**0.10**	**129-00-0**	**Pyrene**	**0.036**	**0.14**
191-24-2	**Benzo[g,h,i]perylene**	**0.036**	**0.065**				

Worksheet #: 235579 ***Total Target Concentration*** 0.85 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration use

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Quantitation Report (QT Reviewed)

2071832 0137

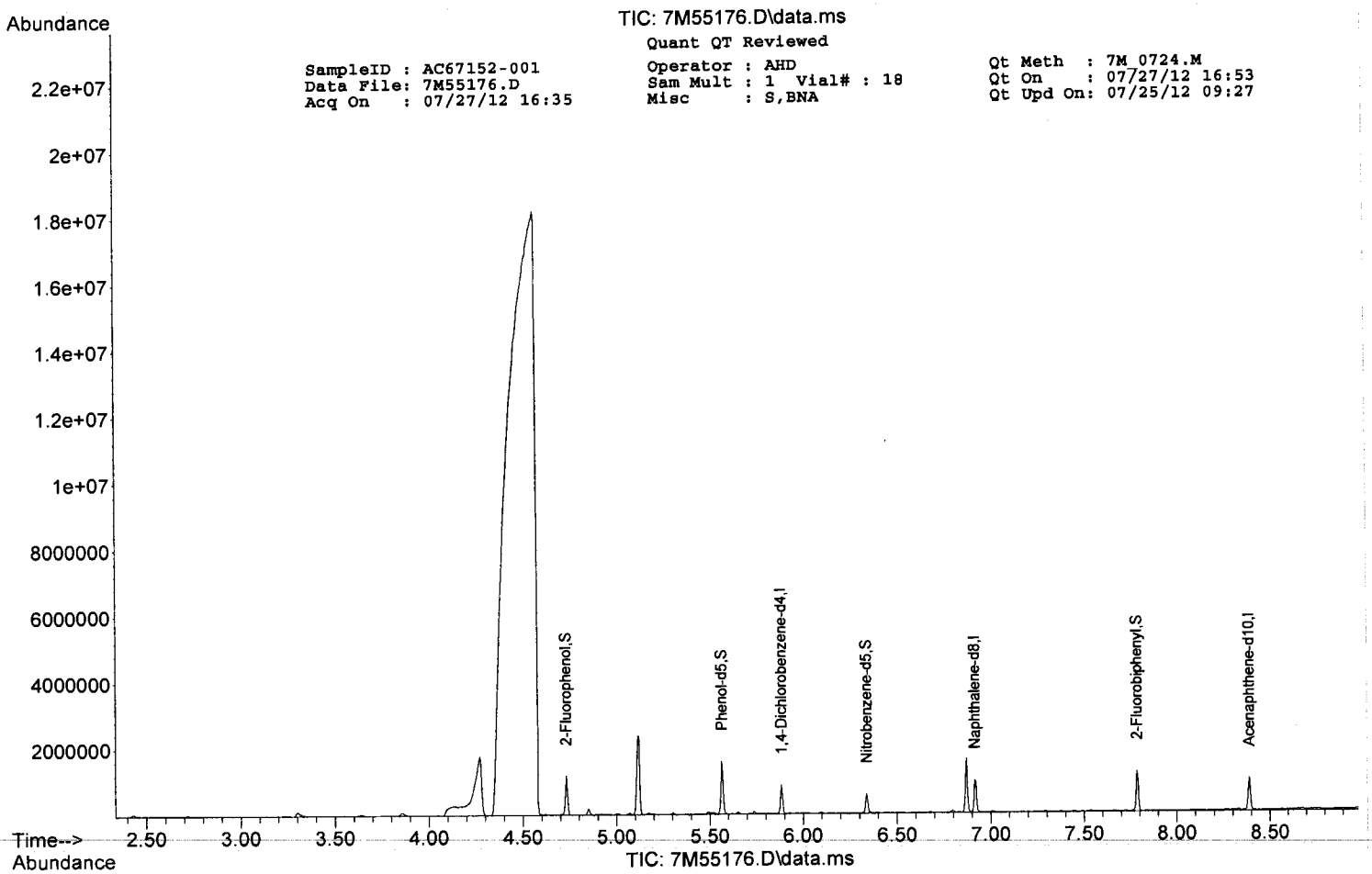
SampleID : AC67152-001 Operator : AHD Qt Meth : 7M_0724.M
Data File: 7M55176.D Sam Mult : 1 Vial# : 18 Qt On : 07/27/12 16:53
Acq On : 07/27/12 16:35 Misc : S,BNA Qt Upd On: 07/25/12 09:27

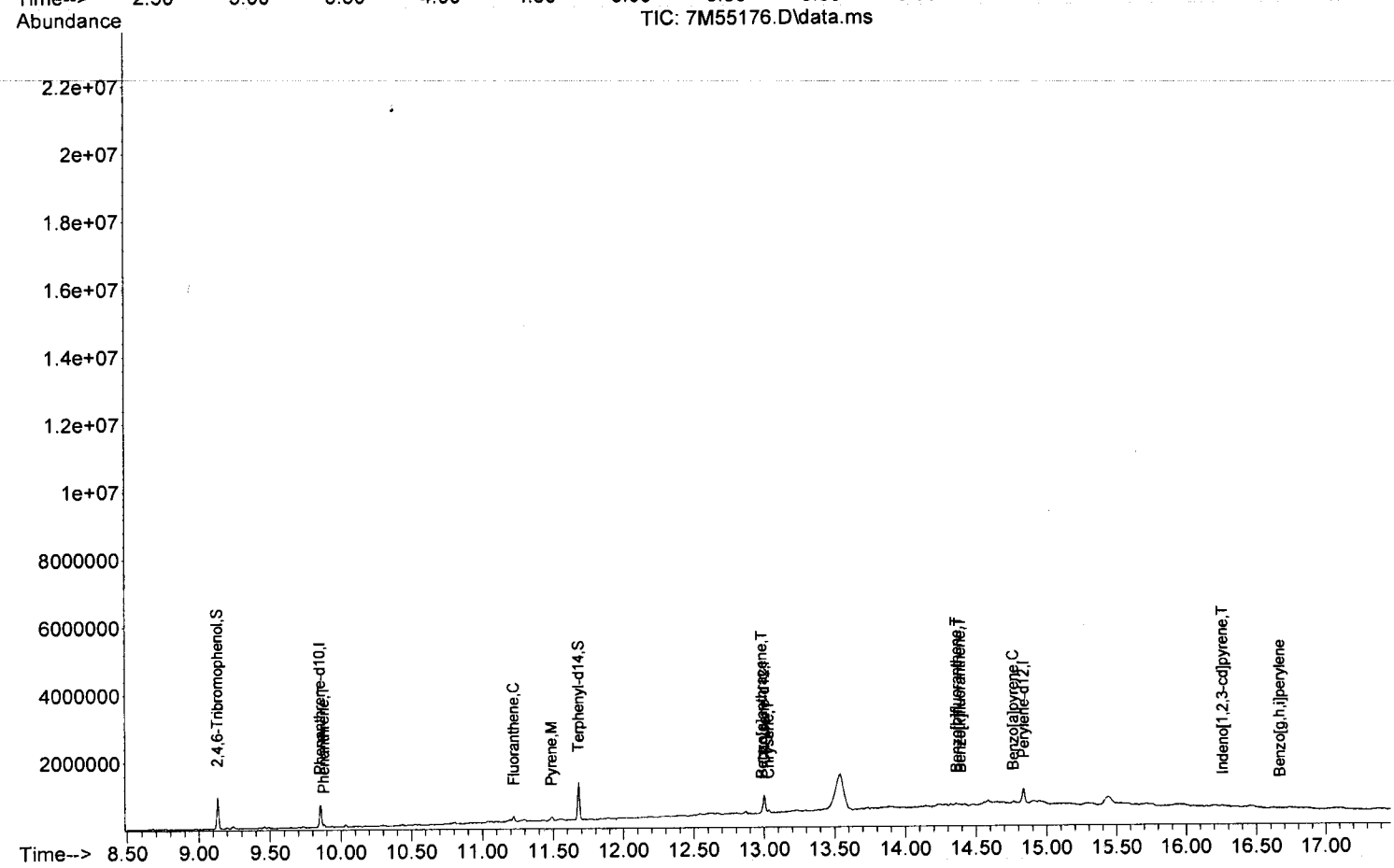
Data Path : G:\GcMsData\2012\GCMS_7\Data\07-27-12\
Qt Path : G:\GCMSDATA\2012\GCMS_7\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.885	152	103485	40.00	ng	0.00
30) Naphthalene-d8	6.916	136	370800	40.00	ng	-0.02
48) Acenaphthene-d10	8.390	164	183846	40.00	ng	-0.04
75) Phenanthrene-d10	9.854	188	253657	40.00	ng	-0.03
89) Chrysene-d12	13.000	240	181753	40.00	ng	0.02
101) Perylene-d12	14.838	264	170647	40.00	ng	0.06
System Monitoring Compounds						
11) 2-Fluorophenol	4.731	112	265977	62.19	ng	0.05
Spiked Amount 100.000			Recovery = 62.19%			
16) Phenol-d5	5.564	99	468728	79.30	ng	0.01
Spiked Amount 100.000			Recovery = 79.30%			
31) Nitrobenzene-d5	6.339	128	66526	35.53	ng	0.00
Spiked Amount 50.000			Recovery = 71.06%			
53) 2-Fluorobiphenyl	7.786	172	298192	44.05	ng	-0.04
Spiked Amount 50.000			Recovery = 88.10%			
78) 2,4,6-Tribromophenol	9.133	330	56420	142.97	ng	-0.04
Spiked Amount 100.000			Recovery = 142.97%			
92) Terphenyl-d14	11.681	244	302424	74.39	ng	0.00
Spiked Amount 50.000			Recovery = 148.78%			
Target Compounds						Qvalue
84) Phenanthrene	9.881	178	27801	3.7411	ng	95
88) Fluoranthene	11.221	202	53995	7.1204	ng	97
90) Pyrene	11.489	202	53638	7.6639	ng	92
98) Benzo[a]anthracene	12.984	228	28450	4.8857	ng	93
99) Chrysene	13.032	228	26603	5.0594	ng	94
103) Benzo[b]fluoranthene	14.363	252	33786m	5.7572	ng	
104) Benzo[k]fluoranthene	14.389	252	13988m	2.4701	ng	
105) Benzo[a]pyrene	14.763	252	22905	4.1439	ng	95
106) Indeno[1,2,3-cd]pyrene	16.259	276	14729	2.8427	ng	98
108) Benzo[g,h,i]perylene	16.665	276	15438	3.6168	ng	84

(#) = qualifier out of range (m) = manual integration (+) = signals summed

lcc


TIC: 7M55176.D\data.ms
Quant QT Reviewed
SampleID : AC67152-001
Data File: 7M55176.D
Acq On : 07/27/12 16:35
Operator : AHD
Sam Mult : 1 Vial# : 18
Misc : S,BNA
Qt Meth : 7M_0724.M
Qt On : 07/27/12 16:53
Qt Upd On: 07/25/12 09:27
Abundance
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
Time-->


TIC: 7M55176.D\data.ms
Abundance
2,4,6-Tribromophenol,S
Fluoranthene,C
Pyrene,M
Terphenyl-d14,S
Benzo[a]pyrene,C
Perylene-d12,I
Indeno[1,2,3-cd]pyrene,T
Benzo[g,h,i]perylene
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC67152-002(3X)
Client Id: MW-2 A
Data File: 7M55174.D
Analysis Date: 07/27/12 15:43
Date Rec/Extracted: 07/18/12-07/26/12
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 3
Solids: 92

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
122-66-7	1,2-Diphenylhydrazine	0.22	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.22**	**0.40**
95-95-4	2,4,5-Trichlorophenol	0.22	U	65-85-0	Benzoic Acid	1.1	U
88-06-2	2,4,6-Trichlorophenol	0.22	U	111-91-1	bis(2-Chloroethoxy)methan	0.22	U
120-83-2	2,4-Dichlorophenol	0.054	U	111-44-4	bis(2-Chloroethyl)ether	0.054	U
105-67-9	2,4-Dimethylphenol	0.22	U	108-60-1	bis(2-chloroisopropyl)ether	0.22	U
51-28-5	2,4-Dinitrophenol	1.1	U	**117-81-7**	**bis(2-Ethylhexyl)phthalate**	**0.22**	**0.36**
121-14-2	2,4-Dinitrotoluene	0.22	U	85-68-7	Butylbenzylphthalate	0.22	U
606-20-2	2,6-Dinitrotoluene	0.22	U	86-74-8	Carbazole	0.22	U
91-58-7	2-Chloronaphthalene	0.22	U	**218-01-9**	**Chrysene**	**0.22**	**1.0**
95-57-8	2-Chlorophenol	0.22	U	**53-70-3**	**Dibenzo[a,h]anthracene**	**0.22**	**0.23**
91-57-6	2-Methylnaphthalene	0.22	U	132-64-9	Dibenzofuran	0.054	U
95-48-7	2-Methylphenol	0.054	U	84-66-2	Diethylphthalate	0.22	U
88-74-4	2-Nitroaniline	0.22	U	131-11-3	Dimethylphthalate	0.22	U
88-75-5	2-Nitrophenol	0.22	U	84-74-2	Di-n-butylphthalate	0.11	U
106-44-5	3&4-Methylphenol	0.054	U	117-84-0	Di-n-octylphthalate	0.22	U
91-94-1	3,3'-Dichlorobenzidine	0.22	U	**206-44-0**	**Fluoranthene**	**0.22**	**1.6**
99-09-2	3-Nitroaniline	0.22	U	86-73-7	Fluorene	0.22	U
534-52-1	4,6-Dinitro-2-methylphenol	1.1	U	118-74-1	Hexachlorobenzene	0.22	U
101-55-3	4-Bromophenyl-phenylether	0.22	U	87-68-3	Hexachlorobutadiene	0.22	U
59-50-7	4-Chloro-3-methylphenol	0.22	U	77-47-4	Hexachlorocyclopentadiene	0.22	U
106-47-8	4-Chloroaniline	0.10	U	67-72-1	Hexachloroethane	0.22	U
7005-72-3	4-Chlorophenyl-phenylether	0.22	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.22**	**0.63**
100-01-6	4-Nitroaniline	0.22	U	78-59-1	Isophorone	0.22	U
100-02-7	4-Nitrophenol	0.22	U	91-20-3	Naphthalene	0.054	U
83-32-9	Acenaphthene	0.22	U	98-95-3	Nitrobenzene	0.22	U
208-96-8	Acenaphthylene	0.22	U	62-75-9	N-Nitrosodimethylamine	0.22	U
62-53-3	Aniline	0.089	U	621-64-7	N-Nitroso-di-n-propylamine	0.054	U
120-12-7	**Anthracene**	**0.22**	**0.32**	86-30-6	n-Nitrosodiphenylamine	0.22	U
92-87-5	Benzidine	0.22	U	87-86-5	Pentachlorophenol	0.37	U
56-55-3	**Benzo[a]anthracene**	**0.22**	**0.95**	**85-01-8**	**Phenanthrene**	**0.22**	**1.2**
50-32-8	**Benzo[a]pyrene**	**0.22**	**0.87**	108-95-2	Phenol	0.22	U
205-99-2	**Benzo[b]fluoranthene**	**0.22**	**1.2**	**129-00-0**	**Pyrene**	**0.22**	**1.7**
191-24-2	**Benzo[g,h,i]perylene**	**0.22**	**0.75**				

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration use

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Quantitation Report (QT Reviewed)

2071832 0140

SampleID : AC67152-002(3X) Operator : AHD Qt Meth : 7M_0724.M
Data File: 7M55174.D Sam Mult : 1 Vial# : 16 Qt On : 07/27/12 16:15
Acq On : 07/27/12 15:43 Misc : S,BNA:6 Qt Upd On: 07/25/12 09:27

Data Path : G:\GcMsData\2012\GCMS_7\Data\07-27-12\
Qt Path : G:\GCMSDATA\2012\GCMS_7\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.879	152	118973	40.00	ng	0.00
30) Naphthalene-d8	6.921	136	452424	40.00	ng	-0.02
48) Acenaphthene-d10	8.395	164	257171	40.00	ng	-0.03
75) Phenanthrene-d10	9.859	188	394013	40.00	ng	-0.03
89) Chrysene-d12	12.952	240	278438	40.00	ng	-0.03
101) Perylene-d12	14.742	264	236936	40.00	ng	-0.03
System Monitoring Compounds						
11) 2-Fluorophenol	4.688	112	63887	12.99	ng	0.01
Spiked Amount 100.000			Recovery = 12.99%			
16) Phenol-d5	5.553	99	109462	16.11	ng	0.00
Spiked Amount 100.000			Recovery = 16.11%			
31) Nitrobenzene-d5	6.339	128	15365	6.73	ng	0.00
Spiked Amount 50.000			Recovery = 13.46%			
53) 2-Fluorobiphenyl	7.792	172	83396	8.81	ng	-0.03
Spiked Amount 50.000			Recovery = 17.62%			
78) 2,4,6-Tribromophenol	9.138	330	13221	21.57	ng	-0.03
Spiked Amount 100.000			Recovery = 21.57%			
92) Terphenyl-d14	11.660	244	70010	11.24	ng	-0.02
Spiked Amount 50.000			Recovery = 22.48%			
Target Compounds						Qvalue
84) Phenanthrene	9.886	178	127152	11.0154	ng	97
85) Anthracene	9.939	178	35077	2.9660	ng	94
88) Fluoranthene	11.211	202	170573	14.4809	ng	94
90) Pyrene	11.478	202	165207	15.4084	ng	92
98) Benzo[a]anthracene	12.936	228	77611	8.7000	ng	96
99) Chrysene	12.984	228	76891	9.5454	ng	98
100) bis(2-Ethylhexyl)phtha...	12.979	149	26882	3.3465	ng	96
103) Benzo[b]fluoranthene	14.277	252	90811m	11.1451	ng	
104) Benzo[k]fluoranthene	14.309	252	29235m	3.7182	ng	
105) Benzo[a]pyrene	14.673	252	61531	8.0174	ng	92
106) Indeno[1,2,3-cd]pyrene	16.158	276	41884	5.8220	ng	85
107) Dibenzo[a,h]anthracene	16.179	278	12938m	2.1160	ng	
108) Benzo[g,h,i]perylene	16.564	276	41120	6.9382	ng	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Ke

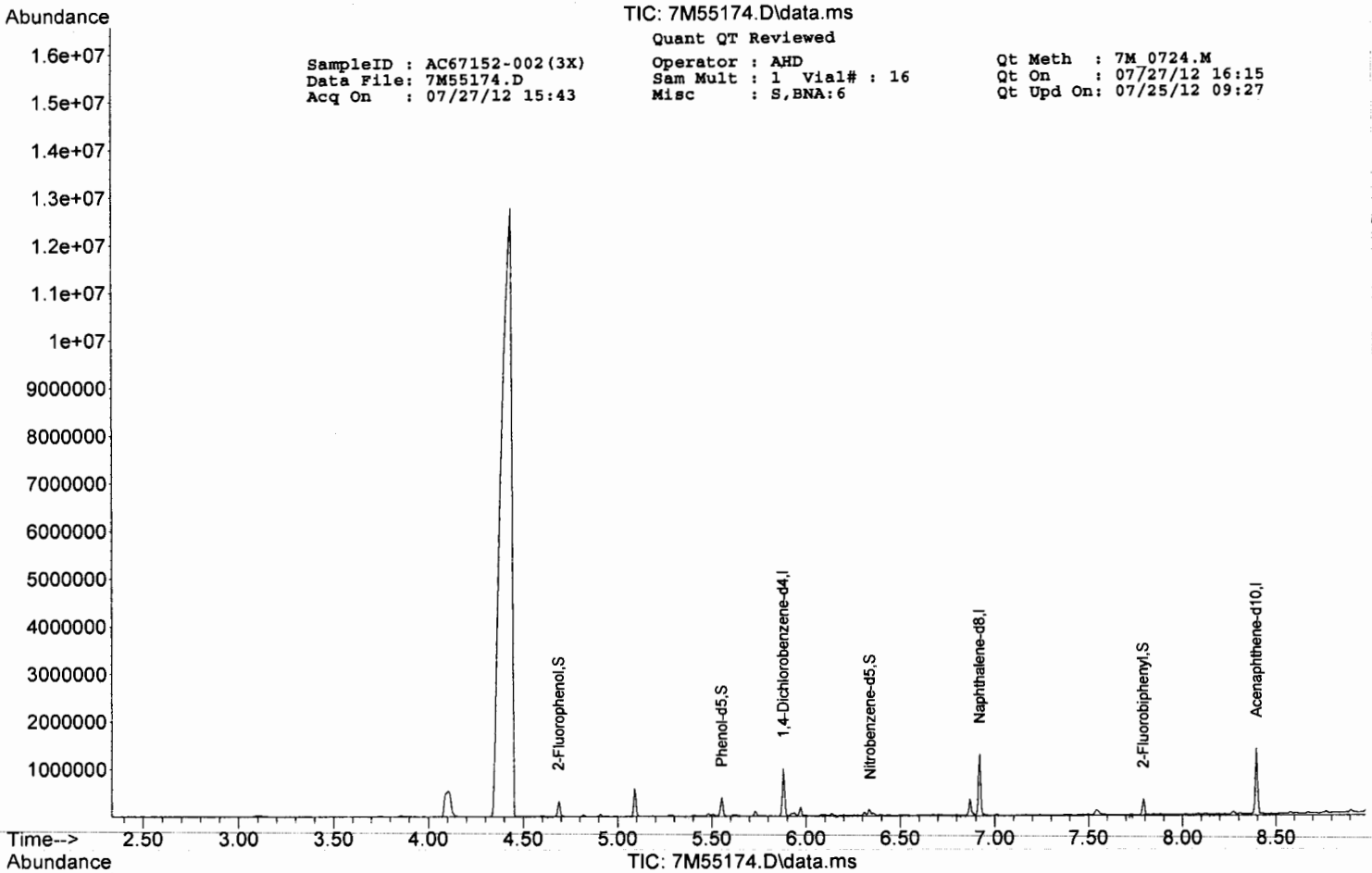
TIC: 7M55174.D\data.ms

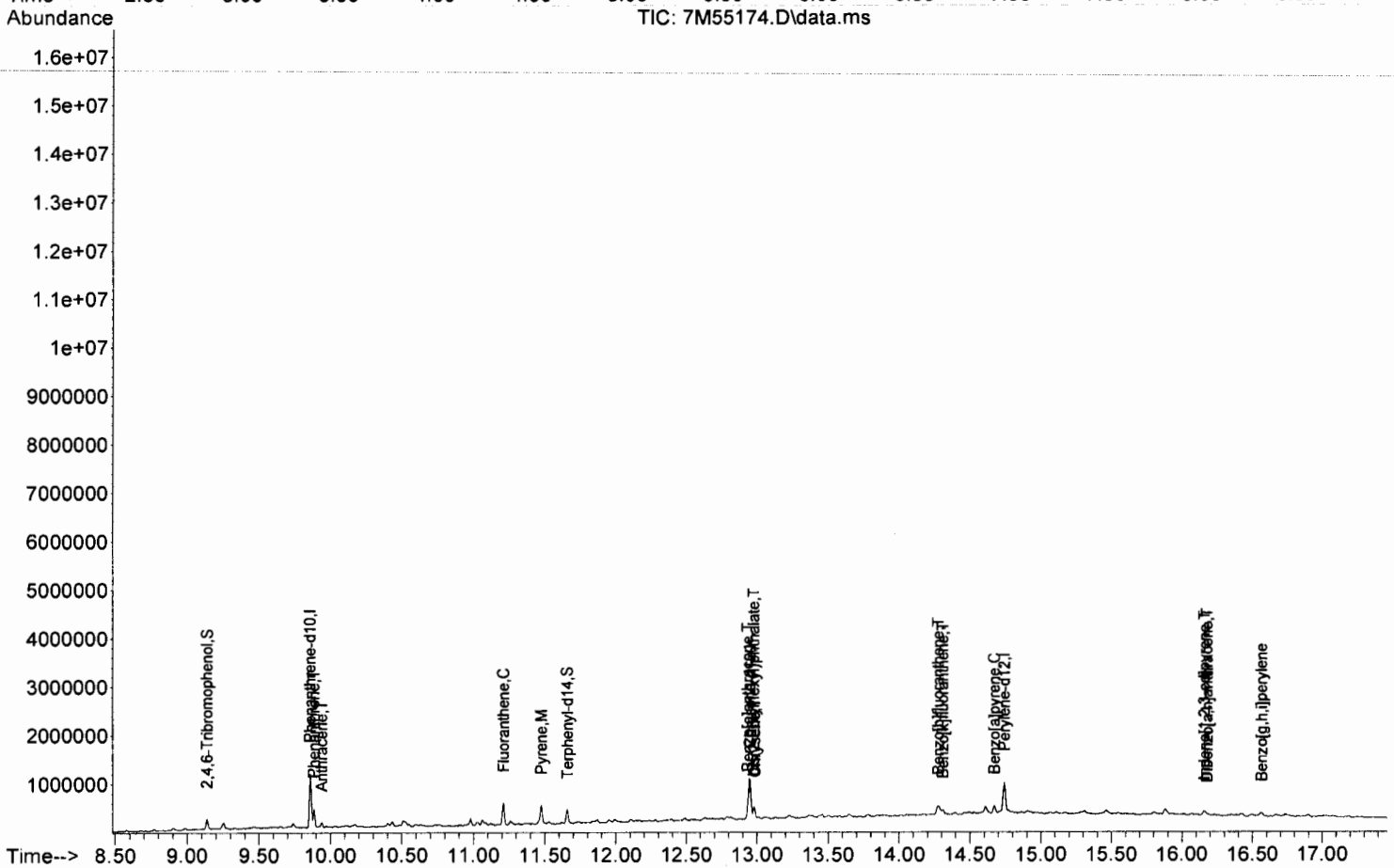
Quant QT Reviewed

SampleID : AC67152-002(3X)
Data File: 7M55174.D
Acq On : 07/27/12 15:43

Operator : AHD
Sam Mult : 1 Vial# : 16
Misc : S,BNA:6

Qt Meth : 7M_0724.M
Qt On : 07/27/12 16:15
Qt Upd On: 07/25/12 09:27





Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC67152-003
Client Id: MW-3 A
Data File: 9M45073.D
Analysis Date: 07/31/12 13:51
Date Rec/Extracted: 07/18/12-07/30/12
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 90

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
122-66-7	1,2-Diphenylhydrazine	0.037	U	207-08-9	Benzo[k]fluoranthene	0.037	U
95-95-4	2,4,5-Trichlorophenol	0.037	U	65-85-0	Benzoic Acid	0.19	U
88-06-2	2,4,6-Trichlorophenol	0.037	U	111-91-1	bis(2-Chloroethoxy)methan	0.037	U
120-83-2	2,4-Dichlorophenol	0.0093	U	111-44-4	bis(2-Chloroethyl)ether	0.0093	U
105-67-9	2,4-Dimethylphenol	0.037	U	108-60-1	bis(2-chloroisopropyl)ether	0.037	U
51-28-5	2,4-Dinitrophenol	0.19	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.037	U
121-14-2	2,4-Dinitrotoluene	0.037	U	85-68-7	Butylbenzylphthalate	0.037	U
606-20-2	2,6-Dinitrotoluene	0.037	U	86-74-8	Carbazole	0.037	U
91-58-7	2-Chloronaphthalene	0.037	U	218-01-9	Chrysene	0.037	U
95-57-8	2-Chlorophenol	0.037	U	53-70-3	Dibenzo[a,h]anthracene	0.037	U
91-57-6	2-Methylnaphthalene	0.037	U	132-64-9	Dibenzofuran	0.0093	U
95-48-7	2-Methylphenol	0.0093	U	84-66-2	Diethylphthalate	0.037	U
88-74-4	2-Nitroaniline	0.037	U	131-11-3	Dimethylphthalate	0.037	U
88-75-5	2-Nitrophenol	0.037	U	84-74-2	Di-n-butylphthalate	0.019	U
106-44-5	3&4-Methylphenol	0.0093	U	117-84-0	Di-n-octylphthalate	0.037	U
91-94-1	3,3'-Dichlorobenzidine	0.037	U	**206-44-0**	**Fluoranthene**	**0.037**	**0.043**
99-09-2	3-Nitroaniline	0.037	U	86-73-7	Fluorene	0.037	U
534-52-1	4,6-Dinitro-2-methylphenol	0.19	U	118-74-1	Hexachlorobenzene	0.037	U
101-55-3	4-Bromophenyl-phenylether	0.037	U	87-68-3	Hexachlorobutadiene	0.037	U
59-50-7	4-Chloro-3-methylphenol	0.037	U	77-47-4	Hexachlorocyclopentadiene	0.037	U
106-47-8	4-Chloroaniline	0.018	U	67-72-1	Hexachloroethane	0.037	U
7005-72-3	4-Chlorophenyl-phenylether	0.037	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.037	U
100-01-6	4-Nitroaniline	0.037	U	78-59-1	Isophorone	0.037	U
100-02-7	4-Nitrophenol	0.037	U	91-20-3	Naphthalene	0.0093	U
83-32-9	Acenaphthene	0.037	U	98-95-3	Nitrobenzene	0.037	U
208-96-8	Acenaphthylene	0.037	U	62-75-9	N-Nitrosodimethylamine	0.037	U
62-53-3	Aniline	0.015	U	621-64-7	N-Nitroso-di-n-propylamine	0.0093	U
120-12-7	Anthracene	0.037	U	86-30-6	n-Nitrosodiphenylamine	0.037	U
92-87-5	Benzidine	0.037	U	87-86-5	Pentachlorophenol	0.19	U
56-55-3	Benzo[a]anthracene	0.037	U	85-01-8	Phenanthrene	0.037	U
50-32-8	Benzo[a]pyrene	0.037	U	108-95-2	Phenol	0.037	U
205-99-2	**Benzo[b]fluoranthene**	**0.037**	**0.043**	**129-00-0**	**Pyrene**	**0.037**	**0.048**
191-24-2	Benzo[g,h,i]perylene	0.037	U				

Worksheet #: 235579 ***Total Target Concentration*** 0.13 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration use

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Quantitation Report (QT Reviewed)

2071832 0143

SampleID : AC67152-003 Operator : AHD Qt Meth : 9M_0717.M
Data File: 9M45073.D Sam Mult : 1 Vial# : 15 Qt On : 07/31/12 14:37
Acq On : 07/31/12 13:51 Misc : S,BNA Qt Upd On: 07/17/12 15:27

Data Path : G:\GcMsData\2012\GCMS_9\Data\07-31-12\
Qt Path : G:\GCMSDATA\2012\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.881	152	113725	40.00	ng	-0.01
30) Naphthalene-d8	6.897	136	417152	40.00	ng	-0.03
48) Acenaphthene-d10	8.341	164	211115	40.00	ng	-0.04
75) Phenanthrene-d10	9.802	188	301725	40.00	ng	-0.03
89) Chrysene-d12	12.845	240	250899	40.00	ng	-0.03
101) Perylene-d12	14.487	264	212660	40.00	ng	-0.04
System Monitoring Compounds						
11) 2-Fluorophenol	4.736	112	286515	65.09	ng	0.05
Spiked Amount 100.000			Recovery = 65.09%			
16) Phenol-d5	5.571	99	448799	70.19	ng	0.00
Spiked Amount 100.000			Recovery = 70.19%			
31) Nitrobenzene-d5	6.330	128	67472	36.09	ng	-0.02
Spiked Amount 50.000			Recovery = 72.18%			
53) 2-Fluorobiphenyl	7.748	172	326424	40.28	ng	-0.03
Spiked Amount 50.000			Recovery = 80.56%			
78) 2,4,6-Tribromophenol	9.079	330	53855	84.26	ng	-0.04
Spiked Amount 100.000			Recovery = 84.26%			
92) Terphenyl-d14	11.599	244	237267	43.73	ng	-0.03
Spiked Amount 50.000			Recovery = 87.46%			
Target Compounds						Qvalue
88) Fluoranthene	11.155	202	25428	2.3422	ng	97
90) Pyrene	11.417	202	23767	2.5806	ng	93
103) Benzo[b]fluoranthene	14.059	252	16992m	2.3328	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

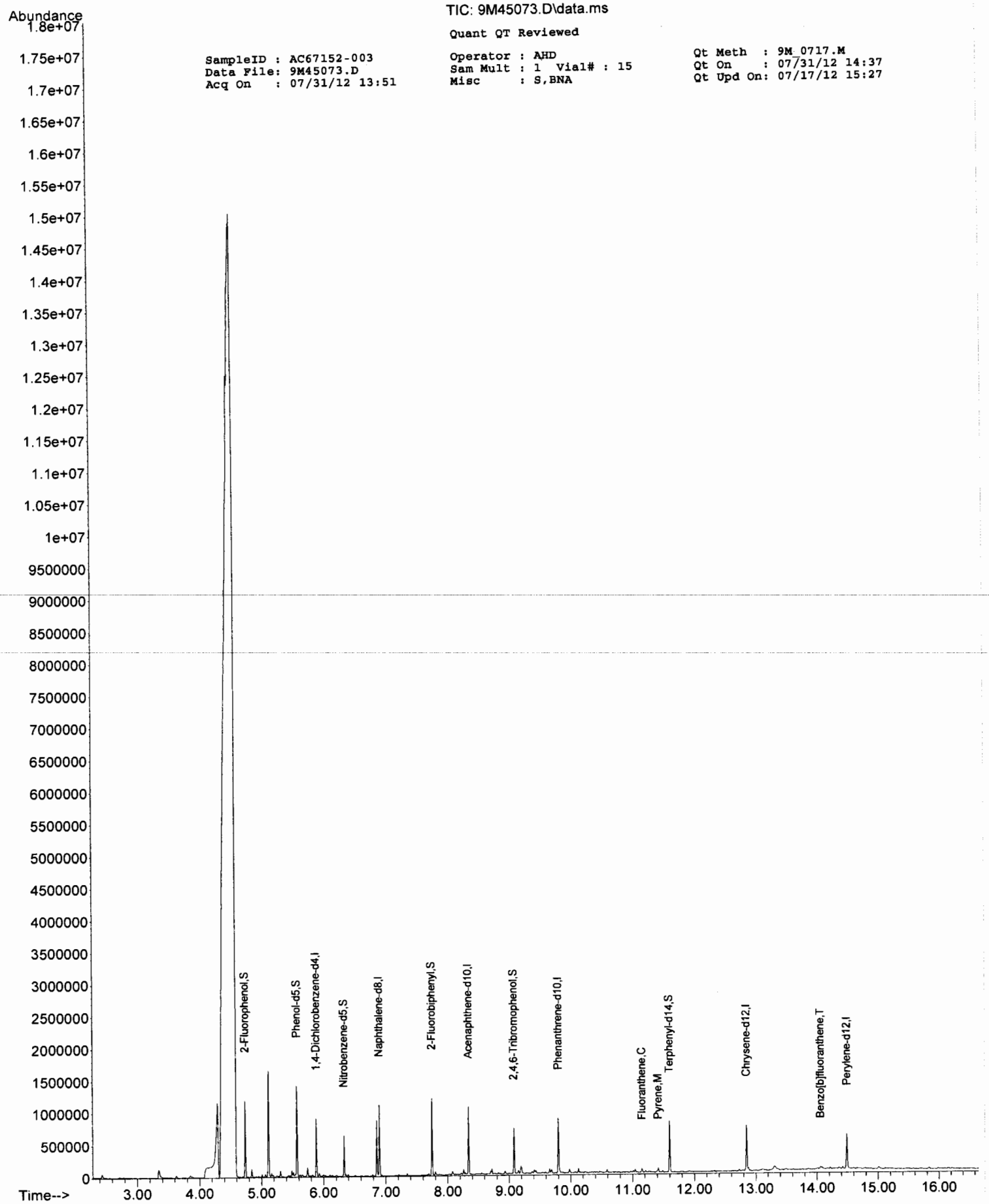
TIC: 9M45073.D\data.ms

Quant QT Reviewed

SampleID : AC67152-003
Data File: 9M45073.D
Acq On : 07/31/12 13:51

Operator : AHD
Sam Mult : 1 Vial# : 15
Misc : S,BNA

Qt Meth : 9M_0717.M
Qt On : 07/31/12 14:37
Qt Upd On: 07/17/12 15:27



Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC67152-004
Client Id: MW-4 A
Data File: 9M45074.D
Analysis Date: 07/31/12 14:14
Date Rec/Extracted: 07/18/12-07/30/12
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 89

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
122-66-7	1,2-Diphenylhydrazine	0.037	U	207-08-9	Benzo[k]fluoranthene	0.037	U
95-95-4	2,4,5-Trichlorophenol	0.037	U	65-85-0	Benzoic Acid	0.19	U
88-06-2	2,4,6-Trichlorophenol	0.037	U	111-91-1	bis(2-Chloroethoxy)methan	0.037	U
120-83-2	2,4-Dichlorophenol	0.0094	U	111-44-4	bis(2-Chloroethyl)ether	0.0094	U
105-67-9	2,4-Dimethylphenol	0.037	U	108-60-1	bis(2-chloroisopropyl)ether	0.037	U
51-28-5	2,4-Dinitrophenol	0.19	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.037	U
121-14-2	2,4-Dinitrotoluene	0.037	U	85-68-7	Butylbenzylphthalate	0.037	U
606-20-2	2,6-Dinitrotoluene	0.037	U	86-74-8	Carbazole	0.037	U
91-58-7	2-Chloronaphthalene	0.037	U	218-01-9	Chrysene	0.037	U
95-57-8	2-Chlorophenol	0.037	U	53-70-3	Dibenzo[a,h]anthracene	0.037	U
91-57-6	2-Methylnaphthalene	0.037	U	132-64-9	Dibenzofuran	0.0094	U
95-48-7	2-Methylphenol	0.0094	U	84-66-2	Diethylphthalate	0.037	U
88-74-4	2-Nitroaniline	0.037	U	131-11-3	Dimethylphthalate	0.037	U
88-75-5	2-Nitrophenol	0.037	U	84-74-2	Di-n-butylphthalate	0.019	U
106-44-5	3&4-Methylphenol	0.0094	U	117-84-0	Di-n-octylphthalate	0.037	U
91-94-1	3,3'-Dichlorobenzidine	0.037	U	206-44-0	Fluoranthene	0.037	U
99-09-2	3-Nitroaniline	0.037	U	86-73-7	Fluorene	0.037	U
534-52-1	4,6-Dinitro-2-methylphenol	0.19	U	118-74-1	Hexachlorobenzene	0.037	U
101-55-3	4-Bromophenyl-phenylether	0.037	U	87-68-3	Hexachlorobutadiene	0.037	U
59-50-7	4-Chloro-3-methylphenol	0.037	U	77-47-4	Hexachlorocyclopentadiene	0.037	U
106-47-8	4-Chloroaniline	0.018	U	67-72-1	Hexachloroethane	0.037	U
7005-72-3	4-Chlorophenyl-phenylether	0.037	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.037	U
100-01-6	4-Nitroaniline	0.037	U	78-59-1	Isophorone	0.037	U
100-02-7	4-Nitrophenol	0.037	U	91-20-3	Naphthalene	0.0094	U
83-32-9	Acenaphthene	0.037	U	98-95-3	Nitrobenzene	0.037	U
208-96-8	Acenaphthylene	0.037	U	62-75-9	N-Nitrosodimethylamine	0.037	U
62-53-3	Aniline	0.015	U	621-64-7	N-Nitroso-di-n-propylamine	0.0094	U
120-12-7	Anthracene	0.037	U	86-30-6	n-Nitrosodiphenylamine	0.037	U
92-87-5	Benzidine	0.037	U	87-86-5	Pentachlorophenol	0.19	U
56-55-3	Benzo[a]anthracene	0.037	U	85-01-8	Phenanthrene	0.037	U
50-32-8	Benzo[a]pyrene	0.037	U	108-95-2	Phenol	0.037	U
205-99-2	Benzo[b]fluoranthene	0.037	U	129-00-0	Pyrene	0.037	U
191-24-2	Benzo[g,h,i]perylene	0.037	U				

Worksheet #: 235579 ***Total Target Concentration*** 0 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration use

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Quantitation Report (QT Reviewed)

2071832 0146

SampleID : AC67152-004 Operator : AHD Qt Meth : 9M_0717.M
Data File: 9M45074.D Sam Mult : 1 Vial# : 16 Qt On : 07/31/12 14:38
Acq On : 07/31/12 14:14 Misc : S,BNA Qt Upd On: 07/17/12 15:27

Data Path : G:\GcMsData\2012\GCMS_9\Data\07-31-12\
Qt Path : G:\GCMSDATA\2012\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.881	152	104459	40.00 ng	-0.01
30) Naphthalene-d8	6.897	136	371568	40.00 ng	-0.03
48) Acenaphthene-d10	8.336	164	197831	40.00 ng	-0.04
75) Phenanthrene-d10	9.802	188	286977	40.00 ng	-0.03
89) Chrysene-d12	12.845	240	223762	40.00 ng	-0.03
101) Perylene-d12	14.482	264	198935	40.00 ng	-0.04
System Monitoring Compounds					
11) 2-Fluorophenol	4.721	112	253050	62.59 ng	0.03
Spiked Amount 100.000			Recovery = 62.59%		
16) Phenol-d5	5.566	99	377492	64.27 ng	0.00
Spiked Amount 100.000			Recovery = 64.27%		
31) Nitrobenzene-d5	6.330	128	63186	37.94 ng	-0.02
Spiked Amount 50.000			Recovery = 75.88%		
53) 2-Fluorobiphenyl	7.743	172	302847	39.88 ng	-0.04
Spiked Amount 50.000			Recovery = 79.76%		
78) 2,4,6-Tribromophenol	9.080	330	47225	77.95 ng	-0.04
Spiked Amount 100.000			Recovery = 77.95%		
92) Terphenyl-d14	11.599	244	223709	46.23 ng	-0.03
Spiked Amount 50.000			Recovery = 92.46%		

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

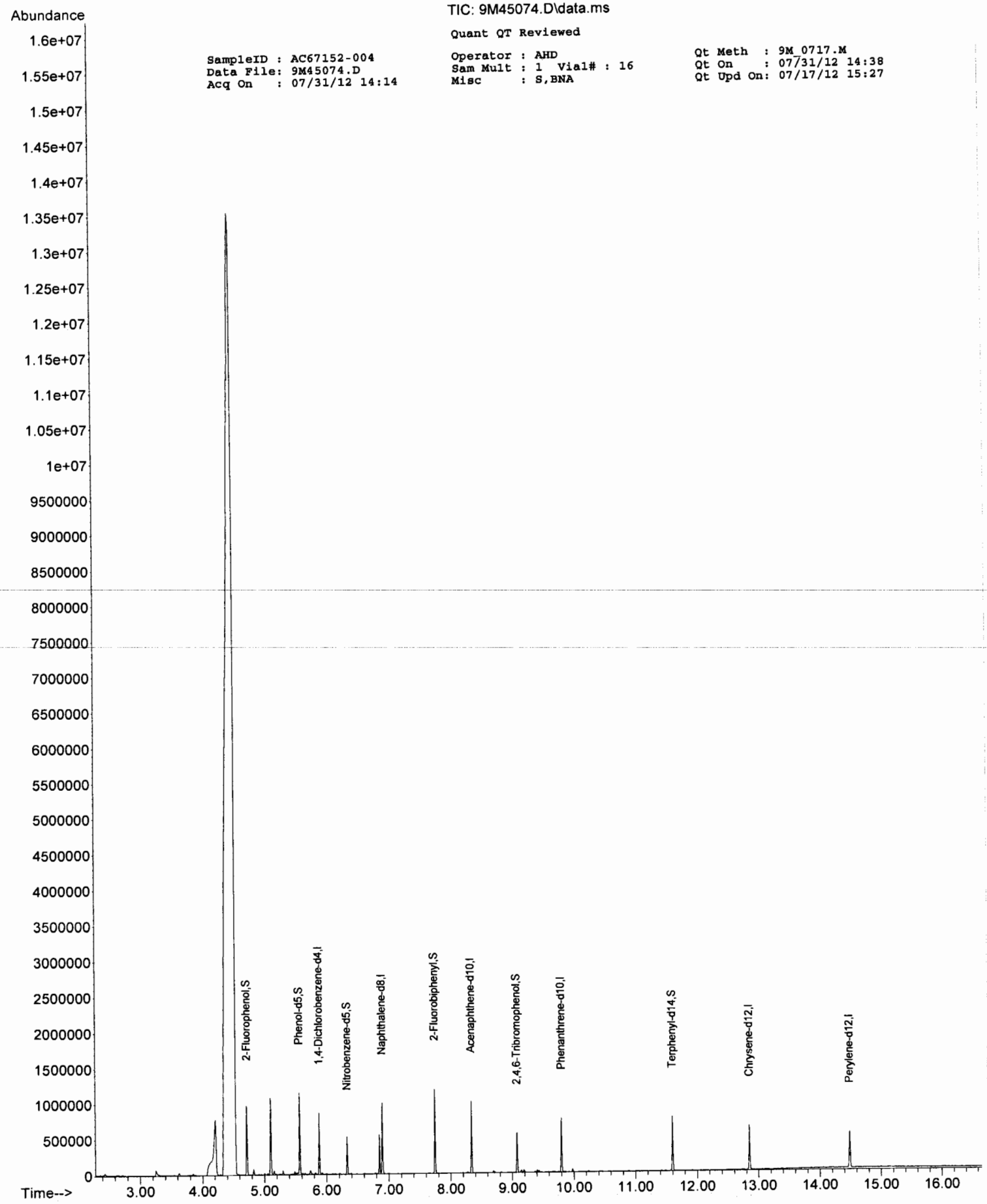
TIC: 9M45074.D\data.ms

Quant QT Reviewed

SampleID : AC67152-004
Data File: 9M45074.D
Acq On : 07/31/12 14:14

Operator : AHD
Sam Mult : 1 Vial# : 16
Misc : S,BNA

Qt Meth : 9M_0717.M
Qt On : 07/31/12 14:38
Qt Upd On: 07/17/12 15:27



Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC67152-005
Client Id: MW-1 B
Data File: 7M55177.D
Analysis Date: 07/27/12 16:59
Date Rec/Extracted: 07/18/12-07/26/12
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 79

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
122-66-7	1,2-Diphenylhydrazine	0.042	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.042**	**0.15**
95-95-4	2,4,5-Trichlorophenol	0.042	U	65-85-0	Benzoic Acid	0.21	U
88-06-2	2,4,6-Trichlorophenol	0.042	U	111-91-1	bis(2-Chloroethoxy)methan	0.042	U
120-83-2	2,4-Dichlorophenol	0.011	U	111-44-4	bis(2-Chloroethyl)ether	0.011	U
105-67-9	2,4-Dimethylphenol	0.042	U	108-60-1	bis(2-chloroisopropyl)ether	0.042	U
51-28-5	2,4-Dinitrophenol	0.21	U	**117-81-7**	**bis(2-Ethylhexyl)phthalate**	**0.042**	**0.053**
121-14-2	2,4-Dinitrotoluene	0.042	U	85-68-7	Butylbenzylphthalate	0.042	U
606-20-2	2,6-Dinitrotoluene	0.042	U	86-74-8	Carbazole	0.042	U
91-58-7	2-Chloronaphthalene	0.042	U	**218-01-9**	**Chrysene**	**0.042**	**0.36**
95-57-8	2-Chlorophenol	0.042	U	**53-70-3**	**Dibenzo[a,h]anthracene**	**0.042**	**0.065**
91-57-6	2-Methylnaphthalene	0.042	U	132-64-9	Dibenzofuran	0.011	U
95-48-7	2-Methylphenol	0.011	U	84-66-2	Diethylphthalate	0.042	U
88-74-4	2-Nitroaniline	0.042	U	131-11-3	Dimethylphthalate	0.042	U
88-75-5	2-Nitrophenol	0.042	U	**84-74-2**	**Di-n-butylphthalate**	**0.021**	**0.035**
106-44-5	**3&4-Methylphenol**	**0.011**	**0.085**	117-84-0	Di-n-octylphthalate	0.042	U
91-94-1	3,3'-Dichlorobenzidine	0.042	U	**206-44-0**	**Fluoranthene**	**0.042**	**0.49**
99-09-2	3-Nitroaniline	0.042	U	86-73-7	Fluorene	0.042	U
534-52-1	4,6-Dinitro-2-methylphenol	0.21	U	118-74-1	Hexachlorobenzene	0.042	U
101-55-3	4-Bromophenyl-phenylether	0.042	U	87-68-3	Hexachlorobutadiene	0.042	U
59-50-7	4-Chloro-3-methylphenol	0.042	U	77-47-4	Hexachlorocyclopentadiene	0.042	U
106-47-8	4-Chloroaniline	0.020	U	67-72-1	Hexachloroethane	0.042	U
7005-72-3	4-Chlorophenyl-phenylether	0.042	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.042**	**0.20**
100-01-6	4-Nitroaniline	0.042	U	78-59-1	Isophorone	0.042	U
100-02-7	4-Nitrophenol	0.042	U	**91-20-3**	**Naphthalene**	**0.011**	**0.030**
83-32-9	Acenaphthene	0.042	U	98-95-3	Nitrobenzene	0.042	U
208-96-8	**Acenaphthylene**	**0.042**	**0.063**	62-75-9	N-Nitrosodimethylamine	0.042	U
62-53-3	Aniline	0.017	U	621-64-7	N-Nitroso-di-n-propylamine	0.011	U
120-12-7	**Anthracene**	**0.042**	**0.073**	86-30-6	n-Nitrosodiphenylamine	0.042	U
92-87-5	Benzidine	0.042	U	87-86-5	Pentachlorophenol	0.071	U
56-55-3	**Benzo[a]anthracene**	**0.042**	**0.33**	**85-01-8**	**Phenanthrene**	**0.042**	**0.23**
50-32-8	**Benzo[a]pyrene**	**0.042**	**0.29**	108-95-2	Phenol	0.042	U
205-99-2	**Benzo[b]fluoranthene**	**0.042**	**0.42**	**129-00-0**	**Pyrene**	**0.042**	**0.55**
191-24-2	**Benzo[g,h,i]perylene**	**0.042**	**0.21**				

Worksheet #: 235579 ***Total Target Concentration*** 3.6 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration use

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Quantitation Report (QT Reviewed)

2071832 0149

SampleID : AC67152-005 Operator : AHD Qt Meth : 7M_0724.M
Data File: 7M55177.D Sam Mult : 1 Vial# : 19 Qt On : 07/29/12 11:27
Acq On : 07/27/12 16:59 Misc : S,BNA Qt Upd On: 07/24/12 17:31

Data Path : G:\GcMsData\2012\GCMS_7\Data\07-27-12\
Qt Path : G:\GCMSDATA\2012\GCMS_7\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.885	152	110277	40.00	ng	0.00
30) Naphthalene-d8	6.921	136	414153	40.00	ng	-0.02
48) Acenaphthene-d10	8.390	164	220416	40.00	ng	-0.04
75) Phenanthrene-d10	9.859	188	326309	40.00	ng	-0.03
89) Chrysene-d12	13.000	240	229039	40.00	ng	0.02
101) Perylene-d12	14.811	264	204255	40.00	ng	0.04
System Monitoring Compounds						
11) 2-Fluorophenol	4.736	112	356055	78.12	ng	0.06
Spiked Amount 100.000			Recovery = 78.12%			
16) Phenol-d5	5.569	99	586372	93.09	ng	0.02
Spiked Amount 100.000			Recovery = 93.09%			
31) Nitrobenzene-d5	6.344	128	82395	39.40	ng	0.00
Spiked Amount 50.000			Recovery = 78.80%			
53) 2-Fluorobiphenyl	7.792	172	399531	49.23	ng	-0.03
Spiked Amount 50.000			Recovery = 98.46%			
78) 2,4,6-Tribromophenol	9.138	330	71383	140.61	ng	-0.03
Spiked Amount 100.000			Recovery = 140.61%			
92) Terphenyl-d14	11.676	244	367995	71.83	ng	0.00
Spiked Amount 50.000			Recovery = 143.66%			
Target Compounds						Qvalue
29) 3&4-Methylphenol	6.205	108	19697	4.0319	ng	92
40) Naphthalene	6.942	128	17954	1.4280	ng	97
60) Acenaphthylene	8.267	152	33390	2.9729	ng	93
84) Phenanthrene	9.886	178	104610	10.9429	ng	100
85) Anthracene	9.939	178	33984	3.4698	ng	90
87) Di-n-butylphthalate	10.474	149	19889	1.6566	ng	92
88) Fluoranthene	11.221	202	226429	23.2113	ng	95
90) Pyrene	11.489	202	228251	25.8798	ng	90
98) Benzo[a]anthracene	12.990	228	114089	15.5475	ng	94
99) Chrysene	13.032	228	113918	17.1922	ng	96
100) bis(2-Ethylhexyl)phtha...	13.032	149	16525	2.5009	ng	96
103) Benzo[b]fluoranthene	14.352	252	140974m	20.0697	ng	
104) Benzo[k]fluoranthene	14.379	252	46741m	6.8958	ng	
105) Benzo[a]pyrene	14.742	252	90998	13.7541	ng	95
106) Indeno[1,2,3-cd]pyrene	16.232	276	57407	9.2566	ng	85
107) Dibenzo[a,h]anthracene	16.248	278	16122	3.0586	ng	93
108) Benzo[g,h,i]perylene	16.644	276	51211	10.0235	ng	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

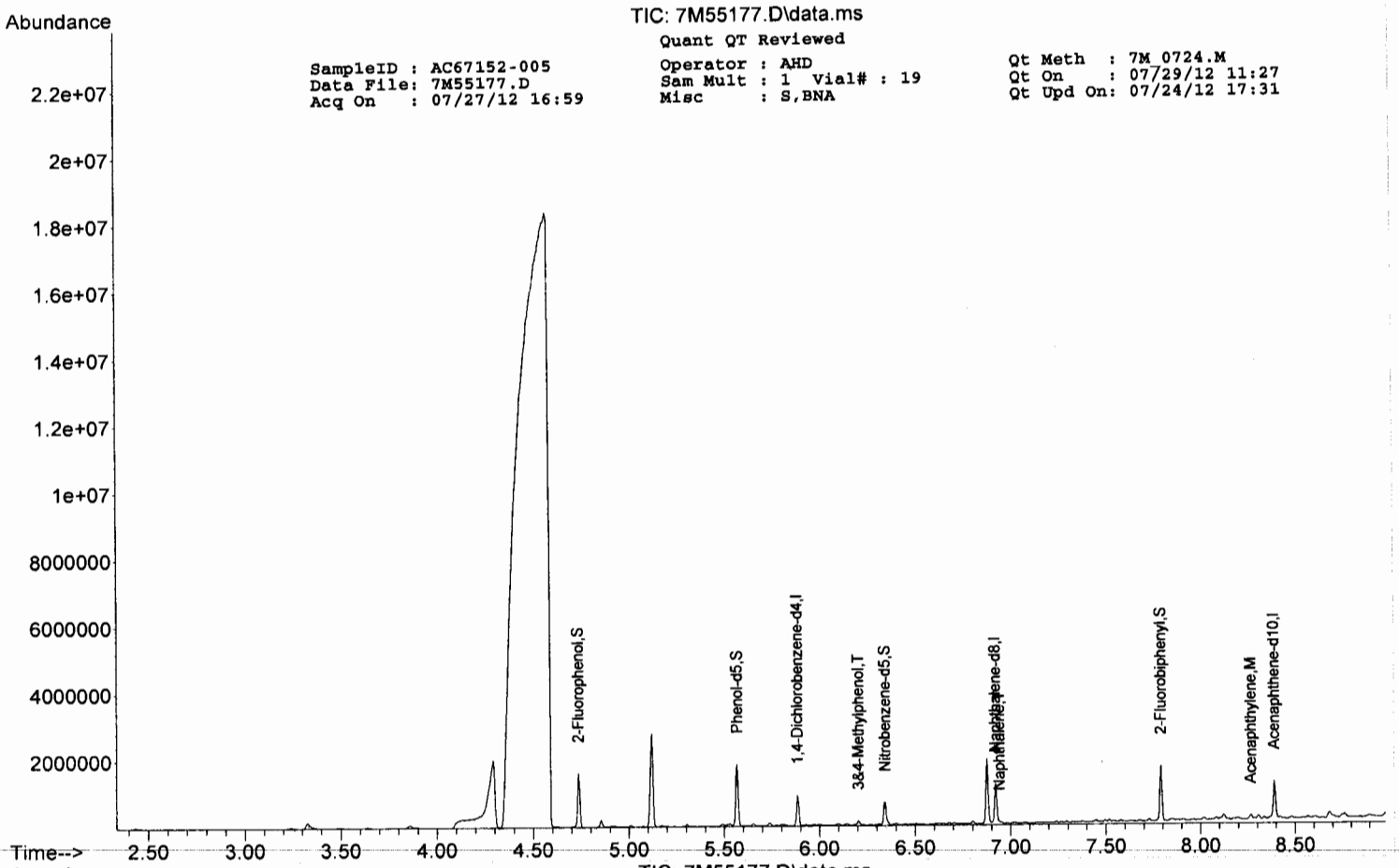
TIC: 7M55177.D\data.ms

Quant QT Reviewed

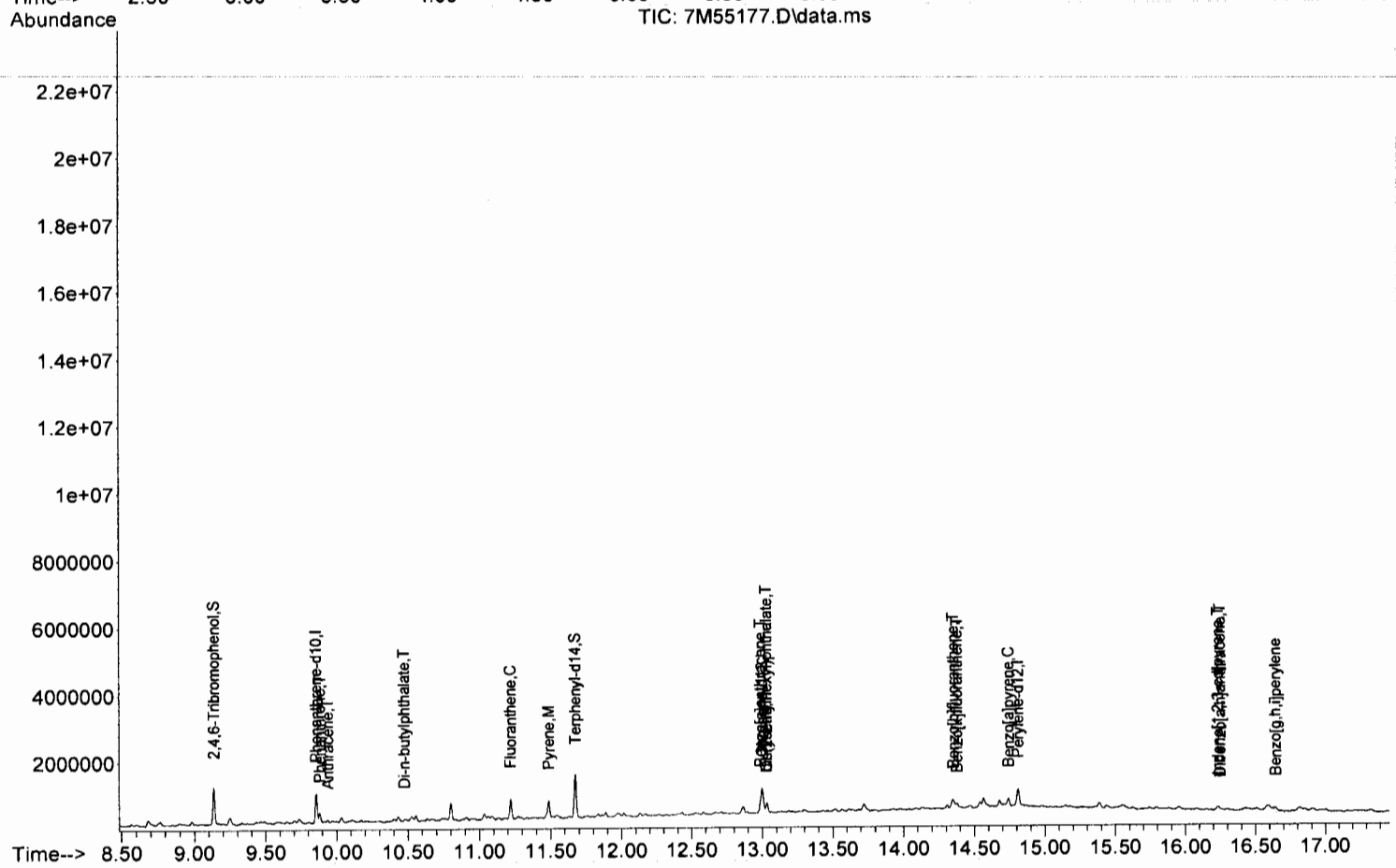
SampleID : AC67152-005
Data File: 7M55177.D
Acq On : 07/27/12 16:59

Operator : AHD
Sam Mult : 1 Vial# : 19
Misc : S,BNA

Qt Meth : 7M_0724.M
Qt On : 07/29/12 11:27
Qt Upd On: 07/24/12 17:31



TIC: 7M55177.D\data.ms



Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC67152-006
Client Id: MW-2 B
Data File: 7M55178.D
Analysis Date: 07/27/12 17:24
Date Rec/Extracted: 07/18/12-07/26/12
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 96

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
122-66-7	1,2-Diphenylhydrazine	0.035	U	207-08-9	Benzo[k]fluoranthene	0.035	U
95-95-4	2,4,5-Trichlorophenol	0.035	U	65-85-0	Benzoic Acid	0.17	U
88-06-2	2,4,6-Trichlorophenol	0.035	U	111-91-1	bis(2-Chloroethoxy)methan	0.035	U
120-83-2	2,4-Dichlorophenol	0.0087	U	111-44-4	bis(2-Chloroethyl)ether	0.0087	U
105-67-9	2,4-Dimethylphenol	0.035	U	108-60-1	bis(2-chloroisopropyl)ether	0.035	U
51-28-5	2,4-Dinitrophenol	0.17	U	**117-81-7**	**bis(2-Ethylhexyl)phthalate**	**0.035**	**0.045**
121-14-2	2,4-Dinitrotoluene	0.035	U	85-68-7	Butylbenzylphthalate	0.035	U
606-20-2	2,6-Dinitrotoluene	0.035	U	86-74-8	Carbazole	0.035	U
91-58-7	2-Chloronaphthalene	0.035	U	**218-01-9**	**Chrysene**	**0.035**	**0.085**
95-57-8	2-Chlorophenol	0.035	U	53-70-3	Dibenzo[a,h]anthracene	0.035	U
91-57-6	2-Methylnaphthalene	0.035	U	132-64-9	Dibenzofuran	0.0087	U
95-48-7	2-Methylphenol	0.0087	U	84-66-2	Diethylphthalate	0.035	U
88-74-4	2-Nitroaniline	0.035	U	131-11-3	Dimethylphthalate	0.035	U
88-75-5	2-Nitrophenol	0.035	U	84-74-2	Di-n-butylphthalate	0.017	U
106-44-5	3&4-Methylphenol	0.0087	U	117-84-0	Di-n-octylphthalate	0.035	U
91-94-1	3,3'-Dichlorobenzidine	0.035	U	**206-44-0**	**Fluoranthene**	**0.035**	**0.099**
99-09-2	3-Nitroaniline	0.035	U	86-73-7	Fluorene	0.035	U
534-52-1	4,6-Dinitro-2-methylphenol	0.17	U	118-74-1	Hexachlorobenzene	0.035	U
101-55-3	4-Bromophenyl-phenylether	0.035	U	87-68-3	Hexachlorobutadiene	0.035	U
59-50-7	4-Chloro-3-methylphenol	0.035	U	77-47-4	Hexachlorocyclopentadiene	0.035	U
106-47-8	4-Chloroaniline	0.016	U	67-72-1	Hexachloroethane	0.035	U
7005-72-3	4-Chlorophenyl-phenylether	0.035	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.035**	**0.053**
100-01-6	4-Nitroaniline	0.035	U	78-59-1	Isophorone	0.035	U
100-02-7	4-Nitrophenol	0.035	U	91-20-3	Naphthalene	0.0087	U
83-32-9	Acenaphthene	0.035	U	98-95-3	Nitrobenzene	0.035	U
208-96-8	Acenaphthylene	0.035	U	62-75-9	N-Nitrosodimethylamine	0.035	U
62-53-3	Aniline	0.014	U	621-64-7	N-Nitroso-di-n-propylamine	0.0087	U
120-12-7	Anthracene	0.035	U	86-30-6	n-Nitrosodiphenylamine	0.035	U
92-87-5	Benzidine	0.035	U	87-86-5	Pentachlorophenol	0.058	U
56-55-3	**Benzo[a]anthracene**	**0.035**	**0.066**	**85-01-8**	**Phenanthrene**	**0.035**	**0.053**
50-32-8	**Benzo[a]pyrene**	**0.035**	**0.066**	108-95-2	Phenol	0.035	U
205-99-2	**Benzo[b]fluoranthene**	**0.035**	**0.099**	**129-00-0**	**Pyrene**	**0.035**	**0.12**
191-24-2	**Benzo[g,h,i]perylene**	**0.035**	**0.065**				

Worksheet #: 235579 ***Total Target Concentration*** 0.75 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration us

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Quantitation Report (QT Reviewed)

2071832 0152

SampleID : AC67152-006 Operator : AHD Qt Meth : 7M_0724.M
Data File: 7M55178.D Sam Mult : 1 Vial# : 20 Qt On : 07/29/12 11:27
Acq On : 07/27/12 17:24 Misc : S,BNA Qt Upd On: 07/25/12 09:27

Data Path : G:\GcMsData\2012\GCMS_7\Data\07-27-12\
Qt Path : G:\GCMSDATA\2012\GCMS_7\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.885	152	113942	40.00	ng	0.00
30) Naphthalene-d8	6.905	136	411215	40.00	ng	-0.03
48) Acenaphthene-d10	8.363	164	212949	40.00	ng	-0.06
75) Phenanthrene-d10	9.838	188	310530	40.00	ng	-0.05
89) Chrysene-d12	12.942	240	204831	40.00	ng	-0.04
101) Perylene-d12	14.699	264	183730	40.00	ng	-0.07
System Monitoring Compounds						
11) 2-Fluorophenol	4.725	112	272300	57.82	ng	0.05
Spiked Amount 100.000			Recovery = 57.82%			
16) Phenol-d5	5.564	99	460293	70.72	ng	0.01
Spiked Amount 100.000			Recovery = 70.72%			
31) Nitrobenzene-d5	6.333	128	67847	32.68	ng	-0.01
Spiked Amount 50.000			Recovery = 65.36%			
53) 2-Fluorobiphenyl	7.765	172	312474	39.85	ng	-0.06
Spiked Amount 50.000			Recovery = 79.70%			
78) 2,4,6-Tribromophenol	9.111	330	53613	110.97	ng	-0.06
Spiked Amount 100.000			Recovery = 110.97%			
92) Terphenyl-d14	11.649	244	301829	65.88	ng	-0.03
Spiked Amount 50.000			Recovery = 131.76%			
Target Compounds						Qvalue
84) Phenanthrene	9.859	178	27676	3.0422	ng	100
88) Fluoranthene	11.195	202	52920	5.7005	ng	92
90) Pyrene	11.467	202	53851	6.8274	ng	92
98) Benzo[a]anthracene	12.926	228	24861	3.7883	ng	90
99) Chrysene	12.974	228	29095	4.9099	ng	98
100) bis(2-Ethylhexyl)phtha...	12.968	149	15305	2.5900	ng	93
103) Benzo[b]fluoranthene	14.240	252	35956m	5.6907	ng	
105) Benzo[a]pyrene	14.624	252	22786	3.8288	ng	95
106) Indeno[1,2,3-cd]pyrene	16.104	276	16932	3.0352	ng	98
108) Benzo[g,h,i]perylene	16.510	276	17101m	3.7211	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Ke

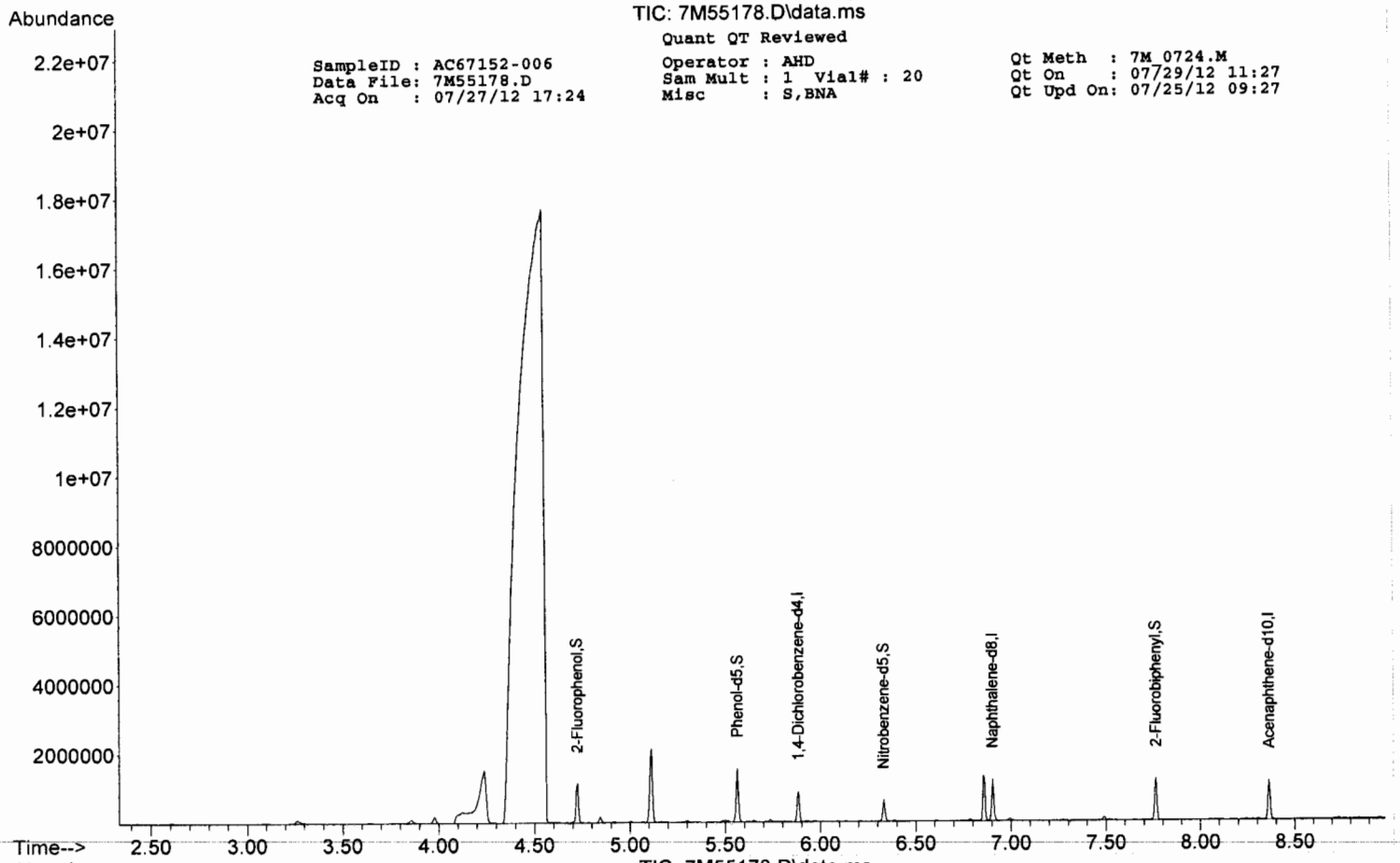
TIC: 7M55178.D\data.ms

Quant QT Reviewed

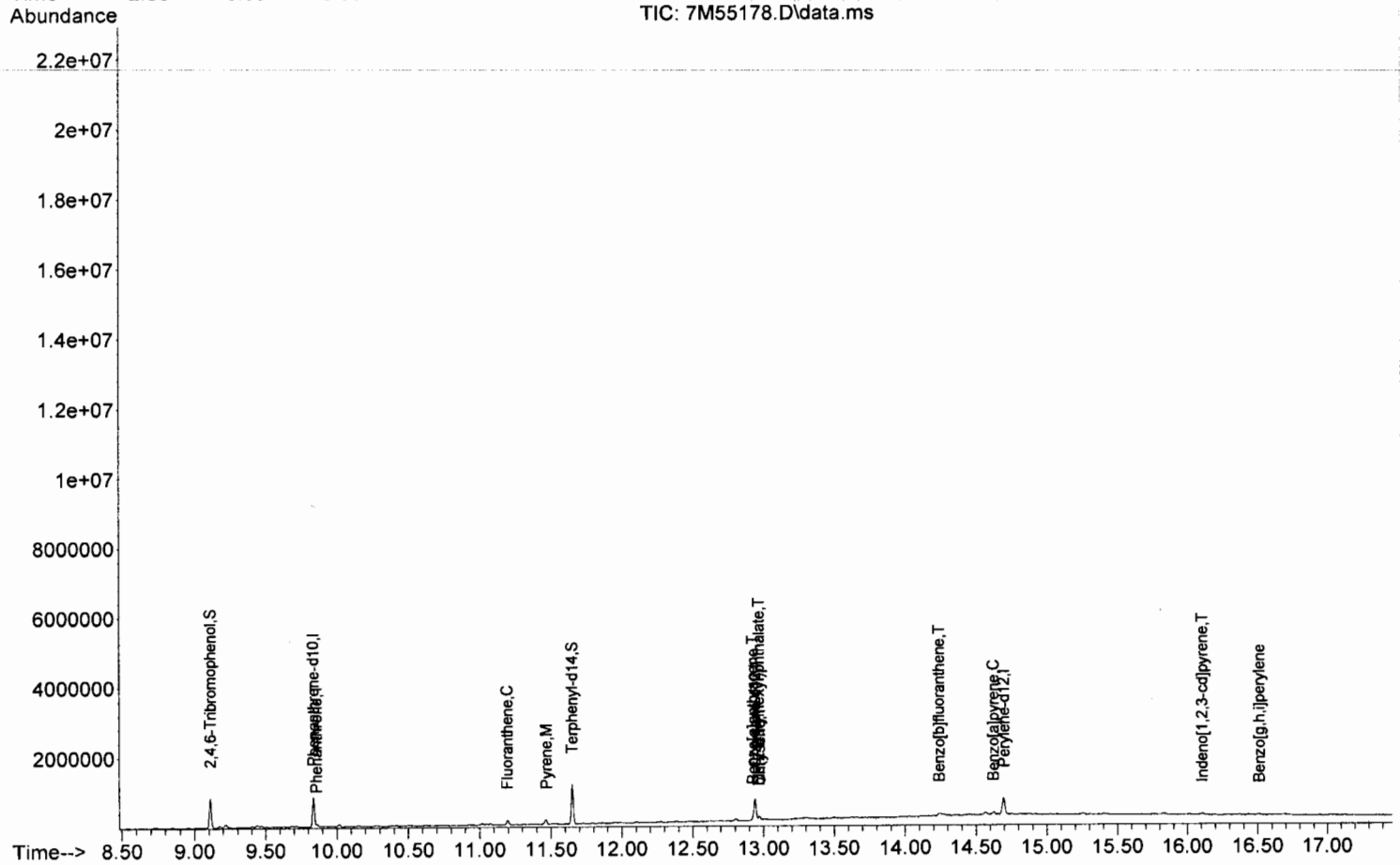
SampleID : AC67152-006
Data File: 7M55178.D
Acq On : 07/27/12 17:24

Operator : AHD
Sam Mult : 1 Vial# : 20
Misc : S,BNA

Qt Meth : 7M_0724.M
Qt On : 07/29/12 11:27
Qt Upd On: 07/25/12 09:27



TIC: 7M55178.D\data.ms



Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC67152-007
Client Id: MW-3 B
Data File: 9M45075.D
Analysis Date: 07/31/12 14:37
Date Rec/Extracted: 07/18/12-07/30/12
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 92

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
122-66-7	1,2-Diphenylhydrazine	0.036	U	207-08-9	Benzo[k]fluoranthene	0.036	U
95-95-4	2,4,5-Trichlorophenol	0.036	U	65-85-0	Benzoic Acid	0.18	U
88-06-2	2,4,6-Trichlorophenol	0.036	U	111-91-1	bis(2-Chloroethoxy)methan	0.036	U
120-83-2	2,4-Dichlorophenol	0.0091	U	111-44-4	bis(2-Chloroethyl)ether	0.0091	U
105-67-9	2,4-Dimethylphenol	0.036	U	108-60-1	bis(2-chloroisopropyl)ether	0.036	U
51-28-5	2,4-Dinitrophenol	0.18	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.036	U
121-14-2	2,4-Dinitrotoluene	0.036	U	85-68-7	Butylbenzylphthalate	0.036	U
606-20-2	2,6-Dinitrotoluene	0.036	U	86-74-8	Carbazole	0.036	U
91-58-7	2-Chloronaphthalene	0.036	U	218-01-9	Chrysene	0.036	U
95-57-8	2-Chlorophenol	0.036	U	53-70-3	Dibenzo[a,h]anthracene	0.036	U
91-57-6	2-Methylnaphthalene	0.036	U	132-64-9	Dibenzofuran	0.0091	U
95-48-7	2-Methylphenol	0.0091	U	84-66-2	Diethylphthalate	0.036	U
88-74-4	2-Nitroaniline	0.036	U	131-11-3	Dimethylphthalate	0.036	U
88-75-5	2-Nitrophenol	0.036	U	84-74-2	Di-n-butylphthalate	0.018	U
106-44-5	3&4-Methylphenol	0.0091	U	117-84-0	Di-n-octylphthalate	0.036	U
91-94-1	3,3'-Dichlorobenzidine	0.036	U	206-44-0	Fluoranthene	0.036	U
99-09-2	3-Nitroaniline	0.036	U	86-73-7	Fluorene	0.036	U
534-52-1	4,6-Dinitro-2-methylphenol	0.18	U	118-74-1	Hexachlorobenzene	0.036	U
101-55-3	4-Bromophenyl-phenylether	0.036	U	87-68-3	Hexachlorobutadiene	0.036	U
59-50-7	4-Chloro-3-methylphenol	0.036	U	77-47-4	Hexachlorocyclopentadiene	0.036	U
106-47-8	4-Chloroaniline	0.017	U	67-72-1	Hexachloroethane	0.036	U
7005-72-3	4-Chlorophenyl-phenylether	0.036	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.036	U
100-01-6	4-Nitroaniline	0.036	U	78-59-1	Isophorone	0.036	U
100-02-7	4-Nitrophenol	0.036	U	91-20-3	Naphthalene	0.0091	U
83-32-9	Acenaphthene	0.036	U	98-95-3	Nitrobenzene	0.036	U
208-96-8	Acenaphthylene	0.036	U	62-75-9	N-Nitrosodimethylamine	0.036	U
62-53-3	Aniline	0.015	U	621-64-7	N-Nitroso-di-n-propylamine	0.0091	U
120-12-7	Anthracene	0.036	U	86-30-6	n-Nitrosodiphenylamine	0.036	U
92-87-5	Benzidine	0.036	U	87-86-5	Pentachlorophenol	0.18	U
56-55-3	Benzo[a]anthracene	0.036	U	85-01-8	Phenanthrene	0.036	U
50-32-8	Benzo[a]pyrene	0.036	U	108-95-2	Phenol	0.036	U
205-99-2	Benzo[b]fluoranthene	0.036	U	129-00-0	Pyrene	0.036	U
191-24-2	Benzo[g,h,i]perylene	0.036	U				

Worksheet #: 235579

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration us

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Quantitation Report (QT Reviewed)

2071832 0155

SampleID : AC67152-007 Operator : AHD Qt Meth : 9M_0717.M
Data File: 9M45075.D Sam Mult : 1 Vial# : 17 Qt On : 07/31/12 15:07
Acq On : 07/31/12 14:37 Misc : S,BNA Qt Upd On: 07/17/12 15:27

Data Path : G:\GcMsData\2012\GCMS_9\Data\07-31-12\
Qt Path : G:\GCMSDATA\2012\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.881	152	94543	40.00 ng	-0.01
30) Naphthalene-d8	6.892	136	342621	40.00 ng	-0.03
48) Acenaphthene-d10	8.331	164	177862	40.00 ng	-0.05
75) Phenanthrene-d10	9.796	188	265446	40.00 ng	-0.04
89) Chrysene-d12	12.845	240	200686	40.00 ng	-0.03
101) Perylene-d12	14.482	264	176765	40.00 ng	-0.04
System Monitoring Compounds					
11) 2-Fluorophenol	4.720	112	230450	62.98 ng	0.03
Spiked Amount 100.000			Recovery = 62.98%		
16) Phenol-d5	5.565	99	332038	62.46 ng	0.00
Spiked Amount 100.000			Recovery = 62.46%		
31) Nitrobenzene-d5	6.325	128	56366	36.71 ng	-0.02
Spiked Amount 50.000			Recovery = 73.42%		
53) 2-Fluorobiphenyl	7.732	172	278268	40.76 ng	-0.05
Spiked Amount 50.000			Recovery = 81.52%		
78) 2,4,6-Tribromophenol	9.069	330	44070	78.62 ng	-0.05
Spiked Amount 100.000			Recovery = 78.62%		
92) Terphenyl-d14	11.599	244	200675	46.24 ng	-0.03
Spiked Amount 50.000			Recovery = 92.48%		

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

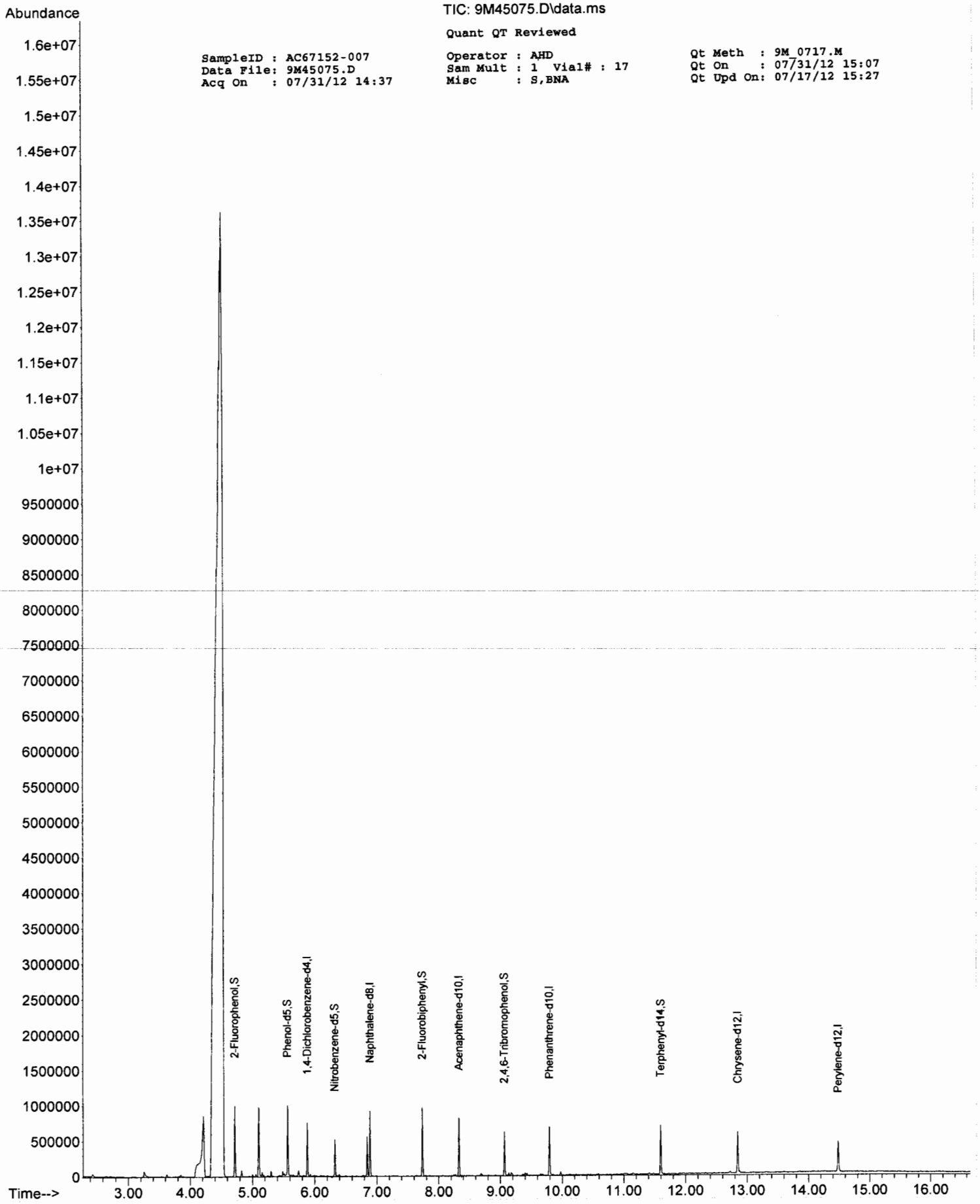
TIC: 9M45075.D\data.ms

Quant QT Reviewed

SampleID : AC67152-007
Data File: 9M45075.D
Acq On : 07/31/12 14:37

Operator : AHD
Sam Mult : 1 Vial# : 17
Misc : S,BNA

Qt Meth : 9M_0717.M
Qt On : 07/31/12 15:07
Qt Upd On: 07/17/12 15:27



Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC67152-008
Client Id: MW-4 B
Data File: 9M45076.D
Analysis Date: 07/31/12 15:00
Date Rec/Extracted: 07/18/12-07/30/12
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 91

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
122-66-7	1,2-Diphenylhydrazine	0.037	U	207-08-9	Benzo[k]fluoranthene	0.037	U
95-95-4	2,4,5-Trichlorophenol	0.037	U	65-85-0	Benzoic Acid	0.18	U
88-06-2	2,4,6-Trichlorophenol	0.037	U	111-91-1	bis(2-Chloroethoxy)methan	0.037	U
120-83-2	2,4-Dichlorophenol	0.0092	U	111-44-4	bis(2-Chloroethyl)ether	0.0092	U
105-67-9	2,4-Dimethylphenol	0.037	U	108-60-1	bis(2-chloroisopropyl)ether	0.037	U
51-28-5	2,4-Dinitrophenol	0.18	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.037	U
121-14-2	2,4-Dinitrotoluene	0.037	U	85-68-7	Butylbenzylphthalate	0.037	U
606-20-2	2,6-Dinitrotoluene	0.037	U	86-74-8	Carbazole	0.037	U
91-58-7	2-Chloronaphthalene	0.037	U	218-01-9	Chrysene	0.037	U
95-57-8	2-Chlorophenol	0.037	U	53-70-3	Dibenzo[a,h]anthracene	0.037	U
91-57-6	2-Methylnaphthalene	0.037	U	132-64-9	Dibenzofuran	0.0092	U
95-48-7	2-Methylphenol	0.0092	U	84-66-2	Diethylphthalate	0.037	U
88-74-4	2-Nitroaniline	0.037	U	131-11-3	Dimethylphthalate	0.037	U
88-75-5	2-Nitrophenol	0.037	U	84-74-2	Di-n-butylphthalate	0.018	U
106-44-5	3&4-Methylphenol	0.0092	U	117-84-0	Di-n-octylphthalate	0.037	U
91-94-1	3,3'-Dichlorobenzidine	0.037	U	206-44-0	Fluoranthene	0.037	U
99-09-2	3-Nitroaniline	0.037	U	86-73-7	Fluorene	0.037	U
534-52-1	4,6-Dinitro-2-methylphenol	0.18	U	118-74-1	Hexachlorobenzene	0.037	U
101-55-3	4-Bromophenyl-phenylether	0.037	U	87-68-3	Hexachlorobutadiene	0.037	U
59-50-7	4-Chloro-3-methylphenol	0.037	U	77-47-4	Hexachlorocyclopentadiene	0.037	U
106-47-8	4-Chloroaniline	0.017	U	67-72-1	Hexachloroethane	0.037	U
7005-72-3	4-Chlorophenyl-phenylether	0.037	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.037	U
100-01-6	4-Nitroaniline	0.037	U	78-59-1	Isophorone	0.037	U
100-02-7	4-Nitrophenol	0.037	U	91-20-3	Naphthalene	0.0092	U
83-32-9	Acenaphthene	0.037	U	98-95-3	Nitrobenzene	0.037	U
208-96-8	Acenaphthylene	0.037	U	62-75-9	N-Nitrosodimethylamine	0.037	U
62-53-3	Aniline	0.015	U	621-64-7	N-Nitroso-di-n-propylamine	0.0092	U
120-12-7	Anthracene	0.037	U	86-30-6	n-Nitrosodiphenylamine	0.037	U
92-87-5	Benzidine	0.037	U	87-86-5	Pentachlorophenol	0.18	U
56-55-3	Benzo[a]anthracene	0.037	U	85-01-8	Phenanthrene	0.037	U
50-32-8	Benzo[a]pyrene	0.037	U	108-95-2	Phenol	0.037	U
205-99-2	Benzo[b]fluoranthene	0.037	U	129-00-0	Pyrene	0.037	U
191-24-2	Benzo[g,h,i]perylene	0.037	U				

Worksheet #: 235579

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration us

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Quantitation Report (QT Reviewed)

2071832 0158

SampleID : AC67152-008 Operator : AHD Qt Meth : 9M_0717.M
Data File: 9M45076.D Sam Mult : 1 Vial# : 18 Qt On : 07/31/12 15:34
Acq On : 07/31/12 15:00 Misc : S,BNA Qt Upd On: 07/17/12 15:27

Data Path : G:\GcMsData\2012\GCMS_9\Data\07-31-12\
Qt Path : G:\GCMSDATA\2012\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.881	152	110234	40.00 ng	-0.01
30) Naphthalene-d8	6.897	136	374985	40.00 ng	-0.03
48) Acenaphthene-d10	8.336	164	191117	40.00 ng	-0.04
75) Phenanthrene-d10	9.802	188	280875	40.00 ng	-0.03
89) Chrysene-d12	12.845	240	217891	40.00 ng	-0.03
101) Perylene-d12	14.482	264	193443	40.00 ng	-0.04
System Monitoring Compounds					
11) 2-Fluorophenol	4.721	112	265680	62.27 ng	0.03
Spiked Amount 100.000			Recovery = 62.27%		
16) Phenol-d5	5.571	99	405046	65.35 ng	0.00
Spiked Amount 100.000			Recovery = 65.35%		
31) Nitrobenzene-d5	6.331	128	63581	37.83 ng	-0.02
Spiked Amount 50.000			Recovery = 75.66%		
53) 2-Fluorobiphenyl	7.743	172	319976	43.62 ng	-0.04
Spiked Amount 50.000			Recovery = 87.24%		
78) 2,4,6-Tribromophenol	9.074	330	51603	86.62 ng	-0.04
Spiked Amount 100.000			Recovery = 86.62%		
92) Terphenyl-d14	11.599	244	234010	49.66 ng	-0.03
Spiked Amount 50.000			Recovery = 99.32%		

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

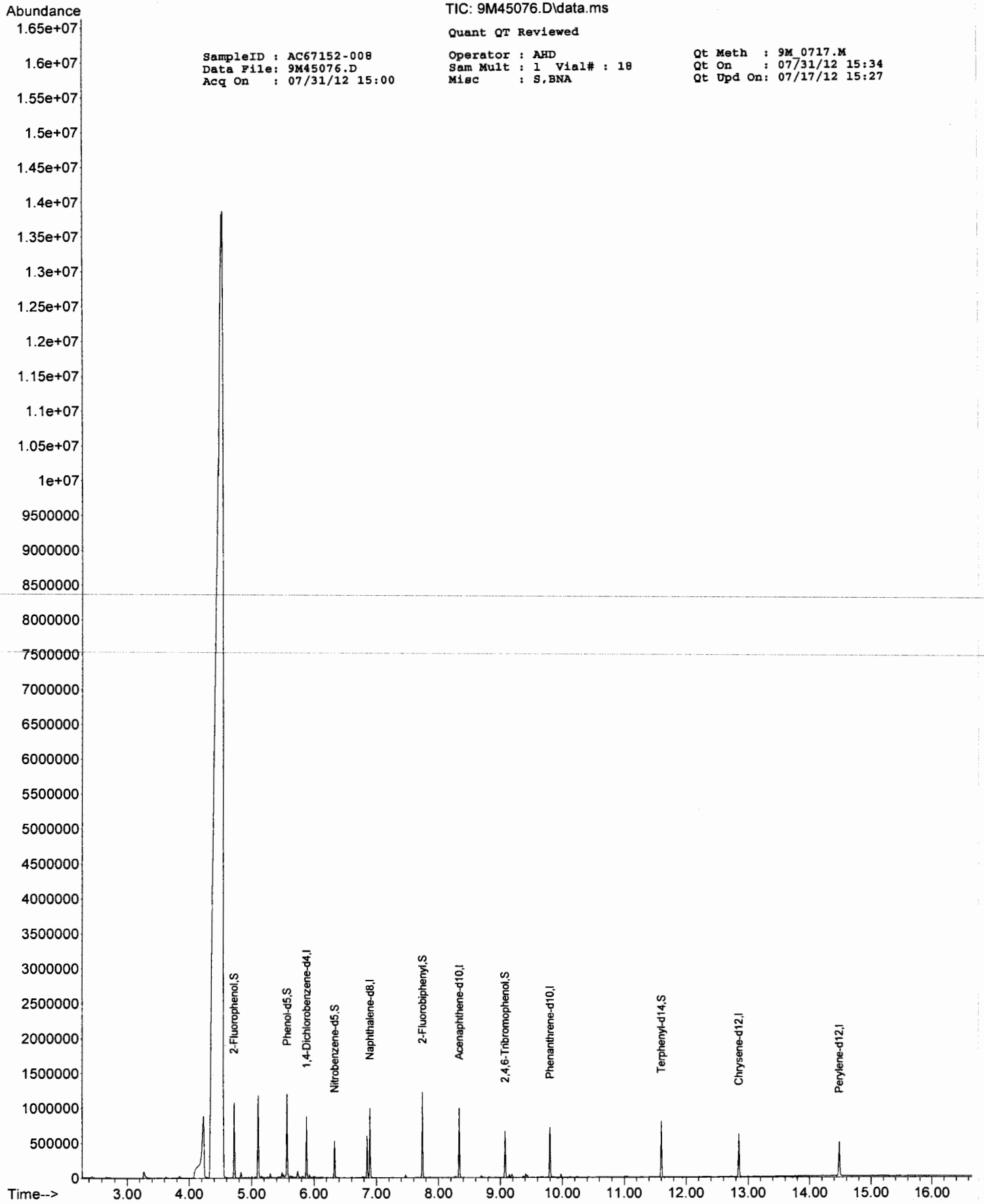
TIC: 9M45076.D\data.ms

Quant QT Reviewed

SampleID : AC67152-008
Data File: 9M45076.D
Acq On : 07/31/12 15:00

Operator : AHD
Sam Mult : 1 Vial# : 18
Misc : S,BNA

Qt Meth : 9M_0717.M
Qt On : 07/31/12 15:34
Qt Upd On: 07/17/12 15:27



Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC67152-009
Client Id: MW-4A (DUP)
Data File: 9M45077.D
Analysis Date: 07/31/12 15:23
Date Rec/Extracted: 07/18/12-07/30/12
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 91

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
122-66-7	1,2-Diphenylhydrazine	0.037	U	207-08-9	Benzo[k]fluoranthene	0.037	U
95-95-4	2,4,5-Trichlorophenol	0.037	U	65-85-0	Benzoic Acid	0.18	U
88-06-2	2,4,6-Trichlorophenol	0.037	U	111-91-1	bis(2-Chloroethoxy)methan	0.037	U
120-83-2	2,4-Dichlorophenol	0.0092	U	111-44-4	bis(2-Chloroethyl)ether	0.0092	U
105-67-9	2,4-Dimethylphenol	0.037	U	108-60-1	bis(2-chloroisopropyl)ether	0.037	U
51-28-5	2,4-Dinitrophenol	0.18	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.037	U
121-14-2	2,4-Dinitrotoluene	0.037	U	85-68-7	Butylbenzylphthalate	0.037	U
606-20-2	2,6-Dinitrotoluene	0.037	U	86-74-8	Carbazole	0.037	U
91-58-7	2-Chloronaphthalene	0.037	U	218-01-9	Chrysene	0.037	U
95-57-8	2-Chlorophenol	0.037	U	53-70-3	Dibenzo[a,h]anthracene	0.037	U
91-57-6	2-Methylnaphthalene	0.037	U	132-64-9	Dibenzofuran	0.0092	U
95-48-7	2-Methylphenol	0.0092	U	84-66-2	Diethylphthalate	0.037	U
88-74-4	2-Nitroaniline	0.037	U	131-11-3	Dimethylphthalate	0.037	U
88-75-5	2-Nitrophenol	0.037	U	84-74-2	Di-n-butylphthalate	0.018	U
106-44-5	3&4-Methylphenol	0.0092	U	117-84-0	Di-n-octylphthalate	0.037	U
91-94-1	3,3'-Dichlorobenzidine	0.037	U	206-44-0	Fluoranthene	0.037	U
99-09-2	3-Nitroaniline	0.037	U	86-73-7	Fluorene	0.037	U
534-52-1	4,6-Dinitro-2-methylphenol	0.18	U	118-74-1	Hexachlorobenzene	0.037	U
101-55-3	4-Bromophenyl-phenylether	0.037	U	87-68-3	Hexachlorobutadiene	0.037	U
59-50-7	4-Chloro-3-methylphenol	0.037	U	77-47-4	Hexachlorocyclopentadiene	0.037	U
106-47-8	4-Chloroaniline	0.017	U	67-72-1	Hexachloroethane	0.037	U
7005-72-3	4-Chlorophenyl-phenylether	0.037	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.037	U
100-01-6	4-Nitroaniline	0.037	U	78-59-1	Isophorone	0.037	U
100-02-7	4-Nitrophenol	0.037	U	91-20-3	Naphthalene	0.0092	U
83-32-9	Acenaphthene	0.037	U	98-95-3	Nitrobenzene	0.037	U
208-96-8	Acenaphthylene	0.037	U	62-75-9	N-Nitrosodimethylamine	0.037	U
62-53-3	Aniline	0.015	U	621-64-7	N-Nitroso-di-n-propylamine	0.0092	U
120-12-7	Anthracene	0.037	U	86-30-6	n-Nitrosodiphenylamine	0.037	U
92-87-5	Benzidine	0.037	U	87-86-5	Pentachlorophenol	0.18	U
56-55-3	Benzo[a]anthracene	0.037	U	85-01-8	Phenanthrene	0.037	U
50-32-8	Benzo[a]pyrene	0.037	U	108-95-2	Phenol	0.037	U
205-99-2	Benzo[b]fluoranthene	0.037	U	129-00-0	Pyrene	0.037	U
191-24-2	Benzo[g,h,i]perylene	0.037	U				

Worksheet #: 235579

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration us

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Quantitation Report (QT Reviewed)

2071832 0161

SampleID : AC67152-009 Operator : AHD Qt Meth : 9M_0717.M
Data File: 9M45077.D Sam Mult : 1 Vial# : 19 Qt On : 07/31/12 16:41
Acq On : 07/31/12 15:23 Misc : S,BNA Qt Upd On: 07/17/12 15:27

Data Path : G:\GcMsData\2012\GCMS_9\Data\07-31-12\
Qt Path : G:\GCMSDATA\2012\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.881	152	115828	40.00 ng	-0.01
30) Naphthalene-d8	6.897	136	424044	40.00 ng	-0.03
48) Acenaphthene-d10	8.341	164	216538	40.00 ng	-0.04
75) Phenanthrene-d10	9.802	188	317677	40.00 ng	-0.03
89) Chrysene-d12	12.845	240	263472	40.00 ng	-0.03
101) Perylene-d12	14.476	264	225442	40.00 ng	-0.05
System Monitoring Compounds					
11) 2-Fluorophenol	4.731	112	326122	72.75 ng	0.04
Spiked Amount 100.000			Recovery = 72.75%		
16) Phenol-d5	5.571	99	466099	71.57 ng	0.00
Spiked Amount 100.000			Recovery = 71.57%		
31) Nitrobenzene-d5	6.330	128	76233	40.11 ng	-0.02
Spiked Amount 50.000			Recovery = 80.22%		
53) 2-Fluorobiphenyl	7.748	172	377622	45.44 ng	-0.03
Spiked Amount 50.000			Recovery = 90.88%		
78) 2,4,6-Tribromophenol	9.080	330	58687	87.08 ng	-0.04
Spiked Amount 100.000			Recovery = 87.08%		
92) Terphenyl-d14	11.604	244	285030	50.02 ng	-0.02
Spiked Amount 50.000			Recovery = 100.04%		

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

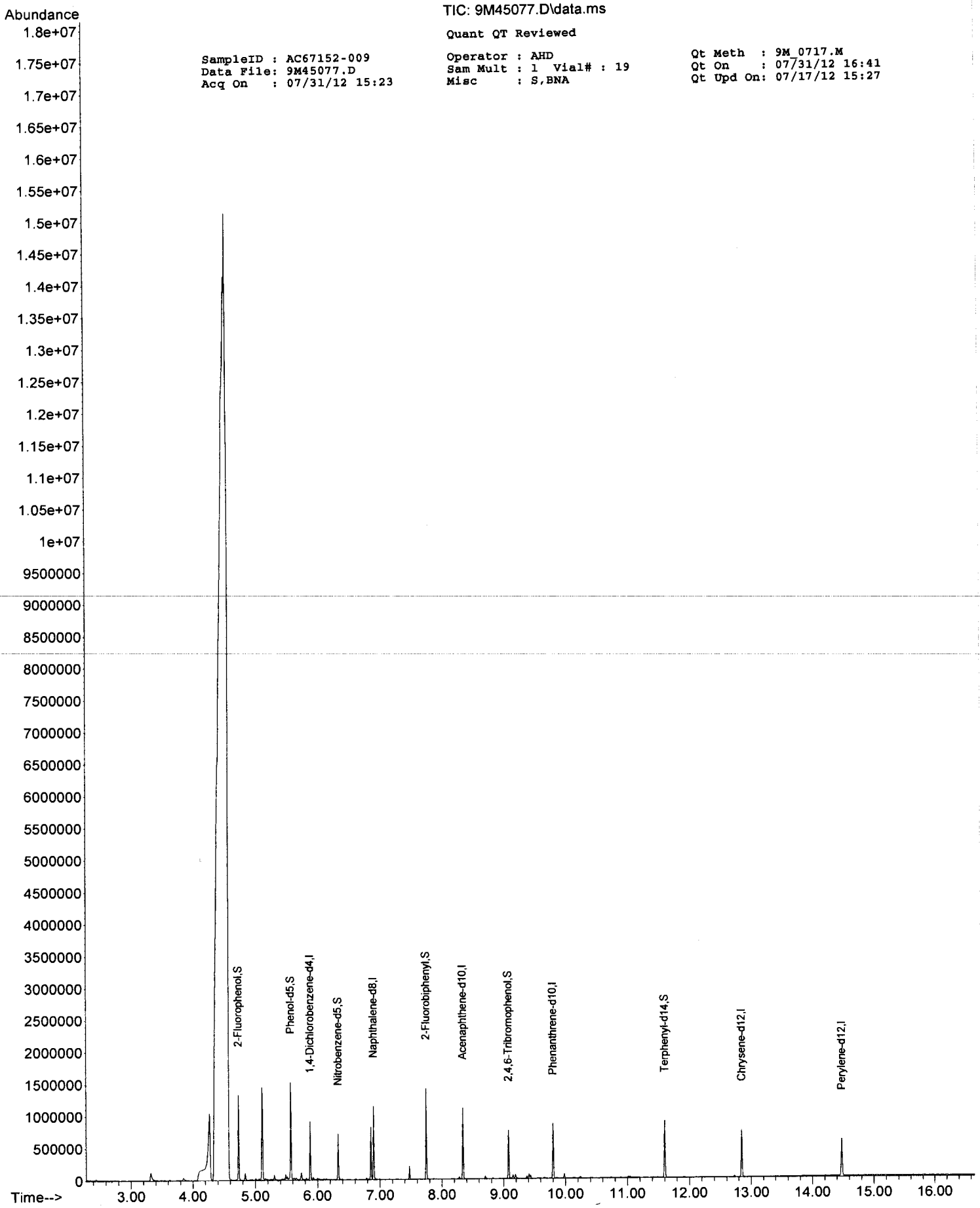
TIC: 9M45077.D\data.ms

Quant QT Reviewed

SampleID : AC67152-009
Data File: 9M45077.D
Acq On : 07/31/12 15:23

Operator : AHD
Sam Mult : 1 Vial# : 19
Misc : S,BNA

Qt Meth : 9M_0717.M
Qt On : 07/31/12 16:41
Qt Upd On: 07/17/12 15:27



Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: SMB14940
Client Id:
Data File: 7M55160.D
Analysis Date: 07/27/12 09:59
Date Rec/Extracted: NA-07/26/12
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
122-66-7	1,2-Diphenylhydrazine	0.033	U	207-08-9	Benzo[k]fluoranthene	0.033	U
95-95-4	2,4,5-Trichlorophenol	0.033	U	65-85-0	Benzoic Acid	0.17	U
88-06-2	2,4,6-Trichlorophenol	0.033	U	111-91-1	bis(2-Chloroethoxy)methan	0.033	U
120-83-2	2,4-Dichlorophenol	0.0083	U	111-44-4	bis(2-Chloroethyl)ether	0.0083	U
105-67-9	2,4-Dimethylphenol	0.033	U	108-60-1	bis(2-chloroisopropyl)ether	0.033	U
51-28-5	2,4-Dinitrophenol	0.17	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.033	U
121-14-2	2,4-Dinitrotoluene	0.033	U	85-68-7	Butylbenzylphthalate	0.033	U
606-20-2	2,6-Dinitrotoluene	0.033	U	86-74-8	Carbazole	0.033	U
91-58-7	2-Chloronaphthalene	0.033	U	218-01-9	Chrysene	0.033	U
95-57-8	2-Chlorophenol	0.033	U	53-70-3	Dibenzo[a,h]anthracene	0.033	U
91-57-6	2-Methylnaphthalene	0.033	U	132-64-9	Dibenzofuran	0.0083	U
95-48-7	2-Methylphenol	0.0083	U	84-66-2	Diethylphthalate	0.033	U
88-74-4	2-Nitroaniline	0.033	U	131-11-3	Dimethylphthalate	0.033	U
88-75-5	2-Nitrophenol	0.033	U	84-74-2	Di-n-butylphthalate	0.017	U
106-44-5	3&4-Methylphenol	0.0083	U	117-84-0	Di-n-octylphthalate	0.033	U
91-94-1	3,3'-Dichlorobenzidine	0.033	U	206-44-0	Fluoranthene	0.033	U
99-09-2	3-Nitroaniline	0.033	U	86-73-7	Fluorene	0.033	U
534-52-1	4,6-Dinitro-2-methylphenol	0.17	U	118-74-1	Hexachlorobenzene	0.033	U
101-55-3	4-Bromophenyl-phenylether	0.033	U	87-68-3	Hexachlorobutadiene	0.033	U
59-50-7	4-Chloro-3-methylphenol	0.033	U	77-47-4	Hexachlorocyclopentadiene	0.033	U
106-47-8	4-Chloroaniline	0.016	U	67-72-1	Hexachloroethane	0.033	U
7005-72-3	4-Chlorophenyl-phenylether	0.033	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.033	U
100-01-6	4-Nitroaniline	0.033	U	78-59-1	Isophorone	0.033	U
100-02-7	4-Nitrophenol	0.033	U	91-20-3	Naphthalene	0.0083	U
83-32-9	Acenaphthene	0.033	U	98-95-3	Nitrobenzene	0.033	U
208-96-8	Acenaphthylene	0.033	U	62-75-9	N-Nitrosodimethylamine	0.033	U
62-53-3	Aniline	0.014	U	621-64-7	N-Nitroso-di-n-propylamine	0.0083	U
120-12-7	Anthracene	0.033	U	86-30-6	n-Nitrosodiphenylamine	0.033	U
92-87-5	Benzidine	0.033	U	87-86-5	Pentachlorophenol	0.056	U
56-55-3	Benzo[a]anthracene	0.033	U	85-01-8	Phenanthrene	0.033	U
50-32-8	Benzo[a]pyrene	0.033	U	108-95-2	Phenol	0.033	U
205-99-2	Benzo[b]fluoranthene	0.033	U	129-00-0	Pyrene	0.033	U
191-24-2	Benzo[g,h,i]perylene	0.033	U				

Worksheet #: 235579 ***Total Target Concentration*** 0 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration use

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Quantitation Report (QT/LSC Reviewed)

2071832 0164

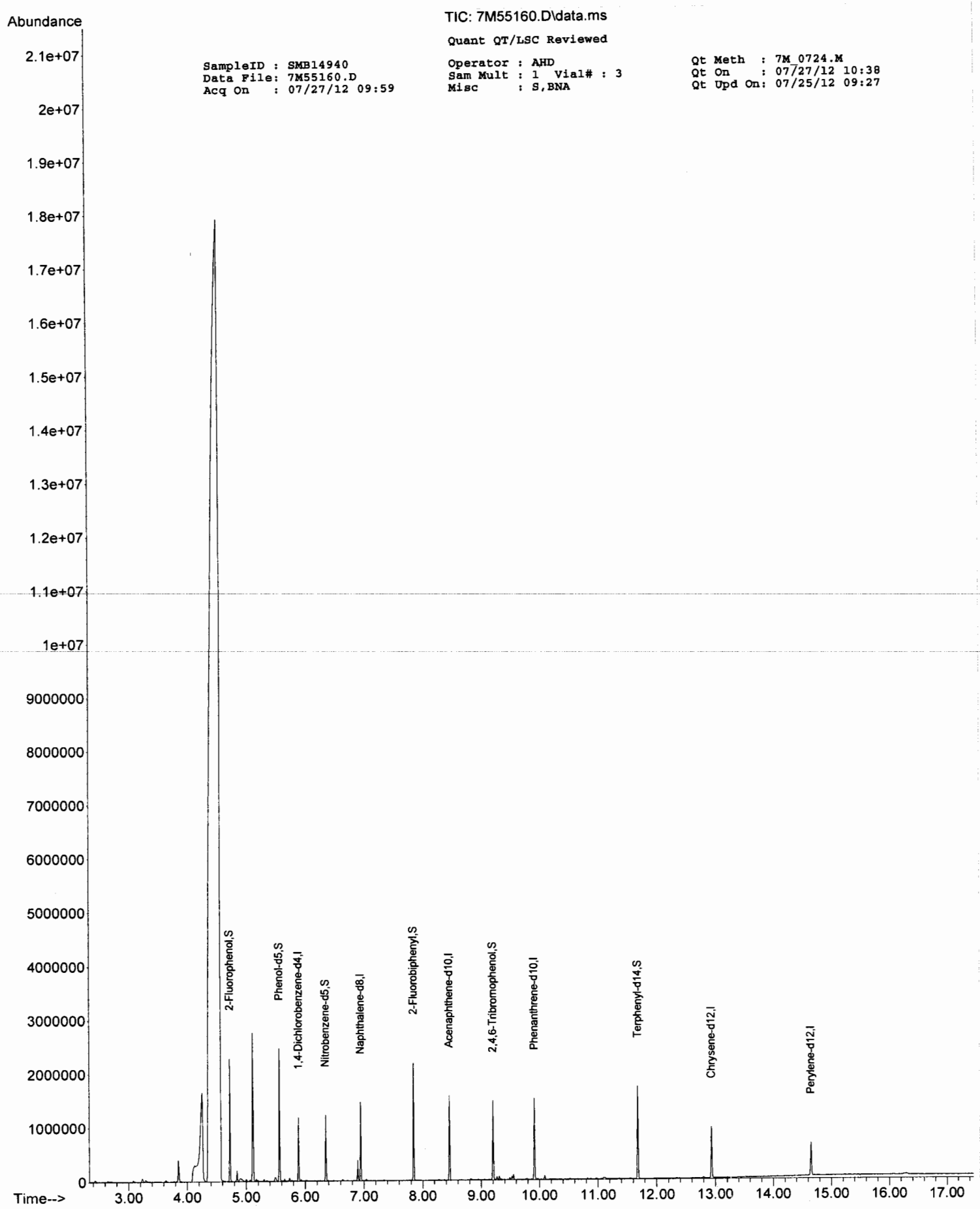
SampleID : SMB14940 Operator : AHD Qt Meth : 7M_0724.M
Data File: 7M55160.D Sam Mult : 1 Vial# : 3 Qt On : 07/27/12 10:38
Acq On : 07/27/12 09:59 Misc : S,BNA Qt Upd On: 07/25/12 09:27

Data Path : G:\GcMsData\2012\GCMS_7\Data\07-27-12\
Qt Path : G:\GCMSDATA\2012\GCMS_7\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.890	152	152849	40.00	ng	0.00
30) Naphthalene-d8	6.942	136	561525	40.00	ng	0.00
48) Acenaphthene-d10	8.454	164	317276	40.00	ng	0.03
75) Phenanthrene-d10	9.913	188	525655	40.00	ng	0.03
89) Chrysene-d12	12.931	240	341610	40.00	ng	-0.05
101) Perylene-d12	14.646	264	240691	40.00	ng	-0.13
System Monitoring Compounds						
11) 2-Fluorophenol	4.725	112	568575	90.00	ng	0.05
Spiked Amount 100.000			Recovery = 90.00%			
16) Phenol-d5	5.564	99	799357	91.56	ng	0.01
Spiked Amount 100.000			Recovery = 91.56%			
31) Nitrobenzene-d5	6.349	128	143026	50.45	ng	0.00
Spiked Amount 50.000			Recovery = 100.90%			
53) 2-Fluorobiphenyl	7.845	172	614063	52.56	ng	0.02
Spiked Amount 50.000			Recovery = 105.12%			
78) 2,4,6-Tribromophenol	9.202	330	94783	115.90	ng	0.03
Spiked Amount 100.000			Recovery = 115.90%			
92) Terphenyl-d14	11.681	244	483825	63.32	ng	0.00
Spiked Amount 50.000			Recovery = 126.64%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 7M55160.D\data.ms
Quant QT/LSC Reviewed
SampleID : SMB14940
Data File: 7M55160.D
Acq On : 07/27/12 09:59
Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : S,BNA
Qt Meth : 7M_0724.M
Qt On : 07/27/12 10:38
Qt Upd On: 07/25/12 09:27
2.1e+07
2e+07
1.9e+07
1.8e+07
1.7e+07
1.6e+07
1.5e+07
1.4e+07
1.3e+07
1.2e+07
1.1e+07
1e+07
9000000
8000000
7000000
6000000
5000000
4000000
3000000
2000000
1000000
0
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->
3.00
4.00
5.00
6.00
7.00
8.00
9.00
10.00
11.00
12.00
13.00
14.00
15.00
16.00
17.00

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: SMB14963
Client Id:
Data File: 9M45062.D
Analysis Date: 07/31/12 09:39
Date Rec/Extracted: NA-07/30/12
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
122-66-7	1,2-Diphenylhydrazine	0.033	U	207-08-9	Benzo[k]fluoranthene	0.033	U
95-95-4	2,4,5-Trichlorophenol	0.033	U	65-85-0	Benzoic Acid	0.17	U
88-06-2	2,4,6-Trichlorophenol	0.033	U	111-91-1	bis(2-Chloroethoxy)methan	0.033	U
120-83-2	2,4-Dichlorophenol	0.0083	U	111-44-4	bis(2-Chloroethyl)ether	0.0083	U
105-67-9	2,4-Dimethylphenol	0.033	U	108-60-1	bis(2-chloroisopropyl)ether	0.033	U
51-28-5	2,4-Dinitrophenol	0.17	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.033	U
121-14-2	2,4-Dinitrotoluene	0.033	U	85-68-7	Butylbenzylphthalate	0.033	U
606-20-2	2,6-Dinitrotoluene	0.033	U	86-74-8	Carbazole	0.033	U
91-58-7	2-Chloronaphthalene	0.033	U	218-01-9	Chrysene	0.033	U
95-57-8	2-Chlorophenol	0.033	U	53-70-3	Dibenzo[a,h]anthracene	0.033	U
91-57-6	2-Methylnaphthalene	0.033	U	132-64-9	Dibenzofuran	0.0083	U
95-48-7	2-Methylphenol	0.0083	U	84-66-2	Diethylphthalate	0.033	U
88-74-4	2-Nitroaniline	0.033	U	131-11-3	Dimethylphthalate	0.033	U
88-75-5	2-Nitrophenol	0.033	U	84-74-2	Di-n-butylphthalate	0.017	U
106-44-5	3&4-Methylphenol	0.0083	U	117-84-0	Di-n-octylphthalate	0.033	U
91-94-1	3,3'-Dichlorobenzidine	0.033	U	206-44-0	Fluoranthene	0.033	U
99-09-2	3-Nitroaniline	0.033	U	86-73-7	Fluorene	0.033	U
534-52-1	4,6-Dinitro-2-methylphenol	0.17	U	118-74-1	Hexachlorobenzene	0.033	U
101-55-3	4-Bromophenyl-phenylether	0.033	U	87-68-3	Hexachlorobutadiene	0.033	U
59-50-7	4-Chloro-3-methylphenol	0.033	U	77-47-4	Hexachlorocyclopentadiene	0.033	U
106-47-8	4-Chloroaniline	0.016	U	67-72-1	Hexachloroethane	0.033	U
7005-72-3	4-Chlorophenyl-phenylether	0.033	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.033	U
100-01-6	4-Nitroaniline	0.033	U	78-59-1	Isophorone	0.033	U
100-02-7	4-Nitrophenol	0.033	U	91-20-3	Naphthalene	0.0083	U
83-32-9	Acenaphthene	0.033	U	98-95-3	Nitrobenzene	0.033	U
208-96-8	Acenaphthylene	0.033	U	62-75-9	N-Nitrosodimethylamine	0.033	U
62-53-3	Aniline	0.014	U	621-64-7	N-Nitroso-di-n-propylamine	0.0083	U
120-12-7	Anthracene	0.033	U	86-30-6	n-Nitrosodiphenylamine	0.033	U
92-87-5	Benzidine	0.033	U	87-86-5	Pentachlorophenol	0.17	U
56-55-3	Benzo[a]anthracene	0.033	U	85-01-8	Phenanthrene	0.033	U
50-32-8	Benzo[a]pyrene	0.033	U	108-95-2	Phenol	0.033	U
205-99-2	Benzo[b]fluoranthene	0.033	U	129-00-0	Pyrene	0.033	U
191-24-2	Benzo[g,h,i]perylene	0.033	U				

Worksheet #: 235579 ***Total Target Concentration*** 0 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration use

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Quantitation Report (QT/LSC Reviewed)

2071832 0167

SampleID : SMB14963 Operator : AHD Qt Meth : 9M_0717.M
Data File: 9M45062.D Sam Mult : 1 Vial# : 4 Qt On : 07/31/12 10:18
Acq On : 07/31/12 09:39 Misc : S,BNA Qt Upd On: 07/17/12 15:27

Data Path : G:\GcMsData\2012\GCMS_9\Data\07-31-12\
Qt Path : G:\GCMSDATA\2012\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.881	152	121030	40.00	ng	-0.01
30) Naphthalene-d8	6.887	136	428328	40.00	ng	-0.04
48) Acenaphthene-d10	8.320	164	249857	40.00	ng	-0.06
75) Phenanthrene-d10	9.791	188	381274	40.00	ng	-0.04
89) Chrysene-d12	12.845	240	322057	40.00	ng	-0.03
101) Perylene-d12	14.487	264	234194	40.00	ng	-0.04
System Monitoring Compounds						
11) 2-Fluorophenol	4.742	112	337428	72.03	ng	0.05
Spiked Amount 100.000			Recovery = 72.03%			
16) Phenol-d5	5.571	99	492013	72.30	ng	0.00
Spiked Amount 100.000			Recovery = 72.30%			
31) Nitrobenzene-d5	6.330	128	84101	43.81	ng	-0.02
Spiked Amount 50.000			Recovery = 87.62%			
53) 2-Fluorobiphenyl	7.732	172	424161	44.23	ng	-0.05
Spiked Amount 50.000			Recovery = 88.46%			
78) 2,4,6-Tribromophenol	9.063	330	70102	86.69	ng	-0.06
Spiked Amount 100.000			Recovery = 86.69%			
92) Terphenyl-d14	11.599	244	344570	49.47	ng	-0.03
Spiked Amount 50.000			Recovery = 98.94%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ka

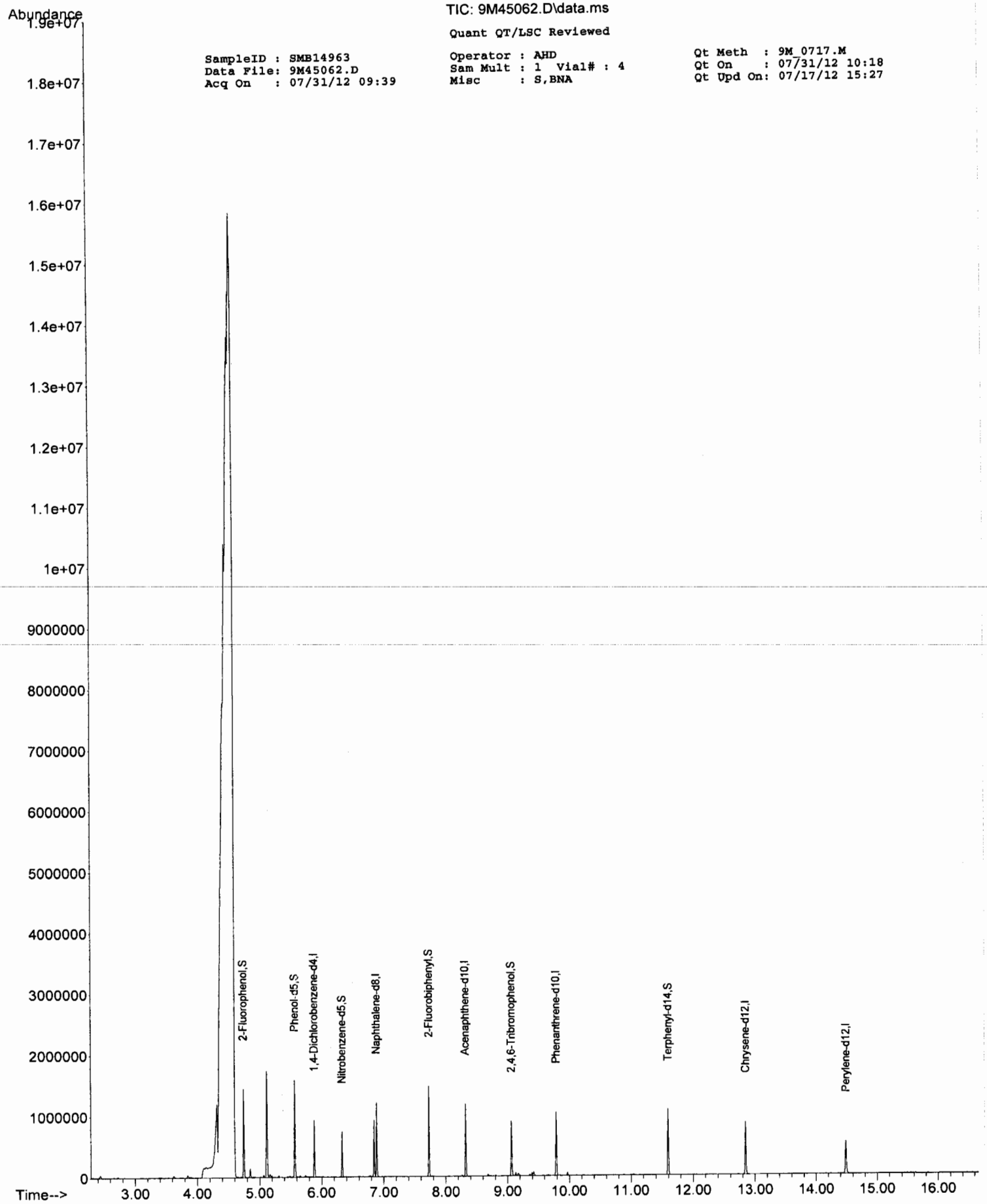
TIC: 9M45062.D\data.ms

Quant QT/LSC Reviewed

SampleID : SMB14963
Data File: 9M45062.D
Acq On : 07/31/12 09:39

Operator : AHD
Sam Mult : 1 Vial# : 4
Misc : S,BNA

Qt Meth : 9M_0717.M
Qt On : 07/31/12 10:18
Qt Upd On: 07/17/12 15:27



FORM2

Surrogate Recovery

Method: EPA 8270C

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column1 S5 Recov	Column1 S6 Recov
7M55160.D	SMB14940	Soil	07/27/12 09:59	1		90	92	101	105	116	127
7M55198.D	SMB14952	Soil	07/30/12 12:37	1		70	72	80	84	92	99
9M45062.D	SMB14963	Soil	07/31/12 09:39	1		72	72	88	88	87	99
7M55176.D	AC67152-001	Soil	07/27/12 16:35	1		62	79	71	88	143	149*
7M55174.D	AC67152-002(	Soil	07/27/12 15:43	6		78	97	81	106	129	135
9M45073.D	AC67152-003	Soil	07/31/12 13:51	1		65	70	72	81	84	87
9M45074.D	AC67152-004	Soil	07/31/12 14:14	1		63	64	76	80	78	92
7M55177.D	AC67152-005	Soil	07/27/12 16:59	1		78	93	79	98	141	144
7M55178.D	AC67152-006	Soil	07/27/12 17:24	1		58	71	65	80	111	132
9M45075.D	AC67152-007	Soil	07/31/12 14:37	1		63	62	73	82	79	92
9M45076.D	AC67152-008	Soil	07/31/12 15:00	1		62	65	76	87	87	99
9M45077.D	AC67152-009	Soil	07/31/12 15:23	1		73	72	80	91	87	100
7M55199.D	SMB14952(M	Soil	07/30/12 13:01	1		76	77	86	87	100	97
7M55207.D	AC67311-001	Soil	07/31/12 10:08	1		64	63	73	77	83	93
7M55208.D	AC67311-001(	Soil	07/31/12 10:32	1		65	66	75	76	85	92
7M55209.D	AC67311-001(	Soil	07/31/12 10:56	1		62	61	70	74	76	85
9M45017.D	SMB14940(M	Soil	07/27/12 11:26	1		92	93	109	113	132	128
9M45018.D	AC67229-001	Soil	07/27/12 11:49	1		103	103	108	125	138	155*
9M45019.D	AC67229-001(	Soil	07/27/12 12:12	1		103	102	121	122	141	156*
9M45020.D	AC67229-001(	Soil	07/27/12 12:35	1		93	98	109	118	134	148
9M45063.D	SMB14963(M	Soil	07/31/12 10:02	1		81	79	92	91	99	110

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: EPA 8270C

Soil Limits

Compound	Spike Amt	Limits
S1=2-Fluorophenol	100	43-128
S2=Phenol-d5	100	49-129
S3=Nitrobenzene-d5	50	52-129
S4=2-Fluorobiphenyl	50	58-125
S5=2,4,6-Tribromophenol	100	54-145
S6=Terphenyl-d14	50	58-148

Form3
Recovery Data
QC Batch: SMB14952

	Data File	Sample ID:	Analysis Date
Spike or Dup:	7M55199.D	SMB14952(MS)	7/30/2012 1:01:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8270 Matrix: Soil QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Phenol	1	76.4342	0	100	76	20	130
2-Chlorophenol	1	81.503	0	100	82	50	130
1,4-Dichlorobenzene	1	38.7306	0	50	77	50	130
2-Methylphenol	1	79.1497	0	100	79	50	130
N-Nitroso-di-n-propylamine	1	40.2219	0	50	80	20	130
2,4-Dimethylphenol	1	93.0001	0	100	93	50	130
1,2,4-Trichlorobenzene	1	41.1174	0	50	82	50	130
Naphthalene	1	41.3151	0	50	83	50	130
4-Chloro-3-methylphenol	1	91.0188	0	100	91	50	130
Acenaphthene	1	44.8504	0	50	90	50	130
2,4-Dinitrotoluene	1	42.4591	0	50	85	50	130
4-Nitrophenol	1	86.9065	0	100	87	20	130
Fluorene	1	44.1141	0	50	88	50	130
Pentachlorophenol	1	85.1842	0	100	85	40	130
Pyrene	1	49.0587	0	50	98	50	130
Butylbenzylphthalate	1	43.2905	0	50	87	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: SMB14963

	Data File	Sample ID:	Analysis Date
Spike or Dup:	9M45063.D	SMB14963(MS)	7/31/2012 10:02:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8270 Matrix: Soil QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Phenol	1	74.5017	0	100	75	20	130
2-Chlorophenol	1	81.8419	0	100	82	50	130
1,4-Dichlorobenzene	1	39.0717	0	50	78	50	130
2-Methylphenol	1	82.077	0	100	82	50	130
N-Nitroso-di-n-propylamine	1	38.9233	0	50	78	20	130
2,4-Dimethylphenol	1	90.3085	0	100	90	50	130
1,2,4-Trichlorobenzene	1	41.1313	0	50	82	50	130
Naphthalene	1	41.2264	0	50	82	50	130
4-Chloro-3-methylphenol	1	80.441	0	100	80	50	130
Acenaphthene	1	43.0296	0	50	86	50	130
2,4-Dinitrotoluene	1	36.1925	0	50	72	50	130
4-Nitrophenol	1	64.374	0	100	64	20	130
Fluorene	1	43.8315	0	50	88	50	130
Pentachlorophenol	1	63.8769	0	100	64	40	130
Pyrene	1	48.4114	0	50	97	50	130
Butylbenzylphthalate	1	43.4306	0	50	87	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: SMB14952

	Data File	Sample ID:	Analysis Date
Spike or Dup:	7M55208.D	AC67311-001(MS)	7/31/2012 10:32:00 AM
Non Spike(If applicable):	7M55207.D	AC67311-001	7/31/2012 10:08:00 AM
Inst Blank(If applicable):			

Method: 8270 Matrix: Soil QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Phenol	1	69.7156	0	100	70	20	130
2-Chlorophenol	1	74.7876	0	100	75	50	130
1,4-Dichlorobenzene	1	35.0463	0	50	70	50	130
2-Methylphenol	1	71.7992	0	100	72	50	130
N-Nitroso-di-n-propylamine	1	35.6794	0	50	71	20	130
2,4-Dimethylphenol	1	85.7332	0	100	86	50	130
1,2,4-Trichlorobenzene	1	38.7618	0	50	78	50	130
Naphthalene	1	38.8514	0	50	78	50	130
4-Chloro-3-methylphenol	1	83.2447	0	100	83	50	130
Acenaphthene	1	40.3861	0	50	81	50	130
2,4-Dinitrotoluene	1	38.2346	0	50	76	50	130
4-Nitrophenol	1	74.0324	0	100	74	20	130
Fluorene	1	39.4091	0	50	79	50	130
Pentachlorophenol	1	51.4264	0	100	51	40	130
Pyrene	1	50.0085	0	50	100	50	130
Butylbenzylphthalate	1	46.773	0	50	94	50	130

	Data File	Sample ID:	Analysis Date
Spike or Dup:	7M55209.D	AC67311-001(MSD)	7/31/2012 10:56:00 AM
Non Spike(If applicable):	7M55207.D	AC67311-001	7/31/2012 10:08:00 AM
Inst Blank(If applicable):			

Method: 8270 Matrix: Soil QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Phenol	1	65.8455	0	100	66	20	130
2-Chlorophenol	1	71.0016	0	100	71	50	130
1,4-Dichlorobenzene	1	33.7774	0	50	68	50	130
2-Methylphenol	1	69.4994	0	100	69	50	130
N-Nitroso-di-n-propylamine	1	35.608	0	50	71	20	130
2,4-Dimethylphenol	1	83.2942	0	100	83	50	130
1,2,4-Trichlorobenzene	1	36.2815	0	50	73	50	130
Naphthalene	1	37.0342	0	50	74	50	130
4-Chloro-3-methylphenol	1	79.8011	0	100	80	50	130
Acenaphthene	1	39.0094	0	50	78	50	130
2,4-Dinitrotoluene	1	37.319	0	50	75	50	130
4-Nitrophenol	1	74.5345	0	100	75	20	130
Fluorene	1	38.3073	0	50	77	50	130
Pentachlorophenol	1	51.8504	0	100	52	40	130
Pyrene	1	46.3951	0	50	93	50	130
Butylbenzylphthalate	1	44.4046	0	50	89	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
RPD DATA

QC Batch: SMB14952

	Data File	Sample ID:	Analysis Date
Spike or Dup:	7M55209.D	AC67311-001(MSD)	7/31/2012 10:56:00 AM
Duplicate(If applicable):	7M55208.D	AC67311-001(MS)	7/31/2012 10:32:00 AM
Inst Blank(If applicable):			

Method: 8270 Matrix: Soil QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Phenol	1	65.8455	69.7156	5.7	40
2-Chlorophenol	1	71.0016	74.7876	5.2	40
1,4-Dichlorobenzene	1	33.7774	35.0463	3.7	40
2-Methylphenol	1	69.4994	71.7992	3.3	40
N-Nitroso-di-n-propylamine	1	35.608	35.6794	0.2	40
2,4-Dimethylphenol	1	83.2942	85.7332	2.9	40
1,2,4-Trichlorobenzene	1	36.2815	38.7618	6.6	40
Naphthalene	1	37.0342	38.8514	4.8	40
4-Chloro-3-methylphenol	1	79.8011	83.2447	4.2	40
Acenaphthene	1	39.0094	40.3861	3.5	40
2,4-Dinitrotoluene	1	37.319	38.2346	2.4	40
4-Nitrophenol	1	74.5345	74.0324	0.68	40
Fluorene	1	38.3073	39.4091	2.8	40
Pentachlorophenol	1	51.8504	51.4264	0.82	40
Pyrene	1	46.3951	50.0085	7.5	40
Butylbenzylphthalate	1	44.4046	46.773	5.2	40

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Form3
Recovery Data
QC Batch: SMB14940

	Data File	Sample ID:	Analysis Date
Spike or Dup:	9M45017.D	SMB14940(MS)	7/27/2012 11:26:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8270 Matrix: Soil QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Phenol	1	66.5296	0	100	67	20	130
2-Chlorophenol	1	72.4263	0	100	72	50	130
1,4-Dichlorobenzene	1	36.6509	0	50	73	50	130
2-Methylphenol	1	71.2064	0	100	71	50	130
N-Nitroso-di-n-propylamine	1	35.9002	0	50	72	20	130
2,4-Dimethylphenol	1	78.8191	0	100	79	50	130
1,2,4-Trichlorobenzene	1	36.6397	0	50	73	50	130
Naphthalene	1	38.2394	0	50	76	50	130
4-Chloro-3-methylphenol	1	74.3991	0	100	74	50	130
Acenaphthene	1	39.7191	0	50	79	50	130
2,4-Dinitrotoluene	1	33.6367	0	50	67	50	130
4-Nitrophenol	1	61.4712	0	100	61	20	130
Fluorene	1	40.0415	0	50	80	50	130
Pentachlorophenol	1	67.9344	0	100	68	40	130
Pyrene	1	42.5063	0	50	85	50	130
Butylbenzylphthalate	1	40.486	0	50	81	50	130

	Data File	Sample ID:	Analysis Date
Spike or Dup:	9M45019.D	AC67229-001(MS)	7/27/2012 12:12:00 PM
Non Spike(If applicable):	9M45018.D	AC67229-001	7/27/2012 11:49:00 AM
Inst Blank(If applicable):			

Method: 8270 Matrix: Soil QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Phenol	1	74.7369	0	100	75	20	130
2-Chlorophenol	1	83.2117	0	100	83	50	130
1,4-Dichlorobenzene	1	39.3383	0	50	79	50	130
2-Methylphenol	1	84.1367	0	100	84	50	130
N-Nitroso-di-n-propylamine	1	39.119	0	50	78	20	130
2,4-Dimethylphenol	1	92.4565	0	100	92	50	130
1,2,4-Trichlorobenzene	1	44.7317	0	50	89	50	130
Naphthalene	1	43.3537	0	50	87	50	130
4-Chloro-3-methylphenol	1	85.4655	0	100	85	50	130
Acenaphthene	1	44.1096	0	50	88	50	130
2,4-Dinitrotoluene	1	39.1495	0	50	78	50	130
4-Nitrophenol	1	68.8989	0	100	69	20	130
Fluorene	1	44.8017	0	50	90	50	130
Pentachlorophenol	1	77.4143	0	100	77	40	130
Pyrene	1	49.5814	0	50	99	50	130
Butylbenzylphthalate	1	47.2886	0	50	95	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: SMB14940

	Data File	Sample ID:	Analysis Date
Spike or Dup:	9M45020.D	AC67229-001(MSD)	7/27/2012 12:35:00 PM
Non Spike(If applicable):	9M45018.D	AC67229-001	7/27/2012 11:49:00 AM
Inst Blank(If applicable):			

Method: 8270 Matrix: Soil QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Phenol	1	72.3435	0	100	72	20	130
2-Chlorophenol	1	81.3477	0	100	81	50	130
1,4-Dichlorobenzene	1	38.5797	0	50	77	50	130
2-Methylphenol	1	76.8893	0	100	77	50	130
N-Nitroso-di-n-propylamine	1	38.2499	0	50	76	20	130
2,4-Dimethylphenol	1	86.0282	0	100	86	50	130
1,2,4-Trichlorobenzene	1	38.1825	0	50	76	50	130
Naphthalene	1	36.9695	0	50	74	50	130
4-Chloro-3-methylphenol	1	79.9763	0	100	80	50	130
Acenaphthene	1	42.3783	0	50	85	50	130
2,4-Dinitrotoluene	1	36.9841	0	50	74	50	130
4-Nitrophenol	1	65.8525	0	100	66	20	130
Fluorene	1	40.8624	0	50	82	50	130
Pentachlorophenol	1	69.7708	0	100	70	40	130
Pyrene	1	47.9228	0	50	96	50	130
Butylbenzylphthalate	1	43.6711	0	50	87	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
RPD DATA

QC Batch: SMB14940

	Data File	Sample ID:	Analysis Date
Spike or Dup:	9M45020.D	AC67229-001(MSD)	7/27/2012 12:35:00 PM
Duplicate(If applicable):	9M45019.D	AC67229-001(MS)	7/27/2012 12:12:00 PM
Inst Blank(If applicable):			

Method: 8270 Matrix: Soil QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Phenol	1	72.3435	74.7369	3.3	40
2-Chlorophenol	1	81.3477	83.2117	2.3	40
1,4-Dichlorobenzene	1	38.5797	39.3383	1.9	40
2-Methylphenol	1	76.8893	84.1367	9	40
N-Nitroso-di-n-propylamine	1	38.2499	39.119	2.2	40
2,4-Dimethylphenol	1	86.0282	92.4565	7.2	40
1,2,4-Trichlorobenzene	1	38.1825	44.7317	16	40
Naphthalene	1	36.9695	43.3537	16	40
4-Chloro-3-methylphenol	1	79.9763	85.4655	6.6	40
Acenaphthene	1	42.3783	44.1096	4	40
2,4-Dinitrotoluene	1	36.9841	39.1495	5.7	40
4-Nitrophenol	1	65.8525	68.8989	4.5	40
Fluorene	1	40.8624	44.8017	9.2	40
Pentachlorophenol	1	69.7708	77.4143	10	40
Pyrene	1	47.9228	49.5814	3.4	40
Butylbenzylphthalate	1	43.6711	47.2886	8	40

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

FORM 4
Blank Summary

Blank Number: SMB14940
Blank Data File: 7M55160.D
Matrix: Soil

Blank Analysis Date: 07/27/12 09:59
Blank Extraction Date: 07/26/12
(If Applicable)
Method: EPA 8270C

Sample Number	Data File	Analysis Date
AC67152-001	7M55176.D	07/27/12 16:35
AC67152-002(3X)	7M55174.D	07/27/12 15:43
AC67152-005	7M55177.D	07/27/12 16:59
AC67152-006	7M55178.D	07/27/12 17:24
SMB14940(MS)	9M45017.D	07/27/12 11:26
AC67229-001(MSD	9M45020.D	07/27/12 12:35
AC67229-001(MS)	9M45019.D	07/27/12 12:12
AC67229-001	9M45018.D	07/27/12 11:49

FORM 4
Blank Summary

Blank Number: SMB14952
Blank Data File: 7M55198.D
Matrix: Soil

Blank Analysis Date: 07/30/12 12:37
Blank Extraction Date: 07/30/12
(If Applicable)
Method: EPA 8270C

Sample Number	Data File	Analysis Date
AC67311-001(MS)	7M55208.D	07/31/12 10:32
AC67311-001	7M55207.D	07/31/12 10:08
SMB14952(MS)	7M55199.D	07/30/12 13:01
AC67311-001(MSD	7M55209.D	07/31/12 10:56

FORM 4
Blank Summary

Blank Number: SMB14963
Blank Data File: 9M45062.D
Matrix: Soil

Blank Analysis Date: 07/31/12 09:39
Blank Extraction Date: 07/30/12
(If Applicable)
Method: EPA 8270C

Sample Number	Data File	Analysis Date
AC67152-003	9M45073.D	07/31/12 13:51
AC67152-004	9M45074.D	07/31/12 14:14
AC67152-007	9M45075.D	07/31/12 14:37
AC67152-008	9M45076.D	07/31/12 15:00
AC67152-009	9M45077.D	07/31/12 15:23
SMB14963(MS)	9M45063.D	07/31/12 10:02

Form 5

Tune Name: CAL DFTPP **Data File:** 9M44763.D
Instrument: GCMS 9 **Analysis Date:** 07/17/12 08:38
Method: EPA 8270C
Tune Scan/Time Range: Average of 10.119 to 10.129 min

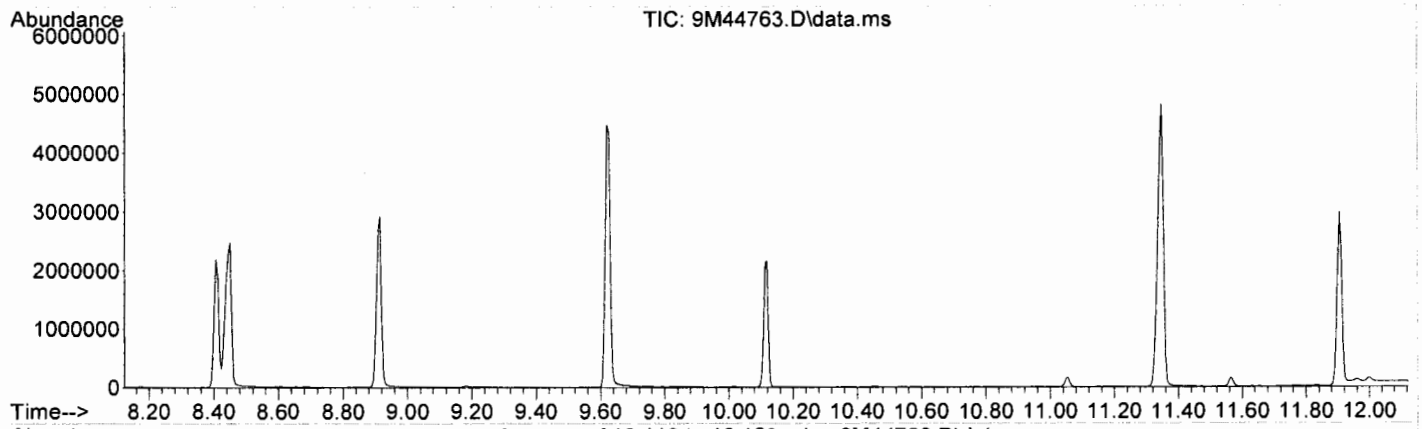
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	33.9	42731	PASS
68	69	0.00	2	1.6	899	PASS
69	198	0.00	100	44.0	55497	PASS
70	69	0.00	2	0.5	275	PASS
127	198	40	60	48.3	61005	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	126218	PASS
199	198	5	9	6.8	8645	PASS
275	198	10	30	22.6	28506	PASS
365	198	1	100	2.4	3054	PASS
441	443	0.01	100	80.2	9644	PASS
442	198	40	100	49.5	62502	PASS
443	442	17	23	19.2	12025	PASS

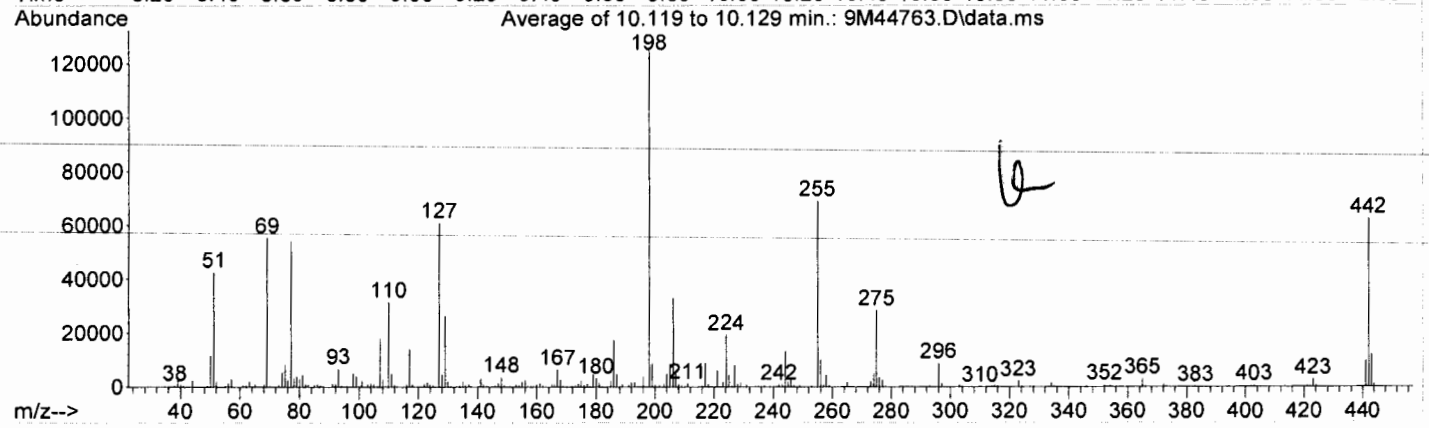
Data File	Sample Number	Analysis Date:
9M44764.D	CAL BNA@50PPM	07/17/12 09:05
9M44765.D	CAL BNA@10PPM	07/17/12 09:28
9M44766.D	CAL BNA@2PPM	07/17/12 09:51
9M44767.D	CAL BNA@.5PPM	07/17/12 10:14
9M44768.D	CAL BNA@196PP	07/17/12 10:37
9M44769.D	CAL BNA@160PP	07/17/12 11:01
9M44770.D	CAL BNA@120PP	07/17/12 11:24
9M44771.D	CAL BNA@80PPM	07/17/12 11:47
9M44772.D	CAL BNA@20PPM	07/17/12 12:11
9M44773.D	CAL BNA@50PPM	07/17/12 12:35
9M44774.D	ICV BNA@50PPM	07/17/12 12:58

Data Path : G:\GcMsData\2012\GCMS_9\Data\07-17-12\
Data File : 9M44763.D
Acq On : 17 Jul 2012 8:38
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2012\GCMS_9\MethodQt\9M_0713.M
Title : @GCMS_9,mg,625,8270
Last Update : Fri Jul 13 14:53:20 2012





Spectrum Information: Average of 10.119 to 10.129 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	33.9	42731	PASS
68	69	0.00	2	1.6	899	PASS
69	198	0.00	100	44.0	55497	PASS
70	69	0.00	2	0.5	275	PASS
127	198	40	60	48.3	61005	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	126218	PASS
199	198	5	9	6.8	8645	PASS
275	198	10	30	22.6	28506	PASS
365	198	1	100	2.4	3054	PASS
441	443	0.01	100	80.2	9644	PASS
442	198	40	100	49.5	62502	PASS
443	442	17	23	19.2	12025	PASS

Form 5

Tune Name: CALDFTPP **Data File:** 7M55092.D
Instrument: GCMS 7 **Analysis Date:** 07/24/12 09:36
Method: EPA 8270C

Tune Scan/Time Range: Average of 10.138 to 10.143 min

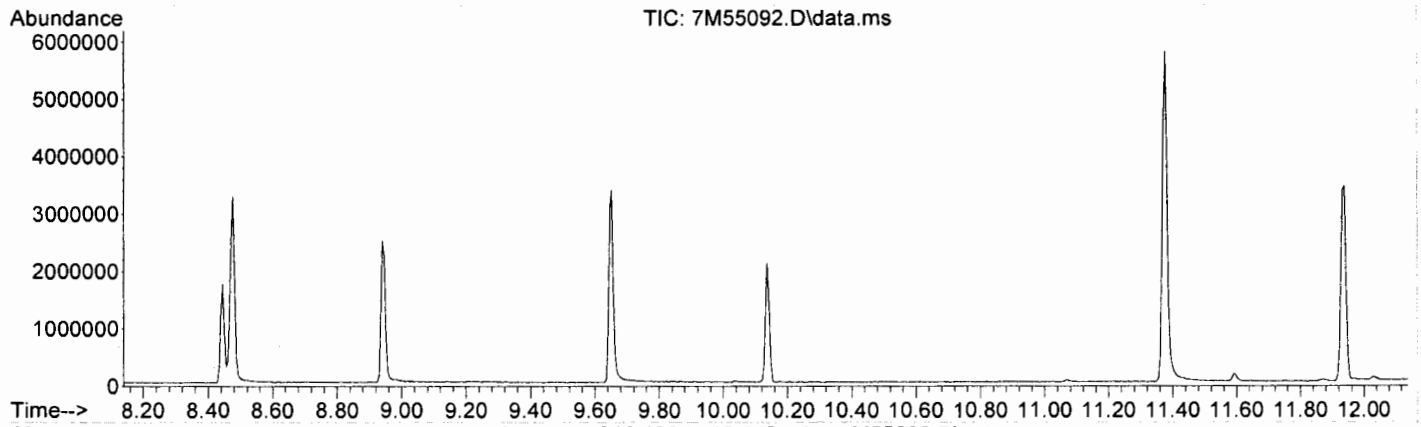
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	42.6	90684	PASS
68	69	0.00	2	1.2	1276	PASS
69	198	0.00	100	49.3	105008	PASS
70	69	0.00	2	1.3	1323	PASS
127	198	40	60	54.8	116716	PASS
197	198	0.00	1	0.6	1186	PASS
198	198	100	100	100.0	212960	PASS
199	198	5	9	6.0	12692	PASS
275	198	10	30	16.8	35752	PASS
365	198	1	100	1.2	2494	PASS
441	443	0.01	100	84.9	14815	PASS
442	198	40	100	41.6	88504	PASS
443	442	17	23	19.7	17456	PASS

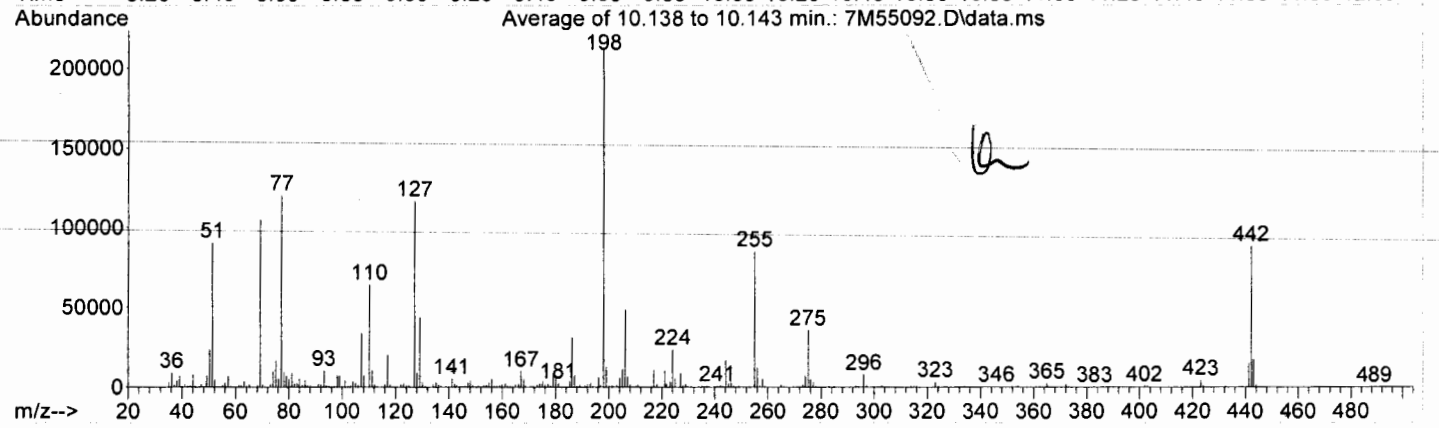
Data File	Sample Number	Analysis Date:
7M55093.D	CALBNA@50PPM	07/24/12 09:59
7M55094.D	CALBNA@196PP	07/24/12 10:23
7M55095.D	CALBNA@10PPM	07/24/12 10:51
7M55096.D	CALBNA@50PPM	07/24/12 11:26
7M55097.D	CALBNA@196PP	07/24/12 11:50
7M55098.D	CALBNA@50PPM	07/24/12 12:58
7M55099.D	CALBNA@10PPM	07/24/12 13:23
7M55100.D	CALBNA@2PPM	07/24/12 13:48
7M55101.D	CALBNA@.5PPM	07/24/12 14:13
7M55102.D	CALBNA@196PP	07/24/12 14:38
7M55103.D	CALBNA@160PP	07/24/12 15:03
7M55104.D	CALBNA@120PP	07/24/12 15:28
7M55105.D	CALBNA@80PPM	07/24/12 15:53
7M55106.D	CALBNA@20PPM	07/24/12 16:18
7M55107.D	CALBNA@50PPM	07/24/12 17:10
7M55108.D	ICVBNA@50PPM	07/24/12 17:35

Data Path : G:\GcMsData\2012\GCMS_7\Data\07-24-12\
Data File : 7M55092.D
Acq On : 24 Jul 2012 9:36
Operator : AHD
Sample : CALDFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2012\GCMS_7\METHODQT\7M_0618.M
Title : @GCMS_7,mg,625,8270
Last Update : Mon Jun 18 13:14:39 2012





Spectrum Information: Average of 10.138 to 10.143 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	42.6	90684	PASS
68	69	0.00	2	1.2	1276	PASS
69	198	0.00	100	49.3	105008	PASS
70	69	0.00	2	1.3	1323	PASS
127	198	40	60	54.8	116716	PASS
197	198	0.00	1	0.6	1186	PASS
198	198	100	100	100.0	212960	PASS
199	198	5	9	6.0	12692	PASS
275	198	10	30	16.8	35752	PASS
365	198	1	100	1.2	2494	PASS
441	443	0.01	100	84.9	14815	PASS
442	198	40	100	41.6	88504	PASS
443	442	17	23	19.7	17456	PASS

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 9

Data File: 9M45011.D
Analysis Date: 07/27/12 08:31
Method: EPA 8270C

Tune Scan/Time Range: Average of 10.069 to 10.090 min

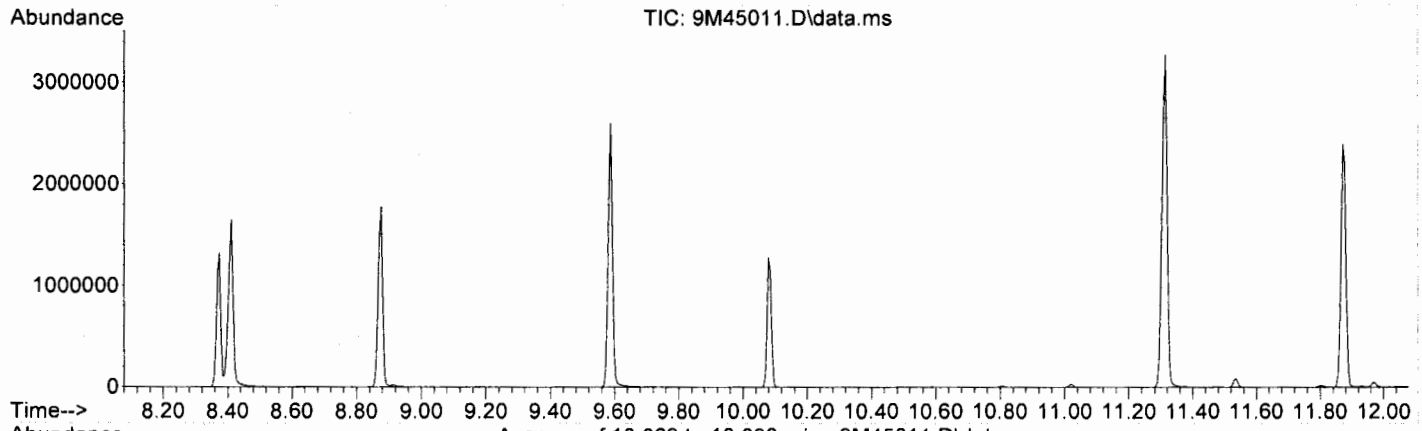
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	40.7	34176	PASS
68	69	0.00	2	1.2	546	PASS
69	198	0.00	100	52.9	44384	PASS
70	69	0.00	2	0.4	198	PASS
127	198	40	60	52.2	43770	PASS
197	198	0.00	1	0.3	262	PASS
198	198	100	100	100.0	83884	PASS
199	198	5	9	6.8	5716	PASS
275	198	10	30	20.2	16940	PASS
365	198	1	100	1.9	1602	PASS
441	443	0.01	100	79.8	5763	PASS
442	198	40	100	42.8	35867	PASS
443	442	17	23	20.1	7218	PASS

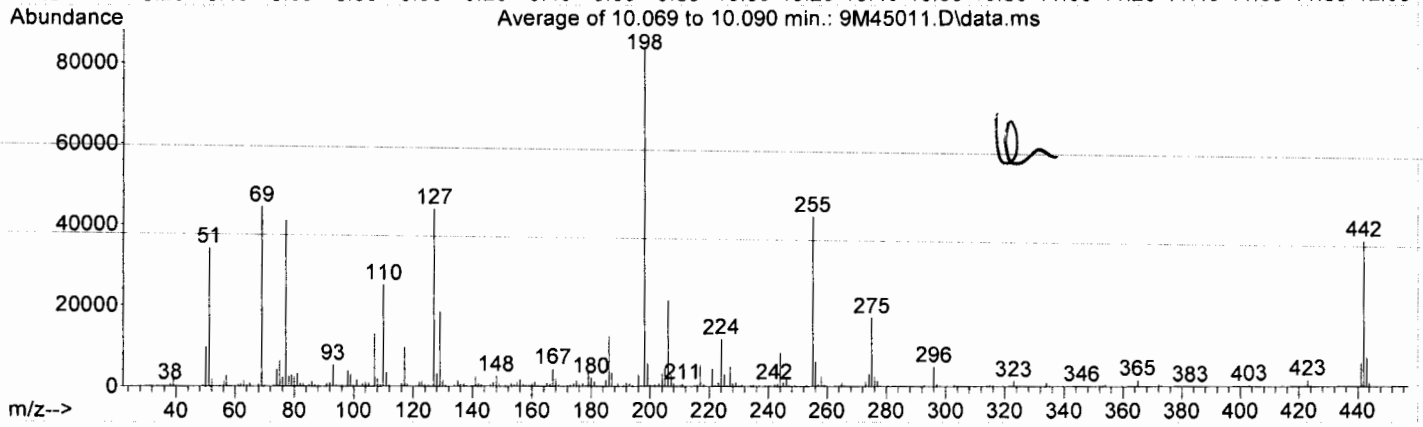
Data File	Sample Number	Analysis Date:
9M45012.D	CAL BNA@50PPM	07/27/12 09:07
9M45013.D	SMB14940	07/27/12 09:31
9M45014.D	SMB14940(MS)	07/27/12 10:17
9M45015.D	OMB14941(MS)	07/27/12 10:40
9M45016.D	OMB14941	07/27/12 11:03
9M45017.D	SMB14940(MS)	07/27/12 11:26
9M45018.D	AC67229-001	07/27/12 11:49
9M45019.D	AC67229-001(MS)	07/27/12 12:12
9M45020.D	AC67229-001(MSD	07/27/12 12:35
9M45021.D	AC67229-017	07/27/12 12:59
9M45022.D	AC67123-001	07/27/12 13:22
9M45023.D	AC67095-007	07/27/12 13:45
9M45024.D	AC67118-011	07/27/12 14:08
9M45025.D	AC67118-001	07/27/12 14:31
9M45026.D	WMB14942	07/27/12 15:26
9M45027.D	WMB14943	07/27/12 15:49
9M45028.D	AC66830-001(T)	07/27/12 16:12
9M45029.D	AC67017-001(T)	07/27/12 16:35
9M45030.D	AC67271-001	07/27/12 16:59
9M45031.D	AC67271-003	07/27/12 17:22
9M45032.D	AC67271-005	07/27/12 17:45
9M45033.D	AC67271-007	07/27/12 18:09
9M45034.D	AC67271-009	07/27/12 18:32
9M45035.D	AC67271-012	07/27/12 18:55
9M45036.D	AC67286-003	07/27/12 19:18
9M45037.D	AC67250-006(T)	07/27/12 19:41
9M45038.D	EF-1 V-145972 DT	07/27/12 20:05

Data Path : G:\GcMsData\2012\GCMS_9\Data\07-27-12\
Data File : 9M45011.D
Acq On : 27 Jul 2012 8:31
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2012\GCMS_9\MethodQt\9M_0717.M
Title : @GCMS_9,mg,625,8270
Last Update : Tue Jul 17 15:27:28 2012





Spectrum Information: Average of 10.069 to 10.090 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	40.7	34176	PASS
68	69	0.00	2	1.2	546	PASS
69	198	0.00	100	52.9	44384	PASS
70	69	0.00	2	0.4	198	PASS
127	198	40	60	52.2	43770	PASS
197	198	0.00	1	0.3	262	PASS
198	198	100	100	100.0	83884	PASS
199	198	5	9	6.8	5716	PASS
275	198	10	30	20.2	16940	PASS
365	198	1	100	1.9	1602	PASS
441	443	0.01	100	79.8	5763	PASS
442	198	40	100	42.8	35867	PASS
443	442	17	23	20.1	7218	PASS

Form 5

Tune Name: CALDFTPP **Data File:** 7M55158.D
Instrument: GCMS 7 **Analysis Date:** 07/27/12 09:08
Method: EPA 8270C
Tune Scan/Time Range: Average of 10.212 to 10.228 min

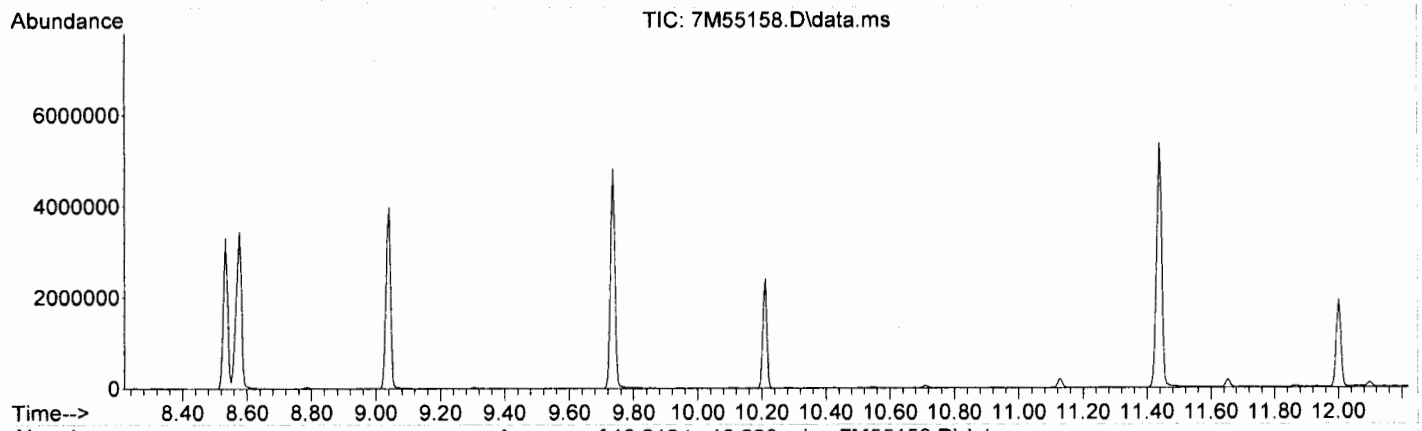
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	35.1	38527	PASS
68	69	0.00	2	0.3	146	PASS
69	198	0.00	100	43.5	47750	PASS
70	69	0.00	2	0.9	422	PASS
127	198	40	60	54.4	59714	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	109763	PASS
199	198	5	9	6.4	7052	PASS
275	198	10	30	20.0	21927	PASS
365	198	1	100	1.9	2079	PASS
441	443	0.01	100	0.7	96	PASS
442	198	40	100	59.8	65658	PASS
443	442	17	23	19.8	13019	PASS

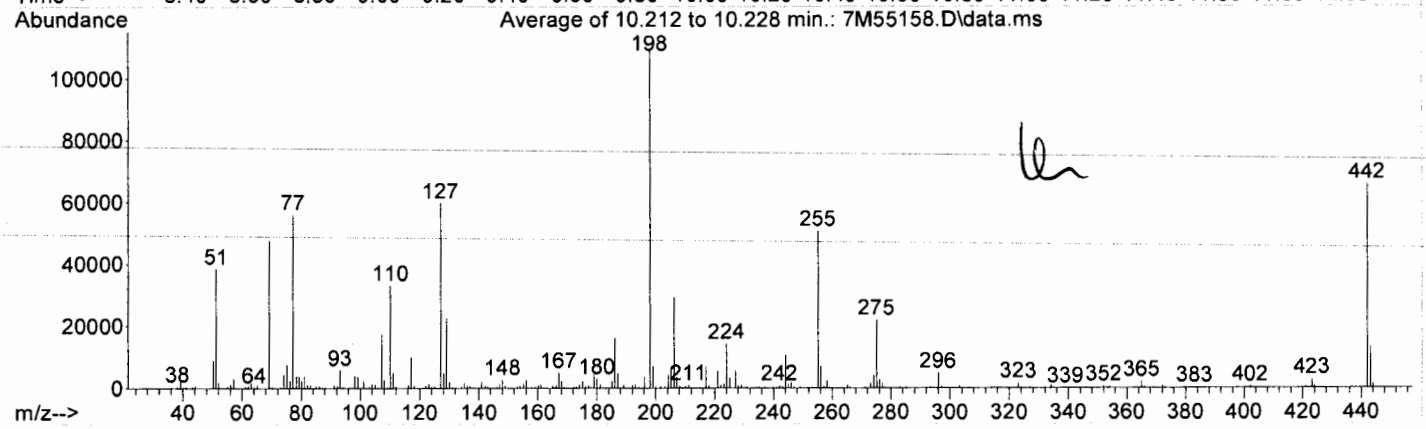
Data File	Sample Number	Analysis Date:
7M55159.D	CALBNA@50PPM	07/27/12 09:33
7M55160.D	SMB14940	07/27/12 09:59
7M55161.D	OMB14941	07/27/12 10:23
7M55162.D	AC67106-002	07/27/12 10:47
7M55163.D	AC67106-001	07/27/12 11:12
7M55164.D	AC67245-005(10X)	07/27/12 11:36
7M55165.D	AC67251-001(3X)	07/27/12 12:01
7M55166.D	67245-005(10X)(R)	07/27/12 12:25
7M55167.D	AC67243-001(3X)	07/27/12 12:50
7M55168.D	AC67243-002(10X)	07/27/12 13:15
7M55169.D	AC67243-003(10X)	07/27/12 13:40
7M55170.D	AC67243-004(10X)	07/27/12 14:04
7M55171.D	AC67245-005(10X)	07/27/12 14:29
7M55172.D	AC67122-001(10X)	07/27/12 14:54
7M55173.D	AC67123-003(3X)	07/27/12 15:19
7M55174.D	AC67152-002(3X)	07/27/12 15:43
7M55175.D	AC67251-001(R)(1	07/27/12 16:10
7M55176.D	AC67152-001	07/27/12 16:35
7M55177.D	AC67152-005	07/27/12 16:59
7M55178.D	AC67152-006	07/27/12 17:24
7M55179.D	AC67056-001	07/27/12 17:49
7M55180.D	AC67122-001(10X)	07/27/12 18:14

Data Path : G:\GcMsData\2012\GCMS_7\Data\07-27-12\
Data File : 7M55158.D
Acq On : 27 Jul 2012 9:08
Operator : AHD
Sample : CALDFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2012\GCMS_7\METHODQT\7M_0724.M
Title : @GCMS_7,mg,625,8270
Last Update : Tue Jul 24 17:31:59 2012





Spectrum Information: Average of 10.212 to 10.228 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	35.1	38527	PASS
68	69	0.00	2	0.3	146	PASS
69	198	0.00	100	43.5	47750	PASS
70	69	0.00	2	0.9	422	PASS
127	198	40	60	54.4	59714	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	109763	PASS
199	198	5	9	6.4	7052	PASS
275	198	10	30	20.0	21927	PASS
365	198	1	100	1.9	2079	PASS
441	443	0.01	100	0.7	96	PASS
442	198	40	100	59.8	65658	PASS
443	442	17	23	19.8	13019	PASS

Form 5

Tune Name: CALDFTPP
Instrument: GCMS 7

Data File: 7M55196.D
Analysis Date: 07/30/12 10:53
Method: EPA 8270C

Tune Scan/Time Range: Average of 10.126 to 10.137 min

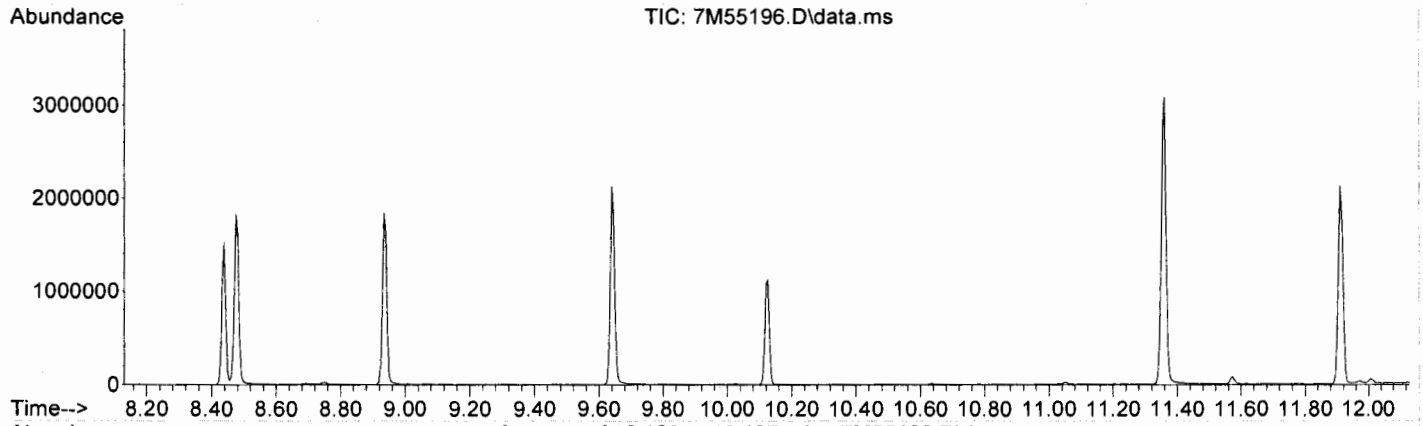
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	34.6	23603	PASS
68	69	0.00	2	1.2	341	PASS
69	198	0.00	100	41.9	28572	PASS
70	69	0.00	2	0.4	120	PASS
127	198	40	60	51.2	34901	PASS
197	198	0.00	1	0.7	477	PASS
198	198	100	100	100.0	68138	PASS
199	198	5	9	5.9	3992	PASS
275	198	10	30	20.1	13666	PASS
365	198	1	100	1.4	954	PASS
441	443	0.01	100	8.4	572	PASS
442	198	40	100	57.5	39179	PASS
443	442	17	23	17.4	6822	PASS

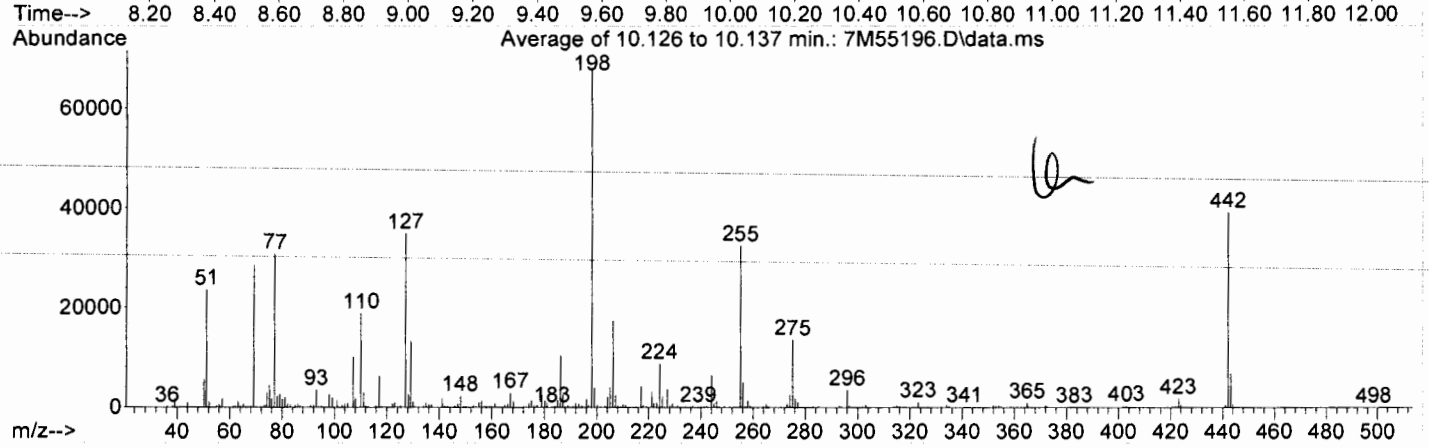
Data File	Sample Number	Analysis Date:
7M55197.D	CALBNA@50PPM	07/30/12 11:24
7M55198.D	SMB14952	07/30/12 12:37
7M55199.D	SMB14952(MS)	07/30/12 13:01
7M55200.D	AC67273-002(R)	07/30/12 13:26
7M55201.D	AC67270-001	07/30/12 13:50
7M55202.D	AC67279-001	07/30/12 14:14
7M55203.D	AC67279-001(5X)	07/30/12 14:42

Data Path : G:\GcMsData\2012\GCMS_7\Data\07-30-12\
Data File : 7M55196.D
Acq On : 30 Jul 2012 10:53
Operator : AHD
Sample : CALDFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2012\GCMS_7\METHODQT\7M_0724.M
Title : @GCMS_7,mg,625,8270
Last Update : Tue Jul 24 17:31:59 2012





Spectrum Information: Average of 10.126 to 10.137 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	34.6	23603	PASS
68	69	0.00	2	1.2	341	PASS
69	198	0.00	100	41.9	28572	PASS
70	69	0.00	2	0.4	120	PASS
127	198	40	60	51.2	34901	PASS
197	198	0.00	1	0.7	477	PASS
198	198	100	100	100.0	68138	PASS
199	198	5	9	5.9	3992	PASS
275	198	10	30	20.1	13666	PASS
365	198	1	100	1.4	954	PASS
441	443	0.01	100	8.4	572	PASS
442	198	40	100	57.5	39179	PASS
443	442	17	23	17.4	6822	PASS

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 9

Data File: 9M45059.D
Analysis Date: 07/31/12 08:24
Method: EPA 8270C

Tune Scan/Time Range: Average of 10.091 to 10.107 min

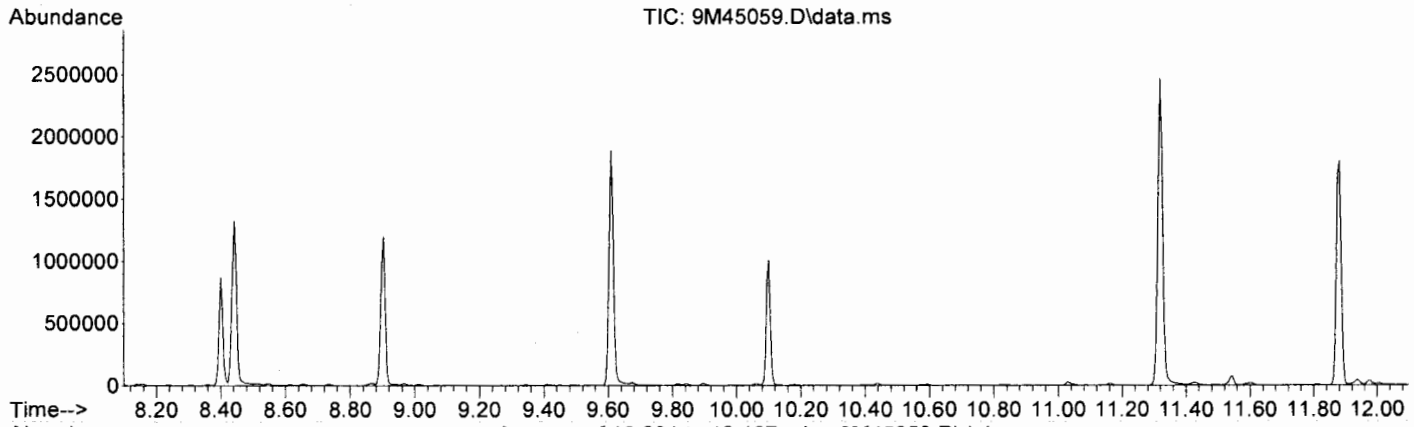
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	42.3	32828	PASS
68	69	0.00	2	1.1	445	PASS
69	198	0.00	100	54.4	42188	PASS
70	69	0.00	2	0.9	367	PASS
127	198	40	60	53.0	41144	PASS
197	198	0.00	1	0.1	53	PASS
198	198	100	100	100.0	77564	PASS
199	198	5	9	6.7	5228	PASS
275	198	10	30	19.8	15385	PASS
365	198	1	100	1.9	1461	PASS
441	443	0.01	100	80.5	5106	PASS
442	198	40	100	40.8	31674	PASS
443	442	17	23	20.0	6342	PASS

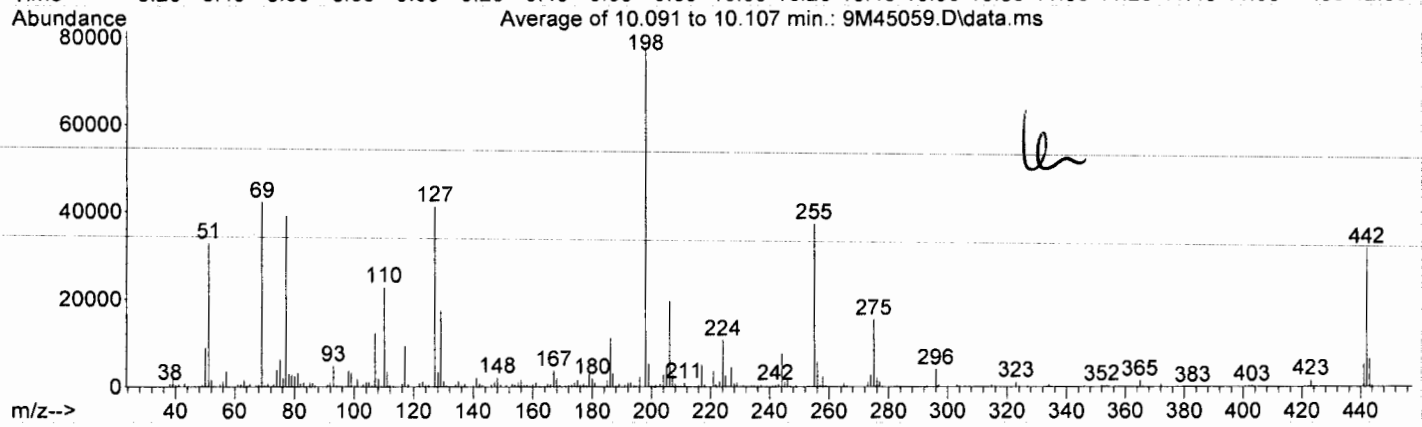
Data File	Sample Number	Analysis Date:
9M45060.D	CAL BNA@50PPM	07/31/12 08:52
9M45061.D	SMB14952	07/31/12 09:16
9M45062.D	SMB14963	07/31/12 09:39
9M45063.D	SMB14963(MS)	07/31/12 10:02
9M45064.D	AC67311-002	07/31/12 10:25
9M45065.D	AC67250-001	07/31/12 10:47
9M45066.D	AC67250-002	07/31/12 11:10
9M45067.D	AC67250-003	07/31/12 11:33
9M45068.D	AC67250-004	07/31/12 11:56
9M45069.D	AC67250-005	07/31/12 12:19
9M45070.D	AC67250-006	07/31/12 12:42
9M45071.D	AC67250-007	07/31/12 13:05
9M45072.D	AC67250-008	07/31/12 13:28
9M45073.D	AC67152-003	07/31/12 13:51
9M45074.D	AC67152-004	07/31/12 14:14
9M45075.D	AC67152-007	07/31/12 14:37
9M45076.D	AC67152-008	07/31/12 15:00
9M45077.D	AC67152-009	07/31/12 15:23
9M45078.D	WMB14969	07/31/12 16:08
9M45079.D	AC67243-001(30X)	07/31/12 16:31
9M45080.D	EF-SPLP V-145827	07/31/12 16:54
9M45081.D	EF-SPLP V-145827	07/31/12 17:17
9M45082.D	AC67095-007(T)	07/31/12 17:40

Data Path : G:\GcMsData\2012\GCMS_9\Data\07-31-12\
Data File : 9M45059.D
Acq On : 31 Jul 2012 8:24
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2012\GCMS_9\MethodQt\9M_0717.M
Title : @GCMS_9,mg,625,8270
Last Update : Tue Jul 17 15:27:28 2012





Spectrum Information: Average of 10.091 to 10.107 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	42.3	32828	PASS
68	69	0.00	2	1.1	445	PASS
69	198	0.00	100	54.4	42188	PASS
70	69	0.00	2	0.9	367	PASS
127	198	40	60	53.0	41144	PASS
197	198	0.00	1	0.1	53	PASS
198	198	100	100	100.0	77564	PASS
199	198	5	9	6.7	5228	PASS
275	198	10	30	19.8	15385	PASS
365	198	1	100	1.9	1461	PASS
441	443	0.01	100	80.5	5106	PASS
442	198	40	100	40.8	31674	PASS
443	442	17	23	20.0	6342	PASS

Form 5

Tune Name: CALDFTPP
Instrument: GCMS 7

Data File: 7M55204.D
Analysis Date: 07/31/12 08:51
Method: EPA 8270C

Tune Scan/Time Range: Average of 10.078 to 10.094 min

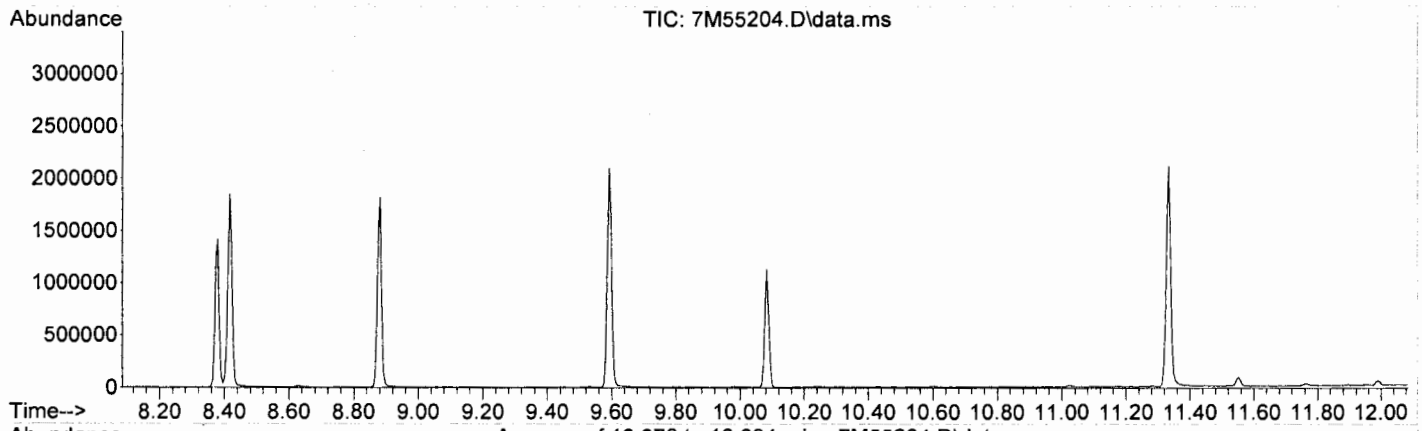
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	42.3	35657	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	50.2	42332	PASS
70	69	0.00	2	0.6	253	PASS
127	198	40	60	57.5	48417	PASS
197	198	0.00	1	0.1	64	PASS
198	198	100	100	100.0	84250	PASS
199	198	5	9	7.4	6233	PASS
275	198	10	30	18.1	15262	PASS
365	198	1	100	1.5	1292	PASS
441	443	0.01	100	27.0	2019	PASS
442	198	40	100	45.1	38018	PASS
443	442	17	23	19.7	7483	PASS

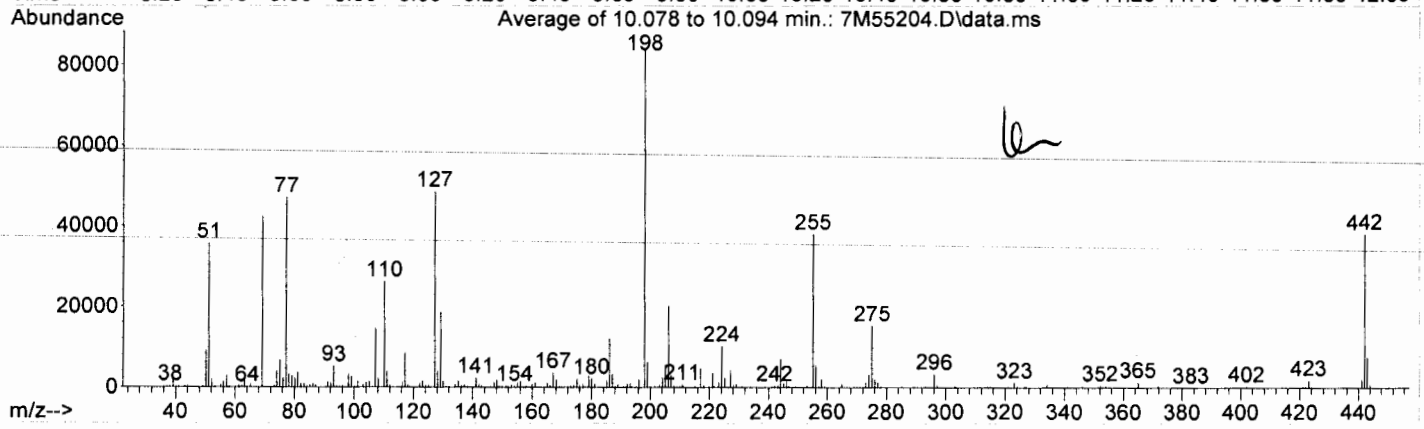
Data File	Sample Number	Analysis Date:
7M55205.D	CALBNA@50PPM	07/31/12 09:15
7M55206.D	SMB14963	07/31/12 09:44
7M55207.D	AC67311-001	07/31/12 10:08
7M55208.D	AC67311-001(MS)	07/31/12 10:32
7M55209.D	AC67311-001(MSD	07/31/12 10:56
7M55210.D	AC67045-007	07/31/12 11:21
7M55211.D	AC67250-009	07/31/12 11:45
7M55212.D	AC67250-010	07/31/12 12:09
7M55213.D	AC67299-001(10X)	07/31/12 12:33
7M55214.D	AC67299-003	07/31/12 12:57
7M55215.D	AC67243-001(10X)	07/31/12 13:21
7M55216.D	WMB14962	07/31/12 14:10
7M55217.D	AC67243-002(10X)	07/31/12 14:34
7M55218.D	AC67243-003(10X)	07/31/12 14:59
7M55219.D	AC67243-004(10X)	07/31/12 15:23
7M55220.D	AC67286-002(5X)	07/31/12 15:47
7M55221.D	AC67286-001	07/31/12 16:12
7M55222.D	AC67243-002(50X)	07/31/12 16:36
7M55223.D	AC67269-004	07/31/12 17:00
7M55224.D	AC67269-001	07/31/12 17:24
7M55225.D	AC67269-002(5X)	07/31/12 17:49
7M55226.D	AC67269-003(3X)	07/31/12 18:13
7M55227.D	AC67124-002(10X)	07/31/12 18:37
7M55228.D	AC67124-008(10X)	07/31/12 19:01
7M55229.D	AC67124-009(10X)	07/31/12 19:25
7M55230.D	AC67124-012(10X)	07/31/12 19:50
7M55231.D	AC67286-001(5X)	07/31/12 20:14
7M55232.D	AC67286-002(25X)	07/31/12 20:38

Data Path : G:\GcMsData\2012\GCMS_7\Data\07-31-12\
Data File : 7M55204.D
Acq On : 31 Jul 2012 8:51
Operator : AHD
Sample : CALDFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2012\GCMS_7\METHODQT\7M_0724.M
Title : @GCMS_7,mg,625,8270
Last Update : Tue Jul 24 17:31:59 2012





Spectrum Information: Average of 10.078 to 10.094 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	42.3	35657	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	50.2	42332	PASS
70	69	0.00	2	0.6	253	PASS
127	198	40	60	57.5	48417	PASS
197	198	0.00	1	0.1	64	PASS
198	198	100	100	100.0	84250	PASS
199	198	5	9	7.4	6233	PASS
275	198	10	30	18.1	15262	PASS
365	198	1	100	1.5	1292	PASS
441	443	0.01	100	27.0	2019	PASS
442	198	40	100	45.1	38018	PASS
443	442	17	23	19.7	7483	PASS

Method: EPA 8270C

Initial Calibration

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	9M44773.	CAL BNA@50PPM	07/17/12 12:35	2	9M44766.	CAL BNA@2PPM	07/17/12 09:51
3	9M44765.	CAL BNA@10PPM	07/17/12 09:28	4	9M44772.	CAL BNA@20PPM	07/17/12 12:11
5	9M44771.	CAL BNA@80PPM	07/17/12 11:47	6	9M44770.	CAL BNA@120PPM	07/17/12 11:24
7	9M44769.	CAL BNA@160PPM	07/17/12 11:01	8	9M44768.	CAL BNA@196PPM	07/17/12 10:37
9	9M44767.	CAL BNA@.5PPM	07/17/12 10:14				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
2-Dioxane	1	0	Avg	0.6666	0.6743	0.6356	0.6413	0.6315	0.6469	0.6531	0.6303	-----	0.647	2.71	0.999	0.999	2.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pyridine	1	0	Avg	1.7532	1.2066	1.4894	1.7733	1.9247	1.7885	1.7682	1.6995	-----	1.68	3.17	0.998	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitrosodimethylamin	1	0	Avg	1.0055	0.7654	0.9204	0.9832	1.0362	1.0385	1.0030	0.9664	-----	0.965	3.11	0.998	1.00	9.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorophenol	1	0	Avg	1.6976	1.2542	1.3801	1.4461	1.6482	1.6392	1.6521	1.6673	-----	1.55	4.69	0.999	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzaldehyde	1	0	Qua	1.0364	1.2100	1.2389	1.2266	0.8731	0.6728	0.5365	0.4086	-----	0.900	5.52	0.872	0.998	37		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Aniline	1	0	LinF	2.6906	1.7513	2.1313	2.5253	2.6668	2.3756	2.3346	2.1985	1.4980	2.24	5.61	0.994	0.998	18		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Pentachloroethane	1	0	Avg	0.6175	0.5830	0.5856	0.5887	0.6117	0.5871	0.5761	0.5489	-----	0.587	5.66	0.997	1.00	3.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethyl)ether	1	0	Avg	1.6612	1.5601	1.6706	1.5939	1.5793	1.5501	1.4751	1.4289	1.3427	1.54	5.67	0.997	1.00	7.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Phenol-d5	1	0	Avg	2.3484	2.1204	2.0539	2.1965	2.4012	2.2901	2.3187	2.2628	-----	2.25	5.57	0.999	1.00	5.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol	1	0	Avg	2.2726	2.2727	2.2307	2.2093	2.2784	2.2354	2.1318	2.1577	-----	2.22	5.58	0.999	1.00	2.5	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Chlorophenol	1	0	Avg	1.6200	1.3910	1.4825	1.5601	1.5841	1.5849	1.6204	1.5436	-----	1.55	5.71	0.999	0.999	5.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Decane	1	0	Avg	1.6524	1.6758	1.6527	1.6668	1.5867	1.4822	1.5169	1.4095	-----	1.58	5.76	0.996	0.999	6.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,3-Dichlorobenzene	1	0	Avg	1.7380	1.7175	1.6238	1.6281	1.7536	1.6349	1.6519	1.6460	-----	1.67	5.85	0.999	0.999	3.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,4-Dichlorobenzene	1	0	Avg	1.8023	1.6313	1.6668	1.7249	1.7567	1.7030	1.7096	1.6728	-----	1.71	5.91	0.999	1.00	3.2	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,2-Dichlorobenzene	1	0	Avg	1.6337	1.7093	1.4892	1.6575	1.6153	1.5969	1.6244	1.5570	-----	1.61	6.03	0.999	1.00	4.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzyl alcohol	1	0	Avg	1.1012	0.9651	0.9950	1.0158	1.1083	1.1764	1.1268	1.0853	-----	1.07	6.01	0.998	0.999	6.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-chloroisopropyl)et	1	0	Avg	1.9552	1.9312	1.9628	1.9664	1.9699	1.7840	1.8417	1.7162	-----	1.89	6.12	0.996	0.999	5.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylphenol	1	0	Avg	1.6282	1.3924	1.4252	1.5063	1.4907	1.5706	1.5410	1.4799	1.3987	1.49	6.09	0.999	0.999	5.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Acetophenone	1	0	Avg	2.4019	2.4472	2.2029	2.3464	2.4114	2.3605	2.2499	2.2991	-----	2.34	6.22	0.999	0.999	3.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachloroethane	1	0	Avg	0.8059	0.7211	0.7106	0.7499	0.7823	0.7854	0.7523	0.7194	-----	0.753	6.31	0.997	1.00	4.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitroso-di-n-propylan	1	0	Avg	1.3124	1.3427	1.2435	1.3037	1.3300	1.3067	1.2060	1.1743	1.0481	1.25	6.22	0.996	1.00	7.7	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
3&4-Methylphenol	1	0	Avg	1.7154	1.4069	1.4751	1.5628	1.7418	1.6906	1.6531	1.6753	1.2399	1.57	6.22	1.00	1.00	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Nitrobenzene-d5	1	0	Avg	0.1918	0.1498	0.1662	0.1757	0.1958	0.1750	0.1872	0.1925	-----	0.179	6.34	0.997	0.998	8.8		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
Nitrobenzene	1	0	Avg	0.4830	0.4388	0.4678	0.4766	0.5016	0.4705	0.4586	0.4681	-----	0.471	6.36	0.999	0.999	3.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Isophorone	1	0	Avg	0.8784	0.7454	0.8203	0.8543	0.8833	0.8947	0.8305	0.9190	-----	0.853	6.55	0.996	0.996	6.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitrophenol	1	0	LinF	0.2174	0.1115	0.1752	0.1933	0.2181	0.2154	0.2142	0.2261	-----	0.196	6.62	0.999	0.999	19	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4-Dimethylphenol	1	0	Avg	0.4792	0.4401	0.4606	0.4567	0.4870	0.4837	0.4660	0.4796	-----	0.469	6.64	0.999	0.999	3.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzoic Acid	1	0	Qua	0.3568	-----	0.0761	0.2343	0.3791	0.3776	0.3924	0.4000	-----	0.317	6.72	1.00	1.00	38		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethoxy)met	1	0	Avg	0.5028	0.4659	0.4944	0.5044	0.5150	0.4822	0.4861	0.5035	-----	0.494	6.72	0.999	0.999	3.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4-Dichlorophenol	1	0	Avg	0.3640	0.2943	0.3318	0.3187	0.3602	0.3549	0.3509	0.3633	0.2928	0.337	6.80	0.999	1.00	8.5	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
1,2,4-Trichlorobenzene	1	0	Avg	0.3789	0.3323	0.3681	0.3715	0.3938	0.3751	0.3715	0.3997	-----	0.374	6.87	0.997	0.998	5.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Naphthalene	1	0	Avg	1.1638	1.1879	1.1660	1.1206	1.1940	1.1822	1.1369	1.2121	1.1319	1.17	6.94	0.999	0.999	2.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
4-Chloroaniline	1	0	Qua	0.4768	0.2959	0.3792	0.4922	0.4623	0.4075	0.3538	0.3273	0.2919	0.387	6.97	0.972	0.999	20		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Hexachlorobutadiene	1	0	Avg	0.2269	0.2070	0.2128	0.2173	0.2210	0.2219	0.2214	0.2297	-----	0.220	7.03	0.999	1.00	3.3	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Caprolactam	1	0	Qua	0.1301	0.0787	0.1177	0.1296	0.1360	0.1335	0.1090	0.0973	-----	0.117	7.25	0.978	0.996	17		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chloro-3-methylphen	1	0	Avg	0.4180	0.3491	0.3832	0.4112	0.4237	0.4243	0.4387	0.4487	-----	0.412	7.33	0.999	1.00	7.8	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylnaphthalene	1	0	Avg	0.8051	0.6738	0.7758	0.7855	0.8242	0.8214	0.8251	0.8418	-----	0.794	7.48	1.00	1.00	6.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Methylnaphthalenes (T	1	0	Avg	0.8060	0.6738	0.7758	0.7855	0.8260	0.8214	0.8252	0.8418	-----	0.794	7.48	1.00	1.00	6.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,1'-Biphenyl	1	0	Avg	1.0195	0.9050	0.9156	0.9421	0.9942	0.9888	0.9915	1.0443	-----	0.975	7.86	0.999	0.999	5.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,2,4,5-Tetrachloroben:	1	0	Avg	0.6680	0.5899	0.6214	0.6329	0.6573	0.6230	0.6056	0.6119	-----	0.626	7.61	0.999	0.999	4.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorocyclopentac	1	0	Qua	0.3870	0.2217	0.2944	0.3065	0.3792	0.3769	0.3700	0.3761	-----	0.339	7.60	0.999	0.999	17	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria — ** - ccc compound*

b - failed the ccc criteria — *** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 8.48

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Method: EPA 8270C

Initial Calibration

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	9M44773.	CAL BNA@50PPM	07/17/12 12:35	2	9M44766.	CAL BNA@2PPM	07/17/12 09:51
3	9M44765.	CAL BNA@10PPM	07/17/12 09:28	4	9M44772.	CAL BNA@20PPM	07/17/12 12:11
5	9M44771.	CAL BNA@80PPM	07/17/12 11:47	6	9M44770.	CAL BNA@120PPM	07/17/12 11:24
7	9M44769.	CAL BNA@160PPM	07/17/12 11:01	8	9M44768.	CAL BNA@196PPM	07/17/12 10:37
9	9M44767.	CAL BNA@.5PPM	07/17/12 10:14				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
2,4,6-Trichlorophenol	1	0	Avg	0.4753	0.2961	0.3809	0.4050	0.4474	0.4376	0.4314	0.4069	-----	0.410	7.70	0.996	0.999	13	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4,5-Trichlorophenol	1	0	Avg	0.4642	0.3937	0.4253	0.4268	0.4854	0.4705	0.4408	0.4275	-----	0.442	7.73	0.996	0.999	6.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorobiphenyl	1	0	Avg	1.6519	1.5751	1.5250	1.5057	1.5980	1.5382	1.4698	1.4182	-----	1.54	7.77	0.997	0.999	4.8		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
2-Chloronaphthalene	1	0	Avg	1.3423	1.2858	1.3163	1.3193	1.3113	1.2196	1.1530	1.1912	-----	1.27	7.88	0.997	0.998	5.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,4-Dimethylnaphthalei	1	0	Avg	1.0175	1.0001	1.0005	1.0315	0.9887	0.9694	0.9984	1.0015	-----	1.00	8.16	1.00	1.00	1.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylnaphthalenes	1	0	Avg	1.0175	1.0001	1.0005	1.0315	0.9887	0.9694	0.9984	1.0015	-----	1.00	8.16	1.00	1.00	1.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diphenyl Ether	1	0	Avg	0.8880	0.7967	0.8784	0.8971	0.8720	0.8599	0.8024	0.8409	-----	0.854	7.94	0.998	0.998	4.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitroaniline	1	0	Avg	0.5351	0.4327	0.4927	0.5401	0.5115	0.5235	0.4896	0.4697	-----	0.499	7.95	0.996	0.999	7.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Coumarin	1	0	Avg	0.5225	0.5021	0.5396	0.4822	0.5085	0.5060	0.5004	0.5102	-----	0.509	8.15	1.00	1.00	3.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthylene	1	0	Avg	2.1312	1.9438	1.9465	1.9543	2.0729	1.9649	1.9301	1.9142	-----	1.98	8.24	0.999	1.00	3.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylphthalate	1	0	Avg	1.5652	1.5265	1.4408	1.4915	1.5830	1.5539	1.4843	1.4719	-----	1.51	8.10	0.999	1.00	3.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,6-Dinitrotoluene	1	0	Avg	0.3376	0.2303	0.3278	0.3241	0.3277	0.3345	0.3379	0.3282	-----	0.319	8.16	1.00	1.00	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthene	1	0	Avg	1.3421	1.2665	1.3176	1.2759	1.3381	1.2946	1.2884	1.2700	-----	1.30	8.40	1.00	1.00	2.3	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3-Nitroaniline	1	0	Avg	0.3811	0.2941	0.3278	0.3517	0.3740	0.3497	0.3201	0.2912	-----	0.336	8.31	0.989	0.999	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4-Dinitrophenol	1	0	Qua	0.1381	-----	0.0514	0.0835	0.1519	0.1588	0.1655	0.1622	-----	0.130	8.40	0.999	0.999	34	**(0.050)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzofuran	1	0	Avg	1.9207	1.8271	1.7662	1.7648	1.8441	1.8181	1.6825	1.7318	2.0076	1.82	8.55	0.998	0.999	5.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
2,4-Dinitrotoluene	1	0	LinF	0.4633	0.2288	0.3666	0.3919	0.4427	0.4560	0.4205	0.4430	-----	0.402	8.52	0.998	0.998	19		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitrophenol	1	0	Avg	0.3473	0.2620	0.3185	0.3513	0.3704	0.3675	0.3474	0.3445	-----	0.339	8.43	0.999	0.999	10	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,3,4,6-Tetrachlorophe	1	0	LinF	0.3885	0.1910	0.2800	0.3499	0.3788	0.3667	0.3548	0.3704	-----	0.335	8.65	0.999	0.999	20		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluorene	1	0	Avg	1.6546	1.4148	1.5095	1.5321	1.6321	1.5304	1.4887	1.5147	-----	1.53	8.87	0.998	0.999	5.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chlorophenyl-phenyl	1	0	Avg	0.7725	0.6819	0.7170	0.7059	0.7578	0.7409	0.7196	0.7348	-----	0.729	8.86	0.999	1.00	4.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diethylphthalate	1	0	Avg	1.6041	1.5150	1.5858	1.5572	1.6581	1.6090	1.5195	1.4838	-----	1.57	8.74	0.997	1.00	3.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitroaniline	1	0	Avg	0.4045	0.2753	0.3827	0.3862	0.4208	0.3893	0.3674	0.3540	-----	0.373	8.88	0.994	1.00	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Atrazine	1	0	Avg	0.3992	0.3478	0.3811	0.3888	0.4135	0.3967	0.3951	0.3733	-----	0.387	9.50	0.997	0.999	5.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4,6-Dinitro-2-methylphe	1	0	Qua	0.1202	-----	0.0461	0.0758	0.1157	0.1168	0.1269	0.1282	-----	0.104	8.90	0.998	0.998	30		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
n-Nitrosodiphenylamine	1	0	Avg	0.7563	0.7023	0.6831	0.7075	0.7628	0.7218	0.7294	0.7239	-----	0.723	8.97	0.999	1.00	3.7	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4,6-Tribromophenol	1	0	Qua	0.0887	0.0361	0.0663	0.0767	0.0860	0.0834	0.0889	0.0899	-----	0.0770	9.11	0.999	0.999	24		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,2-Diphenylhydrazine	1	0	Avg	1.0015	1.0089	0.9794	1.0116	1.0108	0.9223	0.9601	1.0006	-----	0.987	9.02	0.998	0.998	3.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Bromophenyl-phenyl	1	0	Avg	0.2314	0.2039	0.2017	0.2141	0.2307	0.2222	0.2353	0.2336	-----	0.222	9.35	0.999	0.999	6.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobenzene	1	0	Avg	0.2066	0.2061	0.1907	0.2140	0.2164	0.2024	0.2117	0.2203	-----	0.209	9.42	0.998	0.998	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Octadecane	1	0	Avg	0.5465	0.5048	0.5061	0.5748	0.5507	0.4914	0.5344	0.4968	-----	0.526	9.69	0.996	0.997	5.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachlorophenol	1	0	Qua	0.1517	-----	0.0803	0.1180	0.1549	0.1547	0.1645	0.1629	-----	0.141	9.62	1.00	1.00	22	*(30)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Phenanthrene	1	0	Avg	1.2553	1.1792	1.1836	1.2478	1.2282	1.1995	1.2446	1.2249	-----	1.22	9.86	1.00	1.00	2.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Anthracene	1	0	Avg	1.2126	1.2211	1.2129	1.2490	1.2959	1.2018	1.2683	1.2694	-----	1.24	9.91	0.999	0.999	2.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Carbazole	1	0	Avg	1.1689	1.1869	1.1858	1.1905	1.2590	1.1570	1.1530	1.2258	-----	1.19	10.08	0.998	0.998	3.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-butylphthalate	1	0	Avg	1.5875	1.2903	1.4143	1.5497	1.6517	1.5654	1.6042	1.5789	1.2420	1.50	10.46	1.00	1.00	9.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Fluoranthene	1	0	Avg	1.4851	1.3261	1.3495	1.4304	1.5365	1.4673	1.4955	1.4235	-----	1.44	11.18	0.998	0.999	5.0	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pyrene	1	0	Avg	1.5327	1.2459	1.3333	1.3951	1.5774	1.4931	1.5832	1.5856	-----	1.47	11.45	0.999	0.999	8.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzidine	1	0	Qua	0.5843	0.2484	0.3774	0.5667	0.5454	0.4161	0.3833	0.3419	-----	0.433	11.33	0.954	0.994	28		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Terphenyl-d14	1	0	Avg	0.8720	0.7211	0.7914	0.8172	0.9191	0.8891	0.9148	0.9956	-----	0.865	11.63	0.996	0.998	9.9		25.00	1.00	5.00	10.00	40.00	60.00	80.00	96.00	
4,4'-DDE	1	0	Avg	0.2997	0.2624	0.2576	0.2739	0.3088	0.2951	0.2927	0.3278	-----	0.290	11.56	0.994	0.996	8.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria — ** - ccc compound*

b - failed the ccc criteria — *** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 8.48

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Method: EPA 8270C

Initial Calibration

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	9M44773.	CAL BNA@50PPM	07/17/12 12:35	2	9M44766.	CAL BNA@2PPM	07/17/12 09:51
3	9M44765.	CAL BNA@10PPM	07/17/12 09:28	4	9M44772.	CAL BNA@20PPM	07/17/12 12:11
5	9M44771.	CAL BNA@80PPM	07/17/12 11:47	6	9M44770.	CAL BNA@120PPM	07/17/12 11:24
7	9M44769.	CAL BNA@160PPM	07/17/12 11:01	8	9M44768.	CAL BNA@196PPM	07/17/12 10:37
9	9M44767.	CAL BNA@.5PPM	07/17/12 10:14				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
2,4'-DDD	1	0	Avg	0.5301	0.4081	0.4477	0.4596	0.5502	0.5246	0.5281	0.5426	-----	0.499	11.96	0.999	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Butylbenzylphthalate	1	0	Avg	0.7360	0.5435	0.6539	0.6300	0.7837	0.7189	0.7248	0.7641	-----	0.694	12.22	0.998	0.998	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4,4'-DDT	1	0	Qua	0.4166	0.2600	0.3207	0.3371	0.4298	0.3957	0.4305	0.4522	-----	0.380	12.32	0.996	0.998	18		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3,3'-Dichlorobenzidine	1	0	Qua	0.3813	0.2450	0.3196	0.3626	0.3653	0.3155	0.2954	0.2745	-----	0.320	12.84	0.982	0.999	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]anthracene	1	0	Avg	1.3315	1.2404	1.2731	1.2586	1.3543	1.3216	1.3005	1.3466	-----	1.30	12.87	0.999	0.999	3.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Chrysene	1	0	Avg	1.1862	1.1325	1.1277	1.0977	1.2420	1.1733	1.2347	1.1938	-----	1.17	12.91	0.999	0.999	4.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Ethylhexyl)phthal	1	0	Avg	0.9560	0.7086	0.8541	0.8535	1.0215	0.9837	1.0200	1.0070	-----	0.926	12.91	0.999	1.00	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-octylphthalate	1	0	Avg	2.0660	1.3604	1.6744	1.7481	2.1430	2.0647	2.0351	2.0864	-----	1.90	13.65	0.999	0.999	15	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[b]fluoranthene	1	0	Avg	1.4606	1.2226	1.2146	1.3125	1.4438	1.4507	1.4165	1.4388	-----	1.37	14.08	1.00	1.00	7.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[k]fluoranthene	1	0	Avg	1.3376	1.2215	1.2659	1.2409	1.3824	1.2756	1.2845	1.2727	-----	1.29	14.11	0.999	0.999	4.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]pyrene	1	0	Avg	1.3965	1.1362	1.1909	1.2421	1.3432	1.3149	1.3168	1.3238	-----	1.28	14.45	1.00	1.00	6.7	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Indeno[1,2,3-cd]pyrene	1	0	Avg	1.2897	1.0451	1.1235	1.1132	1.2581	1.2063	1.2029	1.2393	-----	1.18	15.86	0.999	0.999	7.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzo[a,h]anthracene	1	0	Avg	1.0191	0.8390	0.8970	0.8951	1.0046	0.9587	0.9702	1.0014	-----	0.948	15.88	0.999	0.999	6.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[g,h,i]perylene	1	0	Avg	1.0188	0.8930	0.9349	0.8939	1.0258	0.9680	0.9559	-----	-----	0.956	16.25	0.998	0.999	5.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0		

Flags

a - failed the spcc criteria — ** - ccc compound*

b - failed the ccc criteria — *** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 8.48

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Method: EPA 8270C

Initial Calibration

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	7M55107.	CALBNA@50PPM	07/24/12 17:10	2	7M55100.	CALBNA@2PPM	07/24/12 13:48
3	7M55099.	CALBNA@10PPM	07/24/12 13:23	4	7M55106.	CALBNA@20PPM	07/24/12 16:18
5	7M55105.	CALBNA@80PPM	07/24/12 15:53	6	7M55104.	CALBNA@120PPM	07/24/12 15:28
7	7M55103.	CALBNA@160PPM	07/24/12 15:03	8	7M55102.	CALBNA@196PPM	07/24/12 14:38
9	7M55101.	CALBNA@.5PPM	07/24/12 14:13				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
1,4-Dioxane	1	0	LinF	0.7490	1.0772	0.7879	0.7505	0.7447	0.7383	0.7074	0.7325	-----	0.786	2.68	0.999	0.999	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pyridine	1	0	Avg	1.9587	1.9545	1.8369	1.8956	2.0437	2.0145	1.9411	1.9712	-----	1.95	3.15	0.999	1.00	3.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitrosodimethylamin	1	0	Avg	1.1395	1.0462	1.1693	1.1128	1.1966	1.1745	1.1109	1.1610	-----	1.14	3.10	0.999	0.999	4.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorophenol	1	0	Avg	1.6312	1.7067	1.5694	1.5964	1.7261	1.7121	1.6312	1.6525	-----	1.65	4.68	0.999	0.999	3.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzaldehyde	1	0	Qua	0.9952	1.4784	1.3284	1.2853	0.8959	0.5041	-----	-----	-----	1.08	5.51	0.882	0.996	33		50.00	2.00	10.00	20.00	80.00	120.0			
Aniline	1	0	Avg	2.5474	2.4515	2.6658	2.7171	2.6676	2.4828	2.3253	2.3244	1.8603	2.45	5.60	0.997	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Pentachloroethane	1	0	Avg	0.5596	0.5707	0.5394	0.5536	0.5827	0.5697	0.5505	0.5615	-----	0.561	5.65	0.999	1.00	2.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethyl)ether	1	0	Avg	1.7785	1.9173	1.8209	1.7750	1.8288	1.7343	1.7309	1.7074	1.8633	1.80	5.67	0.999	1.00	3.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Phenol-d5	1	0	Avg	2.2648	2.3539	2.2757	2.2365	2.3693	2.3100	2.2305	2.2374	-----	2.28	5.56	0.999	1.00	2.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol	1	0	Avg	2.5091	2.4741	2.4333	2.2661	2.4415	2.3816	2.2858	2.2936	-----	2.39	5.57	0.999	1.00	3.9	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Chlorophenol	1	0	Avg	1.5932	1.6064	1.5786	1.5750	1.6846	1.6369	1.5830	1.5954	-----	1.61	5.70	0.999	1.00	2.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Decane	1	0	Avg	1.8857	1.9966	1.9404	1.9205	1.9409	1.8557	1.7820	1.7487	-----	1.88	5.75	0.998	1.00	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,3-Dichlorobenzene	1	0	Avg	1.6644	1.7579	1.7731	1.6472	1.7383	1.6354	1.5813	1.5887	-----	1.67	5.84	0.999	0.999	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,4-Dichlorobenzene	1	0	Avg	1.6832	1.7605	1.7479	1.7105	1.7752	1.6855	1.6250	1.6032	-----	1.70	5.91	0.998	1.00	3.7	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,2-Dichlorobenzene	1	0	Avg	1.5787	1.6981	1.5793	1.6106	1.6456	1.5693	1.5351	1.5391	-----	1.59	6.03	0.999	1.00	3.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzyl alcohol	1	0	Avg	1.2332	1.1670	1.2267	1.2323	1.2976	1.2577	1.2117	1.2226	-----	1.23	6.00	0.999	1.00	3.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-chloroisopropyl)et	1	0	Avg	2.0875	2.4077	2.2087	2.0775	2.1918	2.0976	2.0319	2.0431	-----	2.14	6.12	0.999	1.00	5.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylphenol	1	0	Avg	1.6561	1.7525	1.7586	1.6339	1.7726	1.6776	1.6299	1.6364	1.6662	1.69	6.09	0.999	0.999	3.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Acetophenone	1	0	Avg	2.4525	2.5115	2.5216	2.4933	2.5349	2.4360	2.3394	2.3198	-----	2.45	6.23	0.999	1.00	3.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachloroethane	1	0	Avg	0.7073	0.6634	0.6733	0.6968	0.7240	0.7090	0.6847	0.6800	-----	0.692	6.32	0.999	1.00	3.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitroso-di-n-propylan	1	0	Avg	1.3447	1.4754	1.3634	1.3959	1.4456	1.3655	1.3445	1.3338	1.3413	1.38	6.23	0.999	1.00	3.7	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
3&4-Methylphenol	1	0	Avg	1.7717	1.8413	1.7492	1.7534	1.8613	1.7852	1.7218	1.7100	1.7540	1.77	6.22	0.999	1.00	2.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Nitrobenzene-d5	1	0	Avg	0.2076	0.1809	0.1948	0.2014	0.2124	0.2019	0.2108	0.2055	-----	0.202	6.36	0.999	0.999	5.0		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
Nitrobenzene	1	0	Avg	0.5170	0.4978	0.5299	0.5138	0.5245	0.5084	0.4966	0.4904	-----	0.510	6.38	0.999	1.00	2.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Isophorone	1	0	Avg	0.9237	0.9241	0.9502	0.9085	0.9304	0.8893	0.8623	0.8670	-----	0.907	6.57	0.999	1.00	3.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitrophenol	1	0	Avg	0.2203	0.1742	0.1971	0.1993	0.2221	0.2221	0.2153	0.2114	-----	0.208	6.64	0.999	0.999	8.0	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4-Dimethylphenol	1	0	Avg	0.4934	0.5040	0.4866	0.4735	0.4938	0.4764	0.4675	0.4694	-----	0.483	6.66	1.00	1.00	2.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzoic Acid	1	0	Qua	0.3264	-----	0.1167	0.2021	0.3662	0.3797	0.3756	0.3729	-----	0.306	6.73	0.999	0.999	34		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethoxy)met	1	0	Avg	0.5548	0.5634	0.5782	0.5598	0.5625	0.5475	0.5293	0.5273	-----	0.553	6.75	0.999	1.00	3.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4-Dichlorophenol	1	0	Avg	0.3252	0.3316	0.3004	0.3156	0.3245	0.3226	0.3137	0.3070	0.3407	0.320	6.84	0.999	1.00	3.9	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
1,2,4-Trichlorobenzene	1	0	Avg	0.3471	0.3554	0.3725	0.3488	0.3570	0.3438	0.3361	0.3343	-----	0.349	6.91	0.999	1.00	3.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Naphthalene	1	0	Avg	1.2248	1.2914	1.2823	1.2266	1.2241	1.1545	1.1009	1.0753	1.3488	1.21	6.98	0.997	1.00	7.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
4-Chloroaniline	1	0	Avg	0.5009	0.4292	0.5148	0.5101	0.4935	0.4428	0.4005	0.3913	0.4305	0.457	7.02	0.989	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Hexachlorobutadiene	1	0	Avg	0.1648	0.1650	0.1631	0.1613	0.1619	0.1566	0.1523	0.1535	-----	0.160	7.08	0.999	1.00	3.1	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Caprolactam	1	0	Avg	0.1531	0.1191	0.1465	0.1464	0.1562	0.1542	0.1620	0.1649	-----	0.150	7.32	0.999	1.00	9.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chloro-3-methylphen	1	0	Avg	0.4289	0.3573	0.3953	0.4178	0.4408	0.4222	0.4092	0.4149	-----	0.411	7.41	0.999	1.00	6.2	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylnaphthalene	1	0	Avg	0.7893	0.7834	0.7935	0.8120	0.8025	0.7595	0.7358	0.7297	-----	0.776	7.57	0.999	1.00	3.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Methylnaphthalenes (T	1	0	Avg	0.7890	0.7834	0.7935	0.8120	0.8025	0.7595	0.7358	0.7297	-----	0.776	7.57	0.999	1.00	3.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,1'-Biphenyl	1	0	Avg	0.9739	0.9955	0.9933	0.9812	0.9700	0.9152	0.8778	0.8692	-----	0.947	7.98	0.998	1.00	5.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,2,4,5-Tetrachloroben.	1	0	Avg	0.5238	0.5219	0.5411	0.5075	0.5242	0.5017	0.4972	0.4916	-----	0.514	7.71	0.999	1.00	3.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorocyclopentac	1	0	Qua	0.2456	0.1492	0.1970	0.2139	0.2685	0.2579	0.2614	0.2565	-----	0.231	7.70	0.999	0.999	18	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Avg Rsd: 6.43

Flags

a - failed the spcc criteria — ** - ccc compound*
b - failed the ccc criteria — *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note:

Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

2071832 0197

Method: EPA 8270C

Initial Calibration

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	7M55107.	CALBNA@50PPM	07/24/12 17:10	2	7M55100.	CALBNA@2PPM	07/24/12 13:48
3	7M55099.	CALBNA@10PPM	07/24/12 13:23	4	7M55106.	CALBNA@20PPM	07/24/12 16:18
5	7M55105.	CALBNA@80PPM	07/24/12 15:53	6	7M55104.	CALBNA@120PPM	07/24/12 15:28
7	7M55103.	CALBNA@160PPM	07/24/12 15:03	8	7M55102.	CALBNA@196PPM	07/24/12 14:38
9	7M55101.	CALBNA@.5PPM	07/24/12 14:13				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
2.4.6-Trichlorophenol	1	0	Avg	0.3770	0.3509	0.3470	0.3704	0.3876	0.3718	0.3711	0.3758	-----	0.369	7.81	1.00	1.00	3.7	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4.5-Trichlorophenol	1	0	Avg	0.4021	0.3596	0.3921	0.3751	0.4157	0.3991	0.4028	0.3898	-----	0.392	7.84	0.999	1.00	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorobiphenyl	1	0	Avg	1.4935	1.4644	1.4961	1.4654	1.5224	1.4623	1.4451	1.4332	-----	1.47	7.88	1.00	1.00	2.0		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
2-Chloronaphthalene	1	0	Qua	1.2452	1.4107	1.8746	1.2693	1.3733	1.2190	1.2032	1.1960	-----	1.35	8.00	0.997	0.998	17		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.4-Dimethylnaphthalei	1	0	Avg	1.0911	1.1485	1.0823	1.0714	1.1101	1.0441	1.0163	1.0047	-----	1.07	8.30	0.998	1.00	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylnaphthalenes	1	0	Avg	1.0911	1.1485	1.0823	1.0714	1.1100	1.0441	1.0163	1.0047	-----	1.07	8.30	0.998	1.00	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diphenyl Ether	1	0	Avg	0.8728	0.8626	0.8909	0.8695	0.8772	0.8365	0.8275	0.8173	-----	0.857	8.07	0.999	1.00	3.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitroaniline	1	0	Avg	0.5226	0.4279	0.5030	0.4909	0.5502	0.5459	0.5334	0.5383	-----	0.514	8.09	1.00	1.00	7.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Coumarin	1	0	Avg	0.5594	0.6119	0.5726	0.5567	0.5752	0.5476	0.5407	0.5457	-----	0.564	8.28	1.00	1.00	4.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthylene	1	0	Avg	2.1051	2.1206	2.0942	2.0567	2.1130	1.9880	1.9232	1.9049	-----	2.04	8.38	0.998	1.00	4.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylphthalate	1	0	Avg	1.5036	1.5231	1.5094	1.4839	1.5128	1.4294	1.3782	1.3880	-----	1.47	8.25	0.999	0.999	4.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.6-Dinitrotoluene	1	0	Avg	0.3525	0.2528	0.2986	0.3292	0.3576	0.3392	0.3306	0.3290	-----	0.324	8.30	0.999	1.00	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthene	1	0	Avg	1.3363	1.3963	1.3539	1.3236	1.3774	1.2980	1.2723	1.2727	-----	1.33	8.54	0.999	1.00	3.5	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3-Nitroaniline	1	0	Avg	0.4039	0.2856	0.3844	0.4003	0.4109	0.3775	0.3615	0.3644	-----	0.374	8.46	0.997	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dinitrophenol	1	0	Qua	0.1473	-----	0.0766	0.0961	0.1656	0.1779	0.1835	0.1833	-----	0.147	8.56	0.998	0.999	30	**(0.050)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzofuran	1	0	Avg	1.7756	1.8817	1.8727	1.7945	1.8188	1.6987	1.6587	1.6391	2.0505	1.80	8.71	0.999	1.00	7.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
2.4-Dinitrotoluene	1	0	LinF	0.4662	0.2766	0.3880	0.4038	0.4848	0.4588	0.4559	0.4642	-----	0.425	8.68	0.999	0.999	16		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitrophenol	1	0	Avg	0.3359	0.2648	0.3128	0.3358	0.3513	0.3651	0.3702	0.3567	-----	0.337	8.59	0.999	0.999	10	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.3.4.6-Tetrachlorophe	1	0	Avg	0.2890	0.2614	0.2933	0.2799	0.3062	0.2953	0.2945	0.2938	-----	0.289	8.81	1.00	1.00	4.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluorene	1	0	Avg	1.5078	1.4873	1.5799	1.5064	1.5537	1.4522	1.4007	1.4178	-----	1.49	9.04	0.998	0.999	4.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chlorophenyl-phenyl	1	0	Avg	0.6366	0.6456	0.6548	0.6239	0.6547	0.6183	0.6109	0.6070	-----	0.632	9.03	0.999	1.00	3.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diethylphthalate	1	0	Avg	1.5799	1.5204	1.6062	1.5718	1.6568	1.5385	1.4962	1.5124	-----	1.56	8.91	0.999	0.999	3.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitroaniline	1	0	Avg	0.4277	0.3224	0.4180	0.4132	0.4583	0.4363	0.4263	0.4420	-----	0.418	9.05	0.999	0.999	9.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Atrazine	1	0	Avg	0.3216	0.3232	0.3462	0.3506	0.3464	0.3275	0.3072	0.3186	-----	0.330	9.68	0.998	0.998	4.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4.6-Dinitro-2-methylphe	1	0	Qua	0.1113	-----	0.0599	0.0852	0.1326	0.1321	0.1329	0.1300	-----	0.112	9.07	0.998	0.998	26		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
n-Nitrosodiphenylamine	1	0	Avg	0.7237	0.7426	0.7515	0.7214	0.7598	0.7356	0.6901	0.6805	-----	0.726	9.14	0.997	0.999	3.9	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4.6-Tribromophenol	1	0	Avg	0.0647	0.0522	0.0590	0.0626	0.0678	0.0652	0.0644	0.0615	-----	0.0622	9.27	0.998	1.00	7.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2-Diphenylhydrazine	1	0	Avg	1.0692	1.1407	1.1010	1.0963	1.0998	1.1593	1.1097	1.0753	-----	1.11	9.19	0.998	0.999	2.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Bromophenyl-phenyl	1	0	Avg	0.1776	0.1652	0.1733	0.1724	0.1837	0.1781	0.1697	0.1647	-----	0.173	9.52	0.997	1.00	3.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobenzene	1	0	Avg	0.1573	0.1752	0.1653	0.1626	0.1686	0.1630	0.1530	0.1526	-----	0.162	9.58	0.998	0.999	4.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Octadecane	1	0	Avg	0.6417	0.6991	0.6585	0.6528	0.6748	0.6408	0.6150	0.5970	-----	0.648	9.85	0.997	1.00	5.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachlorophenol	1	0	Qua	0.1136	0.0504	0.0884	0.1046	0.1223	0.1247	0.1216	0.1223	-----	0.106	9.78	0.999	0.999	24	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenanthrene	1	0	Avg	1.1832	1.2669	1.1985	1.1999	1.2103	1.1564	1.0868	1.0725	-----	1.17	10.02	0.997	1.00	5.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Anthracene	1	0	Avg	1.2000	1.2647	1.2184	1.2470	1.2480	1.1928	1.1278	1.1057	-----	1.20	10.08	0.997	1.00	4.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Carbazole	1	0	Avg	1.1811	1.2072	1.1752	1.1878	1.2113	1.1513	1.0865	1.0769	-----	1.16	10.25	0.997	1.00	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-butylphthalate	1	0	Avg	1.5292	1.4045	1.5411	1.5365	1.6003	1.5117	1.4049	1.3702	1.3470	1.47	10.62	0.995	0.999	6.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Fluoranthene	1	0	Avg	1.2071	1.2166	1.2187	1.1997	1.3035	1.1938	1.1137	1.1130	-----	1.20	11.37	0.995	0.998	5.1	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pyrene	1	0	Avg	1.6026	1.5356	1.5872	1.5594	1.6106	1.4893	1.4910	1.4461	-----	1.54	11.64	0.998	1.00	3.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzidine	1	0	Qua	0.6217	0.3777	0.5610	0.6968	0.6234	0.5003	0.4614	0.4621	-----	0.538	11.53	0.978	0.996	20		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Terphenyl-d14	1	0	Avg	0.8826	0.9151	0.8968	0.8843	0.9210	0.8708	0.8947	0.8923	-----	0.895	11.82	1.00	1.00	1.9		25.00	1.00	5.00	10.00	40.00	60.00	80.00	96.00	
4.4'-DDE	1	0	Avg	0.2869	0.2904	0.2872	0.2749	0.2910	0.2750	0.2729	0.2636	-----	0.280	11.76	0.998	1.00	3.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags
a - failed the spcc criteria — ** - ccc compound*
b - failed the ccc criteria — *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 6.43
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

2071832 0198

Method: EPA 8270C

Initial Calibration

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	7M55107.	CALBNA@50PPM	07/24/12 17:10	2	7M55100.	CALBNA@2PPM	07/24/12 13:48
3	7M55099.	CALBNA@10PPM	07/24/12 13:23	4	7M55106.	CALBNA@20PPM	07/24/12 16:18
5	7M55105.	CALBNA@80PPM	07/24/12 15:53	6	7M55104.	CALBNA@120PPM	07/24/12 15:28
7	7M55103.	CALBNA@160PPM	07/24/12 15:03	8	7M55102.	CALBNA@196PPM	07/24/12 14:38
9	7M55101.	CALBNA@.5PPM	07/24/12 14:13				

mpound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
ı'-DDD	1	0	Avg	0.5060	0.4462	0.4733	0.4943	0.5234	0.4956	0.4939	0.4831	-----	0.490	12.18	0.999	1.00	4.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Butylbenzylphthalate	1	0	Avg	0.8719	0.7268	0.8169	0.8279	0.8970	0.8702	0.8639	0.8521	-----	0.841	12.45	1.00	1.00	6.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4,4'-DDT	1	0	LinF	0.4193	0.2157	0.3315	0.3735	0.4351	0.4237	0.4197	0.4080	-----	0.378	12.56	0.999	1.00	20		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3,3'-Dichlorobenzidine	1	0	Qua	0.3866	0.2711	0.3600	0.3888	0.3905	0.3607	0.3462	0.3436	-----	0.356	13.13	0.997	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]anthracene	1	0	Avg	1.2940	1.3088	1.3383	1.2580	1.3182	1.2620	1.2465	1.2262	-----	1.28	13.16	0.999	1.00	3.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Chrysene	1	0	Avg	1.1734	1.2169	1.2193	1.1717	1.1875	1.1133	1.1023	1.0728	-----	1.16	13.20	0.998	1.00	4.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Ethylhexyl)phthal	1	0	Avg	1.2154	0.9946	1.1359	1.1688	1.2276	1.1735	1.1795	1.1362	-----	1.15	13.21	0.999	1.00	6.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-octylphthalate	1	0	Avg	2.4142	1.8989	2.2313	2.2629	2.5729	2.4159	2.4327	2.3133	-----	2.32	14.08	0.998	0.999	8.7	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[b]fluoranthene	1	0	Avg	1.4021	1.3428	1.3873	1.3537	1.4392	1.3539	1.3527	1.3725	-----	1.38	14.55	0.999	0.999	2.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[k]fluoranthene	1	0	Avg	1.3202	1.3670	1.3479	1.3143	1.3763	1.3219	1.3373	1.2339	-----	1.33	14.59	0.996	0.999	3.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]pyrene	1	0	Avg	1.3123	1.2934	1.3027	1.2539	1.3578	1.2876	1.2981	1.2591	-----	1.30	14.97	0.999	1.00	2.5	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Indeno[1,2,3-cd]pyrene	1	0	Avg	1.2279	1.1504	1.2422	1.1744	1.2646	1.2034	1.2372	1.2157	-----	1.21	16.47	1.00	1.00	3.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzo[a,h]anthracen	1	0	Avg	1.0559	1.0241	1.0487	0.9785	1.0620	1.0208	1.0511	1.0167	-----	1.03	16.51	0.999	0.999	2.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[g,h,i]perylene	1	0	Avg	1.0227	0.9500	1.0376	0.9513	1.0380	0.9915	1.0136	0.9992	-----	1.00	16.89	1.00	1.00	3.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Avg Rsd: 6.43

Flags
a - failed the spcc criteria — ** - ccc compound*
b - failed the ccc criteria — *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note:
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 9M45012.D **Instrument:** GCMS 9

Cont Calibration Date/Time 7/27/2012 9:07:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,4-Dichlorobenzene-d4	1	0	I	5.88	40.00	40				0.000	0.00	
1,4-Dioxane	1	0		2.68	50.92				0.647			
Pyridine	1	0		3.15	50.12	50			1.675	1.680	0.25	
N-Nitrosodimethylamine	1	0		3.08	51.35	50			0.965	0.991	2.70	
2-Fluorophenol	1	0	S	4.68	48.15	50			1.548	1.491	3.70	
Benzaldehyde	1	0		5.50	42.62	50			0.900	0.892	14.76	
Aniline	1	0		5.60	50.01	50			2.241	2.371	0.02	
Pentachloroethane	1	0		5.64	49.65	50			0.587	0.583	0.70	
bis(2-Chloroethyl)ether	1	0		5.65	47.53	50			1.540	1.464	4.93	
Phenol-d5	1	0	S	5.55	44.65	50			2.249	2.009	10.69	
Phenol	1	0	CC	5.57	48.86	50	20		2.224	2.173	2.29	
2-Chlorophenol	1	0		5.70	49.18	50			1.548	1.523	1.65	
N-Decane	1	0		5.74	47.55	50			1.580	1.503	4.91	
1,3-Dichlorobenzene	1	0		5.83	48.18	50			1.674	1.613	3.64	
1,4-Dichlorobenzene	1	0	CC	5.89	47.60	50	20		1.708	1.626	4.80	
1,2-Dichlorobenzene	1	0		6.02	48.86	50			1.610	1.574	2.28	
Benzyl alcohol	1	0		5.99	44.07	50			1.072	0.945	11.86	
bis(2-chloroisopropyl)ether	1	0		6.11	43.68	50			1.891	1.652	12.64	
2-Methylphenol	1	0		6.08	46.94	50			1.493	1.401	6.12	
Acetophenone	1	0		6.21	43.27	50			2.340	2.025	13.45	
Hexachloroethane	1	0		6.30	44.17	50			0.753	0.666	11.65	
N-Nitroso-di-n-propylamine	1	0	CP	6.21	43.19	50	0.05		1.252	1.082	13.62	
3&4-Methylphenol	1	0		6.21	44.98	50			1.573	1.416	10.03	
Naphthalene-d8	1	0	I	6.91	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	6.33	26.38	25			0.179	0.189	5.50	
Nitrobenzene	1	0		6.35	48.46	50			0.471	0.456	3.08	
Isophorone	1	0		6.54	48.68	50			0.853	0.831	2.63	
2-Nitrophenol	1	0	CC	6.60	50.66	50	20		0.196	0.220	1.32	
2,4-Dimethylphenol	1	0		6.63	48.09	50			0.469	0.451	3.81	
Benzoic Acid	1	0		6.70	39.79	50			0.317	0.280	20.41	
bis(2-Chloroethoxy)methane	1	0		6.70	48.97	50			0.494	0.484	2.06	
2,4-Dichlorophenol	1	0	CC	6.80	49.08	50	20		0.337	0.331	1.83	
1,2,4-Trichlorobenzene	1	0		6.87	50.52	50			0.374	0.378	1.03	
Naphthalene	1	0		6.93	51.06	50			1.166	1.191	2.13	
4-Chloroaniline	1	0		6.96	67.99	50			0.387	0.626	35.98	
Hexachlorobutadiene	1	0	CC	7.02	48.58	50	20		0.220	0.214	2.85	
Caprolactam	1	0		7.25	43.89	50			0.117	0.121	12.23	
4-Chloro-3-methylphenol	1	0	CC	7.34	48.50	50	20		0.412	0.400	2.99	
2-Methylnaphthalene	1	0		7.48	50.54	50			0.794	0.803	1.08	
Methylnaphthalenes	1	0		7.48	50.51	50	20			0.803	1.03	
1,1'-Biphenyl	1	0		7.86	46.92	50			0.975	0.915	6.17	
Acenaphthene-d10	1	0	I	8.37	40.00	40				0.000	0.00	
1,2,4,5-Tetrachlorobenzene	1	0		7.61	49.28	50			0.626	0.617	1.44	
Hexachlorocyclopentadiene	1	0	CP	7.61	44.84	50	0.05		0.339	0.324	10.32	
2,4,6-Trichlorophenol	1	0	CC	7.70	50.73	50	20		0.410	0.416	1.47	
2,4,5-Trichlorophenol	1	0		7.74	50.02	50			0.442	0.442	0.05	
2-Fluorobiphenyl	1	0	S	7.77	25.54	25			1.535	1.568	2.16	
2-Chloronaphthalene	1	0		7.89	47.48	50			1.267	1.204	5.03	
1,4-Dimethylnaphthalene	1	0		8.17	45.22	50			1.001	0.905	9.56	
Dimethylnaphthalenes	1	0		8.17	45.22	50	20			0.905	9.56	
Diphenyl Ether	1	0		7.95	49.50	50			0.854	0.846	1.01	
2-Nitroaniline	1	0		7.96	45.96	50			0.499	0.459	8.08	
Coumarin	1	0		8.15	47.79				0.509			
Acenaphthylene	1	0		8.25	49.89	50			1.982	1.978	0.22	
Dimethylphthalate	1	0		8.11	47.59	50			1.515	1.442	4.82	
2,6-Dinitrotoluene	1	0		8.16	47.04	50			0.319	0.300	5.92	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 9M45012.D **Instrument:** GCMS 9

Cont Calibration Date/Time 7/27/2012 9:07:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Acenaphthene	1	0	CC	8.40	48.11	50	20		1.299	1.250	3.79	
3-Nitroaniline	1	0		8.31	55.86	50			0.336	0.376	11.73	
2,4-Dinitrophenol	1	0	CP	8.41	56.60	50	0.05		0.130	0.167	13.21	
Dibenzofuran	1	0		8.56	48.16	50			1.818	1.751	3.67	
2,4-Dinitrotoluene	1	0		8.52	49.85	50			0.402	0.438	0.31	
4-Nitrophenol	1	0	CP	8.44	48.44	50	0.05		0.339	0.328	3.13	
2,3,4,6-Tetrachlorophenol	1	0		8.66	49.24	50			0.335	0.361	1.52	
Fluorene	1	0		8.88	49.93	50			1.535	1.532	0.14	
4-Chlorophenyl-phenylether	1	0		8.87	50.09	50			0.729	0.730	0.19	
Diethylphthalate	1	0		8.74	47.63	50			1.567	1.492	4.74	
4-Nitroaniline	1	0		8.88	53.33	50			0.373	0.397	6.66	
Atrazine	1	0		9.50	46.83	50			0.387	0.362	6.35	
Phenanthrene-d10	1	0	I	9.82	40.00	40				0.000	0.00	
4,6-Dinitro-2-methylphenol	1	0		8.91	61.30	50			0.104	0.131	22.60	
n-Nitrosodiphenylamine	1	0	CC	8.98	46.70	50	20		0.723	0.676	6.60	
2,4,6-Tribromophenol	1	0	S	9.11	52.16	50			0.077	0.087	4.31	
1,2-Diphenylhydrazine	1	0		9.02	45.74	50			0.987	0.903	8.53	
4-Bromophenyl-phenylether	1	0		9.35	48.96	50			0.222	0.217	2.09	
Hexachlorobenzene	1	0		9.42	50.18	50			0.209	0.209	0.36	
N-Octadecane	1	0		9.68	47.96	50			0.526	0.504	4.09	
Pentachlorophenol	1	0	CC	9.61	50.66	50	20		0.141	0.144	1.32	
Phenanthrene	1	0		9.85	46.78	50			1.220	1.142	6.44	
Anthracene	1	0		9.90	47.62	50			1.241	1.182	4.76	
Carbazole	1	0		10.07	51.81	50			1.191	1.234	3.62	
Di-n-butylphthalate	1	0		10.44	47.71	50			1.498	1.430	4.57	
Fluoranthene	1	0	CC	11.17	47.85	50	20		1.439	1.377	4.30	
Chrysene-d12	1	0	I	12.87	40.00	40				0.000	0.00	
Pyrene	1	0		11.43	46.82	50			1.468	1.375	6.35	
Benzidine	1	0		11.32	48.02	50			0.433	0.517	3.95	
Terphenyl-d14	1	0	S	11.61	23.01	25			0.865	0.796	7.98	
4,4'-DDE	1	0		11.55	44.42				0.290			
4,4'-DDD	1	0		11.95	46.18				0.499			
Butylbenzylphthalate	1	0		12.20	46.28	50			0.694	0.643	7.44	
4,4'-DDT	1	0		12.30	47.40				0.380			
3,3'-Dichlorobenzidine	1	0		12.83	51.24	50			0.320	0.380	2.47	
Benzo[a]anthracene	1	0		12.86	45.93	50			1.303	1.197	8.13	
Chrysene	1	0		12.90	45.84	50			1.174	1.076	8.32	
bis(2-Ethylhexyl)phthalate	1	0		12.90	45.99	50			0.926	0.851	8.01	
Perylene-d12	1	0	I	14.55	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	13.67	48.55	50	20		1.897	1.842	2.89	
Benzo[b]fluoranthene	1	0		14.12	49.69	50			1.370	1.362	0.62	
Benzo[k]fluoranthene	1	0		14.16	48.05	50			1.285	1.235	3.90	
Benzo[a]pyrene	1	0	CC	14.49	48.44	50	20		1.283	1.243	3.13	
Indeno[1,2,3-cd]pyrene	1	0		15.92	51.16	50			1.185	1.212	2.32	
Dibenzo[a,h]anthracene	1	0		15.94	51.53	50			0.948	0.977	3.05	
Benzo[g,h,i]perylene	1	0		16.31	53.08	50			0.956	1.015	6.17	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.794	0.000	100.00	
Endrin	1	100		0.00	0.00	50				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			1.001	0.000	100.00	
2,2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	
2,4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound 1 - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 9M45012.D **Instrument:** GCMS 9

Cont Calibration Date/Time 7/27/2012 9:07:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CALBNA@50PPM **Data File:** 7M55159.D **Instrument:** GCMS 7

Cont Calibration Date/Time 7/27/2012 9:33:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,4-Dichlorobenzene-d4	1	0	I	5.88	40.00	40				0.000	0.00	
1,4-Dioxane	1	0		2.68	40.48				0.786			
Pyridine	1	0		3.15	42.19	50			1.952	1.647	15.62	
N-Nitrosodimethylamine	1	0		3.09	43.17	50			1.139	0.983	13.66	
2-Fluorophenol	1	0	S	4.68	45.74	50			1.653	1.512	8.52	
Benzaldehyde	1	0		5.51	41.54	50			1.081	0.930	16.91	
Aniline	1	0		5.60	49.65	50			2.449	2.432	0.70	
Pentachloroethane	1	0		5.64	47.96	50			0.561	0.538	4.07	
bis(2-Chloroethyl)ether	1	0		5.65	46.73	50			1.795	1.678	6.53	
Phenol-d5	1	0	S	5.55	47.05	50			2.285	2.150	5.90	
Phenol	1	0	CC	5.56	50.32	50	20		2.386	2.401	0.65	
2-Chlorophenol	1	0		5.70	49.22	50			1.607	1.582	1.55	
N-Decane	1	0		5.73	46.06	50			1.884	1.735	7.88	
1,3-Dichlorobenzene	1	0		5.83	47.63	50			1.673	1.594	4.74	
1,4-Dichlorobenzene	1	0	CC	5.90	48.81	50	20		1.699	1.658	2.38	
1,2-Dichlorobenzene	1	0		6.02	48.99	50			1.595	1.562	2.03	
Benzyl alcohol	1	0		6.00	46.91	50			1.231	1.155	6.18	
bis(2-chloroisopropyl)ether	1	0		6.11	44.86	50			2.143	1.923	10.27	
2-Methylphenol	1	0		6.08	48.83	50			1.687	1.648	2.33	
Acetophenone	1	0		6.22	50.04	50			2.451	2.453	0.07	
Hexachloroethane	1	0		6.31	49.80	50			0.692	0.690	0.39	
N-Nitroso-di-n-propylamine	1	0	CP	6.22	48.80	50	0.05		1.379	1.346	2.40	
3&4-Methylphenol	1	0		6.21	48.64	50			1.772	1.724	2.72	
Naphthalene-d8	1	0	I	6.94	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	6.34	24.60	25			0.202	0.199	1.61	
Nitrobenzene	1	0		6.36	48.34	50			0.510	0.493	3.32	
Isophorone	1	0		6.55	47.19	50			0.907	0.856	5.61	
2-Nitrophenol	1	0	CC	6.62	53.05	50	20		0.208	0.220	6.10	
2,4-Dimethylphenol	1	0		6.64	47.60	50			0.483	0.460	4.81	
Benzoic Acid	1	0		6.71	55.24	50			0.306	0.352	10.48	
bis(2-Chloroethoxy)methane	1	0		6.72	47.86	50			0.553	0.529	4.28	
2,4-Dichlorophenol	1	0	CC	6.81	48.34	50	20		0.320	0.310	3.32	
1,2,4-Trichlorobenzene	1	0		6.88	48.65	50			0.349	0.340	2.69	
Naphthalene	1	0		6.95	48.03	50			1.214	1.166	3.94	
4-Chloroaniline	1	0		6.99	52.70	50			0.457	0.482	5.40	
Hexachlorobutadiene	1	0	CC	7.04	50.82	50	20		0.160	0.162	1.64	
Caprolactam	1	0		7.28	50.40	50			0.150	0.152	0.81	
4-Chloro-3-methylphenol	1	0	CC	7.38	50.78	50	20		0.411	0.417	1.57	
2-Methylnaphthalene	1	0		7.53	49.90	50			0.776	0.774	0.19	
Methylnaphthalenes	1	0		7.53	49.90	50	20			0.774	0.21	
1,1'-Biphenyl	1	0		7.93	49.75	50			0.947	0.942	0.50	
Acenaphthene-d10	1	0	I	8.45	40.00	40				0.000	0.00	
1,2,4,5-Tetrachlorobenzene	1	0		7.67	50.54	50			0.514	0.519	1.07	
Hexachlorocyclopentadiene	1	0	CP	7.65	51.80	50	0.05		0.231	0.255	3.61	
2,4,6-Trichlorophenol	1	0	CC	7.76	50.31	50	20		0.369	0.371	0.62	
2,4,5-Trichlorophenol	1	0		7.79	48.33	50			0.392	0.379	3.34	
2-Fluorobiphenyl	1	0	S	7.83	23.99	25			1.473	1.413	4.03	
2-Chloronaphthalene	1	0		7.95	46.79	50			1.349	1.229	6.41	
1,4-Dimethylnaphthalene	1	0		8.25	49.18	50			1.071	1.054	1.64	
Dimethylnaphthalenes	1	0		8.25	49.18	50	20			1.054	1.64	
Diphenyl Ether	1	0		8.02	48.97	50			0.857	0.839	2.07	
2-Nitroaniline	1	0		8.03	51.15	50			0.514	0.526	2.30	
Coumarin	1	0		8.23	47.20				0.564			
Acenaphthylene	1	0		8.33	48.61	50			2.038	1.982	2.77	
Dimethylphthalate	1	0		8.19	49.88	50			1.466	1.463	0.24	
2,6-Dinitrotoluene	1	0		8.25	51.77	50			0.324	0.335	3.55	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CALBNA@50PPM **Data File:** 7M55159.D **Instrument:** GCMS 7

Cont Calibration Date/Time 7/27/2012 9:33:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Acenaphthene	1	0	CC	8.48	48.20	50	20		1.329	1.281	3.61	
3-Nitroaniline	1	0		8.40	52.02	50			0.374	0.389	4.05	
2,4-Dinitrophenol	1	0	CP	8.49	65.89	50	0.05		0.147	0.198	31.78	
Dibenzofuran	1	0		8.64	47.65	50			1.799	1.714	4.71	
2,4-Dinitrotoluene	1	0		8.61	49.42	50			0.425	0.457	1.15	
4-Nitrophenol	1	0	CP	8.53	54.01	50	0.05		0.337	0.364	8.02	
2,3,4,6-Tetrachlorophenol	1	0		8.74	50.83	50			0.289	0.294	1.66	
Fluorene	1	0		8.96	49.09	50			1.488	1.461	1.82	
4-Chlorophenyl-phenylether	1	0		8.96	50.34	50			0.632	0.636	0.68	
Diethylphthalate	1	0		8.83	50.54	50			1.560	1.577	1.08	
4-Nitroaniline	1	0		8.97	49.11	50			0.418	0.411	1.77	
Atrazine	1	0		9.59	47.62	50			0.330	0.314	4.76	
Phenanthrene-d10	1	0	I	9.91	40.00	40				0.000	0.00	
4,6-Dinitro-2-methylphenol	1	0		8.99	62.35	50			0.112	0.145	24.70	
n-Nitrosodiphenylamine	1	0	CC	9.07	49.02	50	20		0.726	0.711	1.96	
2,4,6-Tribromophenol	1	0	S	9.20	51.71	50			0.062	0.064	3.42	
1,2-Diphenylhydrazine	1	0		9.11	49.51	50			1.106	1.096	0.98	
4-Bromophenyl-phenylether	1	0		9.44	50.52	50			0.173	0.175	1.03	
Hexachlorobenzene	1	0		9.50	50.13	50			0.162	0.163	0.25	
N-Octadecane	1	0		9.76	46.02	50			0.648	0.596	7.97	
Pentachlorophenol	1	0	CC	9.69	52.65	50	20		0.106	0.121	5.31	
Phenanthrene	1	0		9.93	48.98	50			1.172	1.148	2.05	
Anthracene	1	0		9.99	48.53	50			1.201	1.165	2.94	
Carbazole	1	0		10.15	47.61	50			1.160	1.104	4.77	
Di-n-butylphthalate	1	0		10.52	50.57	50			1.472	1.489	1.14	
Fluoranthene	1	0	CC	11.24	47.90	50	20		1.196	1.145	4.21	
Chrysene-d12	1	0	I	12.97	40.00	40				0.000	0.00	
Pyrene	1	0		11.50	48.86	50			1.540	1.505	2.27	
Benzidine	1	0		11.39	50.64	50			0.538	0.618	1.28	
Terphenyl-d14	1	0	S	11.69	24.45	25			0.895	0.875	2.18	
4,4'-DDE	1	0		11.62	51.22				0.280			
4,4'-DDD	1	0		12.02	51.30				0.490			
Butylbenzylphthalate	1	0		12.28	49.65	50			0.841	0.835	0.70	
4,4'-DDT	1	0		12.39	54.22				0.378			
3,3'-Dichlorobenzidine	1	0		12.93	49.31	50			0.356	0.381	1.39	
Benzo[a]anthracene	1	0		12.96	47.52	50			1.282	1.218	4.95	
Chrysene	1	0		13.01	48.28	50			1.157	1.117	3.44	
bis(2-Ethylhexyl)phthalate	1	0		13.00	49.00	50			1.154	1.131	2.01	
Perylene-d12	1	0	I	14.72	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	13.81	52.58	50	20		2.318	2.437	5.15	
Benzo[b]fluoranthene	1	0		14.27	50.40	50			1.376	1.387	0.80	
Benzo[k]fluoranthene	1	0		14.30	48.60	50			1.327	1.290	2.80	
Benzo[a]pyrene	1	0	CC	14.66	49.44	50	20		1.296	1.281	1.12	
Indeno[1,2,3-cd]pyrene	1	0		16.14	47.07	50			1.215	1.143	5.86	
Dibenzo[a,h]anthracene	1	0		16.16	46.50	50			1.032	0.960	7.00	
Benzo[g,h,i]perylene	1	0		16.54	46.84	50			1.001	0.937	6.31	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	
Endrin	1	100		0.00	0.00	50				0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.776	0.000	100.00	
2,4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	
2,2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CALBNA@50PPM **Data File:** 7M55159.D **Instrument:** GCMS 7

Cont Calibration Date/Time 7/27/2012 9:33:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			1.071	0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CALBNA@50PPM **Data File:** 7M55197.D **Instrument:** GCMS 7

Cont Calibration Date/Time 7/30/2012 11:24:00 Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,4-Dichlorobenzene-d4	1	0	I	5.87	40.00	40				0.000	0.00	
1,4-Dioxane	1	0		2.67	40.32				0.786			
Pyridine	1	0		3.14	41.45	50			1.952	1.618	17.10	
N-Nitrosodimethylamine	1	0		3.08	42.50	50			1.139	0.968	15.01	
2-Fluorophenol	1	0	S	4.67	46.18	50			1.653	1.527	7.65	
Benzaldehyde	1	0		5.50	39.91	50			1.081	0.903	20.18	
Aniline	1	0		5.59	48.56	50			2.449	2.378	2.89	
Pentachloroethane	1	0		5.63	47.95	50			0.561	0.538	4.10	
bis(2-Chloroethyl)ether	1	0		5.65	46.80	50			1.795	1.680	6.39	
Phenol-d5	1	0	S	5.55	45.34	50			2.285	2.072	9.31	
Phenol	1	0	CC	5.56	49.48	50	20		2.386	2.361	1.03	
2-Chlorophenol	1	0		5.69	47.58	50			1.607	1.529	4.84	
N-Decane	1	0		5.73	46.96	50			1.884	1.769	6.07	
1,3-Dichlorobenzene	1	0		5.82	47.18	50			1.673	1.579	5.64	
1,4-Dichlorobenzene	1	0	CC	5.89	47.30	50	20		1.699	1.607	5.40	
1,2-Dichlorobenzene	1	0		6.01	46.90	50			1.595	1.496	6.20	
Benzyl alcohol	1	0		5.99	46.27	50			1.231	1.139	7.46	
bis(2-chloroisopropyl)ether	1	0		6.10	46.17	50			2.143	1.979	7.66	
2-Methylphenol	1	0		6.08	46.32	50			1.687	1.563	7.36	
Acetophenone	1	0		6.21	49.82	50			2.451	2.442	0.37	
Hexachloroethane	1	0		6.30	50.47	50			0.692	0.699	0.93	
N-Nitroso-di-n-propylamine	1	0	CP	6.21	49.28	50	0.05		1.379	1.359	1.43	
3&4-Methylphenol	1	0		6.20	47.20	50			1.772	1.673	5.60	
Naphthalene-d8	1	0	I	6.92	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	6.33	24.98	25			0.202	0.202	0.08	
Nitrobenzene	1	0		6.35	47.98	50			0.510	0.489	4.04	
Isophorone	1	0		6.54	47.97	50			0.907	0.870	4.05	
2-Nitrophenol	1	0	CC	6.61	54.79	50	20		0.208	0.228	9.59	
2,4-Dimethylphenol	1	0		6.63	49.21	50			0.483	0.475	1.58	
Benzoic Acid	1	0		6.70	41.11	50			0.306	0.256	17.78	
bis(2-Chloroethoxy)methane	1	0		6.71	47.31	50			0.553	0.523	5.38	
2,4-Dichlorophenol	1	0	CC	6.80	49.22	50	20		0.320	0.315	1.55	
1,2,4-Trichlorobenzene	1	0		6.87	49.81	50			0.349	0.348	0.39	
Naphthalene	1	0		6.94	47.21	50			1.214	1.147	5.58	
4-Chloroaniline	1	0		6.97	51.80	50			0.457	0.474	3.59	
Hexachlorobutadiene	1	0	CC	7.02	51.98	50	20		0.160	0.166	3.97	
Caprolactam	1	0		7.26	46.36	50			0.150	0.139	7.28	
4-Chloro-3-methylphenol	1	0	CC	7.35	50.39	50	20		0.411	0.414	0.79	
2-Methylnaphthalene	1	0		7.54	45.71	50			0.776	0.709	8.58	
Methylnaphthalenes	1	0		7.54	45.71	50	20			0.709	8.57	
1,1'-Biphenyl	1	0		7.94	49.21	50			0.947	0.932	1.58	
Acenaphthene-d10	1	0	I	8.48	40.00	40				0.000	0.00	
1,2,4,5-Tetrachlorobenzene	1	0		7.67	50.39	50			0.514	0.518	0.77	
Hexachlorocyclopentadiene	1	0	CP	7.66	45.62	50	0.05		0.231	0.224	8.76	
2,4,6-Trichlorophenol	1	0	CC	7.77	51.40	50	20		0.369	0.379	2.81	
2,4,5-Trichlorophenol	1	0		7.81	50.40	50			0.392	0.395	0.81	
2-Fluorobiphenyl	1	0	S	7.85	24.57	25			1.473	1.448	1.72	
2-Chloronaphthalene	1	0		7.97	45.73	50			1.349	1.202	8.54	
1,4-Dimethylnaphthalene	1	0		8.27	49.24	50			1.071	1.055	1.53	
Dimethylnaphthalenes	1	0		8.27	49.24	50	20			1.055	1.53	
Diphenyl Ether	1	0		8.04	48.42	50			0.857	0.830	3.17	
2-Nitroaniline	1	0		8.05	53.59	50			0.514	0.551	7.17	
Coumarin	1	0		8.25	47.45				0.564			
Acenaphthylene	1	0		8.35	49.18	50			2.038	2.005	1.63	
Dimethylphthalate	1	0		8.21	50.38	50			1.466	1.477	0.76	
2,6-Dinitrotoluene	1	0		8.28	54.37	50			0.324	0.352	8.73	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CALBNA@50PPM **Data File:** 7M55197.D **Instrument:** GCMS 7

Cont Calibration Date/Time 7/30/2012 11:24:00 Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Acenaphthene	1	0	CC	8.51	49.46	50	20		1.329	1.314	1.08	
3-Nitroaniline	1	0		8.43	52.38	50			0.374	0.391	4.76	
2,4-Dinitrophenol	1	0	CP	8.52	69.00	50	0.05		0.147	0.208	37.99	
Dibenzofuran	1	0		8.67	48.05	50			1.799	1.729	3.90	
2,4-Dinitrotoluene	1	0		8.64	49.73	50			0.425	0.460	0.54	
4-Nitrophenol	1	0	CP	8.57	56.12	50	0.05		0.337	0.378	12.25	
2,3,4,6-Tetrachlorophenol	1	0		8.78	50.73	50			0.289	0.293	1.45	
Fluorene	1	0		9.00	49.48	50			1.488	1.473	1.05	
4-Chlorophenyl-phenylether	1	0		8.99	50.35	50			0.632	0.636	0.71	
Diethylphthalate	1	0		8.87	51.10	50			1.560	1.595	2.19	
4-Nitroaniline	1	0		9.01	49.56	50			0.418	0.414	0.89	
Atrazine	1	0		9.62	48.98	50			0.330	0.323	2.03	
Phenanthrene-d10	1	0	I	9.94	40.00	40				0.000	0.00	
4,6-Dinitro-2-methylphenol	1	0		9.03	60.93	50			0.112	0.142	21.85	
n-Nitrosodiphenylamine	1	0	CC	9.10	48.38	50	20		0.726	0.702	3.25	
2,4,6-Tribromophenol	1	0	S	9.23	53.86	50			0.062	0.067	7.71	
1,2-Diphenylhydrazine	1	0		9.14	46.36	50			1.106	1.026	7.29	
4-Bromophenyl-phenylether	1	0		9.47	50.24	50			0.173	0.174	0.48	
Hexachlorobenzene	1	0		9.54	50.47	50			0.162	0.164	0.93	
N-Octadecane	1	0		9.79	47.94	50			0.648	0.621	4.12	
Pentachlorophenol	1	0	CC	9.73	51.35	50	20		0.106	0.118	2.70	
Phenanthrene	1	0		9.97	48.13	50			1.172	1.128	3.73	
Anthracene	1	0		10.01	48.57	50			1.201	1.166	2.85	
Carbazole	1	0		10.18	46.86	50			1.160	1.087	6.27	
Di-n-butylphthalate	1	0		10.54	50.43	50			1.472	1.484	0.85	
Fluoranthene	1	0	CC	11.25	47.76	50	20		1.196	1.142	4.48	
Chrysene-d12	1	0	I	12.93	40.00	40				0.000	0.00	
Pyrene	1	0		11.51	50.65	50			1.540	1.560	1.30	
Benzidine	1	0		11.40	52.82	50			0.538	0.642	5.64	
Terphenyl-d14	1	0	S	11.68	25.28	25			0.895	0.905	1.14	
4,4'-DDE	1	0		11.62	55.19				0.280			
4,4'-DDD	1	0		12.01	52.58				0.490			
Butylbenzylphthalate	1	0		12.26	49.96	50			0.841	0.840	0.08	
4,4'-DDT	1	0		12.36	54.09				0.378			
3,3'-Dichlorobenzidine	1	0		12.88	51.11	50			0.356	0.394	2.22	
Benzo[a]anthracene	1	0		12.91	48.51	50			1.282	1.243	2.98	
Chrysene	1	0		12.96	48.25	50			1.157	1.117	3.51	
bis(2-Ethylhexyl)phthalate	1	0		12.94	47.97	50			1.154	1.107	4.07	
Perylene-d12	1	0	I	14.62	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	13.73	50.28	50	20		2.318	2.331	0.57	
Benzo[b]fluoranthene	1	0		14.18	49.48	50			1.376	1.361	1.04	
Benzo[k]fluoranthene	1	0		14.21	50.41	50			1.327	1.338	0.82	
Benzo[a]pyrene	1	0	CC	14.56	50.03	50	20		1.296	1.296	0.06	
Indeno[1,2,3-cd]pyrene	1	0		16.02	46.86	50			1.215	1.138	6.28	
Dibenzo[a,h]anthracene	1	0		16.04	45.89	50			1.032	0.947	8.22	
Benzo[g,h,i]perylene	1	0		16.42	45.78	50			1.001	0.916	8.45	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.776	0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
2,2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Endrin	1	100		0.00	0.00	50				0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	
2,4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CALBNA@50PPM **Data File:** 7M55197.D **Instrument:** GCMS 7

Cont Calibration Date/Time 7/30/2012 11:24:00 Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			1.071	0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 9M45060.D **Instrument:** GCMS 9

Cont Calibration Date/Time 7/31/2012 8:52:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,4-Dichlorobenzene-d4	1	0	I	5.88	40.00	40				0.000	0.00	
1,4-Dioxane	1	0		2.68	53.07				0.647			
Pyridine	1	0		3.15	53.45	50			1.675	1.791	6.90	
N-Nitrosodimethylamine	1	0		3.08	53.00	50			0.965	1.023	6.00	
2-Fluorophenol	1	0	S	4.68	49.57	50			1.548	1.535	0.86	
Benzaldehyde	1	0		5.50	37.49	50			0.900	0.801	25.03	
Aniline	1	0		5.59	48.66	50			2.241	2.307	2.68	
Pentachloroethane	1	0		5.64	46.97	50			0.587	0.552	6.05	
bis(2-Chloroethyl)ether	1	0		5.65	46.33	50			1.540	1.427	7.34	
Phenol-d5	1	0	S	5.56	47.74	50			2.249	2.148	4.51	
Phenol	1	0	CC	5.57	54.01	50	20		2.224	2.402	8.02	
2-Chlorophenol	1	0		5.70	50.61	50			1.548	1.567	1.22	
N-Decane	1	0		5.74	47.82	50			1.580	1.512	4.36	
1,3-Dichlorobenzene	1	0		5.83	50.09	50			1.674	1.677	0.19	
1,4-Dichlorobenzene	1	0	CC	5.89	48.84	50	20		1.708	1.669	2.32	
1,2-Dichlorobenzene	1	0		6.01	49.67	50			1.610	1.600	0.66	
Benzyl alcohol	1	0		5.99	46.45	50			1.072	0.996	7.09	
bis(2-chloroisopropyl)ether	1	0		6.10	47.37	50			1.891	1.791	5.27	
2-Methylphenol	1	0		6.08	48.32	50			1.493	1.442	3.37	
Acetophenone	1	0		6.21	45.75	50			2.340	2.141	8.50	
Hexachloroethane	1	0		6.29	44.76	50			0.753	0.674	10.48	
N-Nitroso-di-n-propylamine	1	0	CP	6.20	46.08	50	0.05		1.252	1.154	7.84	
3&4-Methylphenol	1	0		6.20	46.93	50			1.573	1.477	6.14	
Naphthalene-d8	1	0	I	6.89	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	6.33	27.25	25			0.179	0.195	9.01	
Nitrobenzene	1	0		6.34	49.87	50			0.471	0.469	0.26	
Isophorone	1	0		6.53	51.79	50			0.853	0.884	3.58	
2-Nitrophenol	1	0	CC	6.59	51.05	50	20		0.196	0.222	2.10	
2,4-Dimethylphenol	1	0		6.62	53.49	50			0.469	0.502	6.99	
Benzoic Acid	1	0		6.70	43.47	50			0.317	0.307	13.06	
bis(2-Chloroethoxy)methane	1	0		6.69	48.46	50			0.494	0.479	3.07	
2,4-Dichlorophenol	1	0	CC	6.78	55.59	50	20		0.337	0.374	11.18	
1,2,4-Trichlorobenzene	1	0		6.84	50.62	50			0.374	0.379	1.25	
Naphthalene	1	0		6.91	49.45	50			1.166	1.153	1.10	
4-Chloroaniline	1	0		6.94	48.25	50			0.387	0.465	3.50	
Hexachlorobutadiene	1	0	CC	7.00	46.84	50	20		0.220	0.206	6.33	
Caprolactam	1	0		7.22	45.13	50			0.117	0.124	9.75	
4-Chloro-3-methylphenol	1	0	CC	7.31	55.73	50	20		0.412	0.459	11.46	
2-Methylnaphthalene	1	0		7.45	52.72	50			0.794	0.837	5.43	
Methylnaphthalenes	1	0		7.45	52.69	50	20			0.837	5.38	
1,1'-Biphenyl	1	0		7.82	49.31	50			0.975	0.962	1.38	
Acenaphthene-d10	1	0	I	8.33	40.00	40				0.000	0.00	
1,2,4,5-Tetrachlorobenzene	1	0		7.58	49.16	50			0.626	0.616	1.67	
Hexachlorocyclopentadiene	1	0	CP	7.57	37.70	50	0.05		0.339	0.272	24.60	
2,4,6-Trichlorophenol	1	0	CC	7.67	55.59	50	20		0.410	0.456	11.19	
2,4,5-Trichlorophenol	1	0		7.71	47.92	50			0.442	0.423	4.17	
2-Fluorobiphenyl	1	0	S	7.74	25.50	25			1.535	1.566	2.00	
2-Chloronaphthalene	1	0		7.85	48.03	50			1.267	1.217	3.95	
1,4-Dimethylnaphthalene	1	0		8.13	46.66	50			1.001	0.934	6.69	
Dimethylnaphthalenes	1	0		8.13	46.66	50	20			0.934	6.69	
Diphenyl Ether	1	0		7.91	51.35	50			0.854	0.877	2.69	
2-Nitroaniline	1	0		7.92	48.83	50			0.499	0.488	2.33	
Coumarin	1	0		8.11	47.65				0.509			
Acenaphthylene	1	0		8.21	48.48	50			1.982	1.922	3.05	
Dimethylphthalate	1	0		8.07	48.93	50			1.515	1.482	2.14	
2,6-Dinitrotoluene	1	0		8.13	48.42	50			0.319	0.308	3.17	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 9M45060.D **Instrument:** GCMS 9

Cont Calibration Date/Time 7/31/2012 8:52:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Acenaphthene	1	0	CC	8.36	47.62	50	20		1.299	1.237	4.77	
3-Nitroaniline	1	0		8.28	56.58	50			0.336	0.381	13.16	
2,4-Dinitrophenol	1	0	CP	8.37	52.83	50	0.05		0.130	0.155	5.66	
Dibenzofuran	1	0		8.52	49.20	50			1.818	1.789	1.61	
2,4-Dinitrotoluene	1	0		8.49	47.62	50			0.402	0.418	4.76	
4-Nitrophenol	1	0	CP	8.41	49.52	50	0.05		0.339	0.335	0.97	
2,3,4,6-Tetrachlorophenol	1	0		8.63	46.80	50			0.335	0.343	6.39	
Fluorene	1	0		8.84	47.72	50			1.535	1.465	4.56	
4-Chlorophenyl-phenylether	1	0		8.83	47.02	50			0.729	0.685	5.97	
Diethylphthalate	1	0		8.71	46.79	50			1.567	1.466	6.41	
4-Nitroaniline	1	0		8.84	49.40	50			0.373	0.368	1.19	
Atrazine	1	0		9.47	41.69	50			0.387	0.323	16.63	
Phenanthrene-d10	1	0	I	9.80	40.00	40				0.000	0.00	
4,6-Dinitro-2-methylphenol	1	0		8.87	62.47	50			0.104	0.133	24.94	
n-Nitrosodiphenylamine	1	0	CC	8.94	48.89	50	20		0.723	0.707	2.21	
2,4,6-Tribromophenol	1	0	S	9.07	49.40	50			0.077	0.082	1.19	
1,2-Diphenylhydrazine	1	0		8.98	45.55	50			0.987	0.899	8.89	
4-Bromophenyl-phenylether	1	0		9.32	47.18	50			0.222	0.209	5.65	
Hexachlorobenzene	1	0		9.39	48.42	50			0.209	0.202	3.16	
N-Octadecane	1	0		9.65	49.14	50			0.526	0.517	1.72	
Pentachlorophenol	1	0	CC	9.59	53.29	50	20		0.141	0.152	6.57	
Phenanthrene	1	0		9.82	47.50	50			1.220	1.159	5.00	
Anthracene	1	0		9.88	46.81	50			1.241	1.162	6.37	
Carbazole	1	0		10.04	46.29	50			1.191	1.102	7.43	
Di-n-butylphthalate	1	0		10.42	49.00	50			1.498	1.468	2.00	
Fluoranthene	1	0	CC	11.15	45.48	50	20		1.439	1.309	9.04	
Chrysene-d12	1	0	I	12.86	40.00	40				0.000	0.00	
Pyrene	1	0		11.42	51.91	50			1.468	1.524	3.82	
Benzidine	1	0		11.30	56.75	50			0.433	0.597	13.50	
Terphenyl-d14	1	0	S	11.60	25.03	25			0.865	0.866	0.10	
4,4'-DDE	1	0		11.53	51.45				0.290			
4,4'-DDD	1	0		11.94	49.16				0.499			
Butylbenzylphthalate	1	0		12.19	49.03	50			0.694	0.681	1.94	
4,4'-DDT	1	0		12.29	56.91				0.380			
3,3'-Dichlorobenzidine	1	0		12.81	60.09	50			0.320	0.438	20.18	
Benzo[a]anthracene	1	0		12.85	49.28	50			1.303	1.284	1.45	
Chrysene	1	0		12.89	48.54	50			1.174	1.139	2.91	
bis(2-Ethylhexyl)phthalate	1	0		12.88	48.97	50			0.926	0.907	2.06	
Perylene-d12	1	0	I	14.52	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	13.65	49.63	50	20		1.897	1.883	0.74	
Benzo[b]fluoranthene	1	0		14.09	48.52	50			1.370	1.329	2.97	
Benzo[k]fluoranthene	1	0		14.12	51.46	50			1.285	1.323	2.92	
Benzo[a]pyrene	1	0	CC	14.46	49.73	50	20		1.283	1.276	0.54	
Indeno[1,2,3-cd]pyrene	1	0		15.87	51.22	50			1.185	1.214	2.44	
Dibenzo[a,h]anthracene	1	0		15.89	52.46	50			0.948	0.995	4.92	
Benzo[g,h,i]perylene	1	0		16.26	52.42	50			0.956	1.002	4.85	
2,2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.794	0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Endrin	1	100		0.00	0.00	50				0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	
2,4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 9M45060.D **Instrument:** GCMS 9

Cont Calibration Date/Time 7/31/2012 8:52:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			1.001	0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CALBNA@50PPM **Data File:** 7M55205.D **Instrument:** GCMS 7

Cont Calibration Date/Time 7/31/2012 9:15:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,4-Dichlorobenzene-d4	1	0	I	5.87	40.00	40				0.000	0.00	
1,4-Dioxane	1	0		2.67	38.43				0.786			
Pyridine	1	0		3.14	39.71	50			1.952	1.550	20.58	
N-Nitrosodimethylamine	1	0		3.08	41.40	50			1.139	0.943	17.19	
2-Fluorophenol	1	0	S	4.67	45.13	50			1.653	1.492	9.74	
Benzaldehyde	1	0		5.49	42.36	50			1.081	0.943	15.27	
Aniline	1	0		5.59	50.47	50			2.449	2.472	0.93	
Pentachloroethane	1	0		5.63	48.26	50			0.561	0.542	3.47	
bis(2-Chloroethyl)ether	1	0		5.64	46.36	50			1.795	1.665	7.28	
Phenol-d5	1	0	S	5.55	45.65	50			2.285	2.086	8.69	
Phenol	1	0	CC	5.56	49.20	50	20		2.386	2.348	1.59	
2-Chlorophenol	1	0		5.69	48.12	50			1.607	1.546	3.75	
N-Decane	1	0		5.72	46.07	50			1.884	1.736	7.85	
1,3-Dichlorobenzene	1	0		5.81	47.22	50			1.673	1.580	5.55	
1,4-Dichlorobenzene	1	0	CC	5.88	46.86	50	20		1.699	1.592	6.29	
1,2-Dichlorobenzene	1	0		6.00	47.67	50			1.595	1.520	4.66	
Benzyl alcohol	1	0		5.98	47.08	50			1.231	1.159	5.83	
bis(2-chloroisopropyl)ether	1	0		6.09	46.65	50			2.143	1.999	6.71	
2-Methylphenol	1	0		6.07	46.89	50			1.687	1.582	6.22	
Acetophenone	1	0		6.19	50.40	50			2.451	2.471	0.80	
Hexachloroethane	1	0		6.28	51.12	50			0.692	0.708	2.24	
N-Nitroso-di-n-propylamine	1	0	CP	6.19	50.65	50	0.05		1.379	1.397	1.30	
3&4-Methylphenol	1	0		6.19	47.87	50			1.772	1.696	4.27	
Naphthalene-d8	1	0	I	6.89	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	6.32	24.58	25			0.202	0.199	1.66	
Nitrobenzene	1	0		6.33	49.45	50			0.510	0.504	1.09	
Isophorone	1	0		6.52	48.50	50			0.907	0.880	3.00	
2-Nitrophenol	1	0	CC	6.58	53.26	50	20		0.208	0.221	6.51	
2,4-Dimethylphenol	1	0		6.61	50.52	50			0.483	0.488	1.03	
Benzoic Acid	1	0		6.68	46.83	50			0.306	0.294	6.34	
bis(2-Chloroethoxy)methane	1	0		6.69	47.43	50			0.553	0.525	5.13	
2,4-Dichlorophenol	1	0	CC	6.77	49.79	50	20		0.320	0.319	0.42	
1,2,4-Trichlorobenzene	1	0		6.84	49.48	50			0.349	0.346	1.04	
Naphthalene	1	0		6.90	47.98	50			1.214	1.165	4.05	
4-Chloroaniline	1	0		6.94	53.22	50			0.457	0.487	6.45	
Hexachlorobutadiene	1	0	CC	6.99	54.27	50	20		0.160	0.174	8.54	
Caprolactam	1	0		7.21	46.65	50			0.150	0.140	6.70	
4-Chloro-3-methylphenol	1	0	CC	7.31	52.97	50	20		0.411	0.435	5.93	
2-Methylnaphthalene	1	0		7.45	49.10	50			0.776	0.762	1.81	
Methylnaphthalenes	1	0		7.45	49.11	50	20			0.762	1.78	
1,1'-Biphenyl	1	0		7.83	49.06	50			0.947	0.929	1.89	
Acenaphthene-d10	1	0	I	8.34	40.00	40				0.000	0.00	
1,2,4,5-Tetrachlorobenzene	1	0		7.58	49.04	50			0.514	0.504	1.92	
Hexachlorocyclopentadiene	1	0	CP	7.57	47.45	50	0.05		0.231	0.233	5.10	
2,4,6-Trichlorophenol	1	0	CC	7.67	51.44	50	20		0.369	0.380	2.87	
2,4,5-Trichlorophenol	1	0		7.71	49.78	50			0.392	0.390	0.43	
2-Fluorobiphenyl	1	0	S	7.74	24.24	25			1.473	1.428	3.05	
2-Chloronaphthalene	1	0		7.86	45.98	50			1.349	1.208	8.03	
1,4-Dimethylnaphthalene	1	0		8.14	48.99	50			1.071	1.049	2.02	
Dimethylnaphthalenes	1	0		8.14	48.99	50	20			1.049	2.02	
Diphenyl Ether	1	0		7.91	47.84	50			0.857	0.820	4.32	
2-Nitroaniline	1	0		7.93	54.16	50			0.514	0.557	8.32	
Coumarin	1	0		8.12	47.80				0.564			
Acenaphthylene	1	0		8.22	47.89	50			2.038	1.952	4.22	
Dimethylphthalate	1	0		8.07	49.49	50			1.466	1.451	1.02	
2,6-Dinitrotoluene	1	0		8.14	52.79	50			0.324	0.342	5.58	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/Q - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CALBNA@50PPM **Data File:** 7M55205.D **Instrument:** GCMS 7

Cont Calibration Date/Time 7/31/2012 9:15:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Acenaphthene	1	0	CC	8.37	48.34	50	20		1.329	1.285	3.32	
3-Nitroaniline	1	0		8.29	54.56	50			0.374	0.408	9.11	
2,4-Dinitrophenol	1	0	CP	8.38	71.33	50	0.05		0.147	0.216	42.66	
Dibenzofuran	1	0		8.53	47.73	50			1.799	1.717	4.55	
2,4-Dinitrotoluene	1	0		8.50	49.53	50			0.425	0.458	0.93	
4-Nitrophenol	1	0	CP	8.42	57.81	50	0.05		0.337	0.389	15.62	
2,3,4,6-Tetrachlorophenol	1	0		8.63	51.23	50			0.289	0.296	2.46	
Fluorene	1	0		8.85	49.16	50			1.488	1.463	1.69	
4-Chlorophenyl-phenylether	1	0		8.84	50.14	50			0.632	0.633	0.29	
Diethylphthalate	1	0		8.72	51.56	50			1.560	1.609	3.12	
4-Nitroaniline	1	0		8.86	50.92	50			0.418	0.426	1.85	
Atrazine	1	0		9.49	46.57	50			0.330	0.308	6.86	
Phenanthrene-d10	1	0	I	9.81	40.00	40				0.000	0.00	
4,6-Dinitro-2-methylphenol	1	0		8.89	64.57	50			0.112	0.151	29.15	
n-Nitrosodiphenylamine	1	0	CC	8.96	48.71	50	20		0.726	0.707	2.58	
2,4,6-Tribromophenol	1	0	S	9.09	53.56	50			0.062	0.067	7.11	
1,2-Diphenylhydrazine	1	0		9.00	51.39	50			1.106	1.137	2.79	
4-Bromophenyl-phenylether	1	0		9.34	50.38	50			0.173	0.174	0.76	
Hexachlorobenzene	1	0		9.39	50.75	50			0.162	0.165	1.49	
N-Octadecane	1	0		9.66	47.94	50			0.648	0.621	4.12	
Pentachlorophenol	1	0	CC	9.60	51.28	50	20		0.106	0.117	2.57	
Phenanthrene	1	0		9.84	48.16	50			1.172	1.129	3.68	
Anthracene	1	0		9.90	48.57	50			1.201	1.166	2.85	
Carbazole	1	0		10.07	48.08	50			1.160	1.115	3.84	
Di-n-butylphthalate	1	0		10.44	50.86	50			1.472	1.497	1.71	
Fluoranthene	1	0	CC	11.17	48.77	50	20		1.196	1.166	2.46	
Chrysene-d12	1	0	I	12.90	40.00	40				0.000	0.00	
Pyrene	1	0		11.44	50.12	50			1.540	1.544	0.24	
Benzidine	1	0		11.33	44.76	50			0.538	0.552	10.49	
Terphenyl-d14	1	0	S	11.62	25.20	25			0.895	0.902	0.82	
4,4'-DDE	1	0		11.56	54.35				0.280			
4,4'-DDD	1	0		11.96	53.96				0.490			
Butylbenzylphthalate	1	0		12.22	47.98	50			0.841	0.807	4.05	
4,4'-DDT	1	0		12.32	55.68				0.378			
3,3'-Dichlorobenzidine	1	0		12.86	48.40	50			0.356	0.374	3.21	
Benzo[a]anthracene	1	0		12.89	49.68	50			1.282	1.273	0.65	
Chrysene	1	0		12.94	47.57	50			1.157	1.101	4.85	
bis(2-Ethylhexyl)phthalate	1	0		12.93	46.53	50			1.154	1.074	6.93	
Perylene-d12	1	0	I	14.62	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	13.72	50.10	50	20		2.318	2.322	0.19	
Benzo[b]fluoranthene	1	0		14.18	51.29	50			1.376	1.411	2.58	
Benzo[k]fluoranthene	1	0		14.21	50.15	50			1.327	1.331	0.30	
Benzo[a]pyrene	1	0	CC	14.56	49.04	50	20		1.296	1.271	1.93	
Indeno[1,2,3-cd]pyrene	1	0		16.02	47.95	50			1.215	1.165	4.09	
Dibenzo[a,h]anthracene	1	0		16.05	47.35	50			1.032	0.978	5.30	
Benzo[g,h,i]perylene	1	0		16.43	47.23	50			1.001	0.945	5.54	
2,2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.776	0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Endrin	1	100		0.00	0.00	50				0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	
2,4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CALBNA@50PPM **Data File:** 7M55205.D **Instrument:** GCMS 7

Cont Calibration Date/Time 7/31/2012 9:15:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			1.071	0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

FORM8

Internal Standard Areas

Evaluation Std Data File: 9M44773.D Method: EPA 8270C

Analysis Date/Time: 07/17/12 12:35

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	112861	5.89	438292	6.93	247649	8.38	446947	9.84	434707	12.88	355493	14.53
Eval File Area Limit:	56430-225722		219146-876584		123824-495298		223474-893894		217354-869414		177746-710986	
Eval File Rt Limit:	5.39-6.39		6.43-7.43		7.88-8.88		9.34-10.34		12.38-13.38		14.03-15.03	

Data File	Sample												
9M44765.D	CAL BNA@1C	76286	5.89	297322	6.92	172879	8.36	317739	9.82	327601	12.87	275113	14.51
9M44766.D	CAL BNA@2F	70495	5.89	283574	6.92	163850	8.36	284707	9.82	312446	12.87	246816	14.53
9M44767.D	CAL BNA@.5	70065	5.89	266646	6.92	162702	8.36	290554	9.82	298620	12.87	252232	14.50
9M44768.D	CAL BNA@1S	80060	5.89	291018	6.92	190611	8.37	328788	9.83	296910	12.88	247692	14.51
9M44769.D	CAL BNA@16	67622	5.89	263181	6.92	161247	8.37	278791	9.83	271491	12.88	227754	14.52
9M44770.D	CAL BNA@12	69038	5.89	266022	6.92	159773	8.38	293795	9.84	283574	12.88	233643	14.53
9M44771.D	CAL BNA@8C	69667	5.89	270867	6.92	158690	8.36	285555	9.83	275793	12.87	235418	14.52
9M44772.D	CAL BNA@2C	73805	5.89	291441	6.92	170461	8.36	296528	9.83	313639	12.87	250671	14.50
9M44773.D	CAL BNA@5C	112861	5.89	438292	6.93	247649	8.38	446947	9.84	434707	12.88	355493	14.53
9M44774.D	ICV BNA@50	78031	5.89	298161	6.93	179978	8.38	318200	9.84	319899	12.88	254718	14.54

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	624/8260 Internal Standard concentration = 30ug/L
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 7M55107.D Method: EPA 8270C

Analysis Date/Time: 07/24/12 17:10

Lab File ID: CALBNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	108137	5.88	402391	6.91	230001	8.36	400597	9.84	316848	12.91	263913	14.60
Eval File Area Limit:	54068-216274		201196-804782		115000-460002		200298-801194		158424-633696		131956-527826	
Eval File Rt Limit:	5.38-6.38		6.41-7.41		7.86-8.86		9.34-10.34		12.41-13.41		14.1-15.1	

Data File	Sample												
7M55099.D	CALBNA@10	91790	5.89	342565	6.95	191762	8.46	333579	9.91	266586	13.08	225102	14.92
7M55100.D	CALBNA@2P	97343	5.89	378730	6.94	216769	8.47	369805	9.93	303168	12.97	254367	14.73
7M55101.D	CALBNA@.5F	108365	5.88	423126	6.94	238411	8.46	416318	9.93	340184	13.05	285670	14.86
7M55102.D	CALBNA@19	95070	5.89	362988	6.94	204609	8.44	366942	9.90	289960	13.00	238386	14.77
7M55103.D	CALBNA@16	103096	5.89	393331	6.95	219067	8.47	378616	9.93	290217	12.96	233323	14.71
7M55104.D	CALBNA@12	96474	5.89	372886	6.94	212262	8.45	360748	9.91	296146	12.97	244780	14.74
7M55105.D	CALBNA@80	96230	5.88	375156	6.92	212028	8.38	367208	9.85	297382	12.94	242495	14.67
7M55106.D	CALBNA@20	100609	5.88	383594	6.93	220854	8.40	380526	9.86	314018	12.92	260975	14.64
7M55107.D	CALBNA@50	108137	5.88	402391	6.91	230001	8.36	400597	9.84	316848	12.91	263913	14.60
7M55108.D	ICVBNA@50F	110275	5.88	430359	6.91	247560	8.37	436524	9.84	345776	12.91	283154	14.61

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 9M45012.D Method: EPA 8270C

Analysis Date/Time: 07/27/12 09:07

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	76740	5.88	277170	6.91	158243	8.37	287977	9.82	303687	12.87	255155	14.55
Eval File Area Limit:	38370-153480		138585-554340		79122-316486		143988-575954		151844-607374		127578-510310	
Eval File Rt Limit:	5.38-6.38		6.41-7.41		7.87-8.87		9.32-10.32		12.37-13.37		14.05-15.05	

Data File	Sample												
9M45013.D	SMB14940	111735	5.88	419939	6.90	233903	8.35	396931	9.81	355551	12.86	272252	14.52
9M45014.D	SMB14940(M	100294	5.89	347669	6.89	206214	8.33	315717	9.80	292027	12.85	238259	14.52
9M45015.D	OMB14941(M	85856	5.88	322978	6.89	191341	8.33	311762	9.79	336229	12.86	291299	14.57
9M45016.D	OMB14941	96204	5.88	359869	6.89	212204	8.33	338338	9.80	362006	12.86	324966	14.54
9M45017.D	SMB14940(M	120389	5.88	430177	6.89	243739	8.33	377965	9.80	354310	12.85	285567	14.50
9M45018.D	AC67229-001	104303	5.88	386975	6.90	210042	8.34	334042	9.80	298420	12.84	226590	14.49
9M45019.D	AC67229-001	115773	5.89	397641	6.89	236334	8.33	369743	9.79	322717	12.85	262673	14.49
9M45020.D	AC67229-001	93140	5.88	343878	6.90	189558	8.34	308633	9.80	264988	12.85	205171	14.49
9M45021.D	AC67229-017	94872	5.89	305141	6.91	169415	8.35	304433	9.81	266284	12.85	191241	14.52
9M45022.D	AC67123-001	104145	5.88	379689	6.90	210312	8.33	354948	9.80	298402	12.84	233884	14.48
9M45023.D	AC67095-007	99720	5.89	321982	6.90	181586	8.36	274022	9.82	237025	12.86	210654	14.48
9M45024.D	AC67118-011	92595	5.89	323485	6.90	159231	8.35	233752	9.81	221197	12.87	211293	14.57
9M45025.D	AC67118-001	92335	5.89	327352	6.90	177901	8.35	233386	9.81	211660	12.87	197319	14.52
9M45026.D	WMB14942	159603 A	5.88	619873 A	6.89	339066 A	8.34	534505	9.80	425027	12.85	334609	14.50
9M45027.D	WMB14943	143425	5.88	550739	6.90	319137 A	8.34	548706	9.80	466761	12.85	375380	14.49
9M45028.D	AC66830-001	150645	5.88	558759 A	6.90	314725	8.34	522921	9.80	522835	12.88	415377	14.59
9M45029.D	AC67017-001	134400	5.88	487917	6.89	272389	8.34	463159	9.80	475650	12.86	388888	14.56
9M45030.D	AC67271-001	105911	5.88	376401	6.89	205566	8.34	356206	9.80	329836	12.87	269380	14.57
9M45031.D	AC67271-003	103908	5.88	385463	6.89	218925	8.33	371699	9.79	366607	12.85	297382	14.51
9M45032.D	AC67271-005	143531	5.88	531675	6.89	321876 A	8.33	529358	9.79	505107	12.85	411661	14.50
9M45033.D	AC67271-007	143038	5.88	544068	6.89	300535	8.33	500337	9.79	514922	12.84	426553	14.48
9M45034.D	AC67271-009	140438	5.88	498128	6.89	290985	8.33	467297	9.79	448563	12.85	369148	14.48
9M45035.D	AC67271-012	104157	5.88	400295	6.89	222734	8.32	374722	9.79	370269	12.85	279411	14.48
9M45036.D	AC67286-003	95783	5.88	360151	6.89	201802	8.32	347178	9.79	332511	12.85	260257	14.47
9M45037.D	AC67250-006	110122	5.88	418551	6.89	229572	8.32	395428	9.79	372007	12.85	302977	14.47
9M45038.D	EF-1 V-14597	109135	5.88	403915	6.89	229128	8.32	394240	9.79	368602	12.85	290468	14.47

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	624/8260 Internal Standard concentration = 30ug/L
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 7M55159.D Method: EPA 8270C

Analysis Date/Time: 07/27/12 09:33

Lab File ID: CALBNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	99283	5.88	388031	6.94	225969	8.45	394203	9.91	312304	12.97	236051	14.72
Eval File Area Limit:	49642-198566		194016-776062		112984-451938		197102-788406		156152-624608		118026-472102	
Eval File Rt Limit:	5.38-6.38		6.44-7.44		7.95-8.95		9.41-10.41		12.47-13.47		14.22-15.22	

Data File	Sample												
7M55160.D	SMB14940	152849	5.89	561525	6.94	317276	8.45	525655	9.91	341610	12.93	240691	14.65
7M55161.D	OMB14941	89786	5.88	355662	6.93	208909	8.42	355334	9.88	277046	12.92	230418	14.61
7M55162.D	AC67106-002	125246	5.88	463391	6.94	253952	8.45	400593	9.91	274406	12.96	231760	14.67
7M55163.D	AC67106-001	89818	5.88	344239	6.92	180787	8.39	296497	9.86	216940	12.95	183292	14.72
7M55164.D	AC67245-005(	112738	5.88	436876	6.94	240721	8.40	380621	9.86	276264	12.93	227986	14.66
7M55165.D	AC67251-001(	115391	5.88	422715	6.90	224987	8.36	372383	9.83	266135	12.92	230800	14.65
7M55166.D	67245-005(10	117101	5.88	457964	6.93	244805	8.38	394406	9.85	294902	12.94	239049	14.69
7M55167.D	AC67243-001(	148107	5.88	561339	6.92	246991	8.38	373455	9.84	267526	12.93	220931	14.69
7M55168.D	AC67243-002(	107492	5.88	412997	6.91	201105	8.37	330541	9.84	235541	12.95	195932	14.72
7M55169.D	AC67243-003(	109604	5.88	424063	6.91	222856	8.38	373152	9.85	260681	12.94	213528	14.72
7M55170.D	AC67243-004(	114718	5.88	434747	6.90	229356	8.36	381595	9.84	268337	12.94	226442	14.69
7M55171.D	AC67245-005(	143697	5.88	556699	6.93	309292	8.39	489548	9.85	332463	12.95	278200	14.73
7M55172.D	AC67122-001(	111493	5.88	433472	6.91	249428	8.38	414957	9.85	259655	12.93	216074	14.67
7M55173.D	AC67123-003(	111909	5.88	433568	6.90	245363	8.35	421143	9.83	278023	12.92	227827	14.67
7M55174.D	AC67152-002(	118973	5.88	452424	6.92	257171	8.40	394013	9.86	278438	12.95	236936	14.74
7M55175.D	AC67251-001(	127868	5.88	471573	6.93	252983	8.42	414369	9.88	298509	12.98	259113	14.84
7M55176.D	AC67152-001	103485	5.88	370800	6.92	183846	8.39	253657	9.85	181753	13.00	170647	14.84
7M55177.D	AC67152-005	110277	5.88	414153	6.92	220416	8.39	326309	9.86	229039	13.00	204255	14.81
7M55178.D	AC67152-006	113942	5.88	411215	6.90	212949	8.36	310530	9.84	204831	12.94	183730	14.70
7M55179.D	AC67056-001	161196	5.88	551838	6.90	288065	8.36	431482	9.83	332521	12.92	289100	14.61
7M55180.D	AC67122-001(	113180	5.88	432483	6.90	231312	8.35	359219	9.83	254793	12.90	222898	14.55

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	624/8260 Internal Standard concentration = 30ug/L
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 7M55197.D Method: EPA 8270C

Analysis Date/Time: 07/30/12 11:24

Lab File ID: CALBNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	107620	5.87	415792	6.92	235805	8.48	415345	9.94	312264	12.93	240394	14.62
Eval File Area Limit:	53810-215240		207896-831584		117902-471610		207672-830690		156132-624528		120197-480788	
Eval File Rt Limit:	5.37-6.37		6.42-7.42		7.98-8.98		9.44-10.44		12.43-13.43		14.12-15.12	

Data File	Sample												
7M55198.D	SMB14952	168441	5.88	610649	6.93	347838	8.42	589070	9.88	406861	12.95	312291	14.72
7M55199.D	SMB14952(M	169126	5.88	621190	6.90	350328	8.36	598108	9.83	424356	12.89	332688	14.58
7M55200.D	AC67273-002(	159328	5.88	578756	6.89	322589	8.34	502477	9.81	295410	12.89	235671	14.60
7M55201.D	AC67270-001	139665	5.87	516229	6.89	276623	8.34	416229	9.81	283461	12.91	251544	14.65
7M55202.D	AC67279-001	123596	5.87	444948	6.89	234763	8.35	363531	9.82	267209	12.90	236337	14.64
7M55203.D	AC67279-001(	137000	5.87	506339	6.92	275260	8.39	428275	9.85	301754	12.90	261382	14.58

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 7M55205.D Method: EPA 8270C

Analysis Date/Time: 07/31/12 09:15

Lab File ID: CALBNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	112082	5.87	435291	6.89	254306	8.34	442953	9.81	338343	12.90	238647	14.62
Eval File Area Limit:	56041-224164		217646-870582		127153-508612		221476-885906		169172-676686		119324-477294	
Eval File Rt Limit:	5.37-6.37		6.39-7.39		7.84-8.84		9.31-10.31		12.4-13.4		14.12-15.12	

Data File	Sample												
7M55206.D	SMB14963	162236	5.87	589409	6.93	324400	8.42	530586	9.87	366121	12.89	239362	14.58
7M55207.D	AC67311-001	157382	5.87	571249	6.90	304067	8.36	489635	9.83	302897	12.88	238937	14.54
7M55208.D	AC67311-001(	165284	5.88	589994	6.93	324579	8.43	497686	9.88	302848	12.90	257840	14.60
7M55209.D	AC67311-001(	171762	5.87	619521	6.90	336877	8.37	543833	9.83	339776	12.89	290820	14.58
7M55210.D	AC67045-007	123074	5.87	423895	6.90	208679	8.36	306432	9.84	228556	12.95	201254	14.68
7M55211.D	AC67250-009	122233	5.87	451280	6.90	231607	8.36	349395	9.83	249074	12.89	229635	14.59
7M55212.D	AC67250-010	149184	5.87	511520	6.90	271988	8.36	411824	9.83	252537	12.89	237801	14.59
7M55213.D	AC67299-001(	128826	5.87	486025	6.90	273432	8.36	454782	9.83	295043	12.91	253414	14.65
7M55214.D	AC67299-003	103274	5.87	389272	6.89	227134	8.34	354988	9.82	236271	12.90	200191	14.64
7M55215.D	AC67243-001(	138039	5.87	494168	6.90	242093	8.36	384909	9.83	276704	12.91	238317	14.66
7M55216.D	WMB14962	128729	5.87	481134	6.89	273535	8.35	466998	9.82	313345	12.92	239426	14.68
7M55217.D	AC67243-002(	140076	5.87	511509	6.90	237084	8.36	388663	9.82	273452	12.89	238558	14.62
7M55218.D	AC67243-003(	130470	5.87	475828	6.91	240744	8.40	381270	9.85	273325	12.89	239318	14.60
7M55219.D	AC67243-004(	121675	5.87	457123	6.92	220605	8.40	366784	9.85	266248	12.89	232023	14.57
7M55220.D	AC67286-002(	128090	5.87	458176	6.88	227517	8.33	374701	9.81	278933	12.89	235877	14.56
7M55221.D	AC67286-001	143127	5.87	497611	6.91	260522	8.37	365055	9.84	286952	12.90	246308	14.58
7M55222.D	AC67243-002(	130693	5.87	477695	6.89	236148	8.34	416087	9.81	274874	12.88	239151	14.53
7M55223.D	AC67269-004	201435	5.88	524999	6.90	261707	8.36	348834	9.82	277545	12.88	251627	14.53
7M55224.D	AC67269-001	142035	5.87	480764	6.89	230957	8.34	338094	9.81	266911	12.88	240417	14.55
7M55225.D	AC67269-002(	141138	5.87	512936	6.88	247222	8.33	401210	9.81	285748	12.88	255343	14.54
7M55226.D	AC67269-003(	140397	5.87	453511	6.88	231133	8.33	359534	9.80	266656	12.88	231392	14.53
7M55227.D	AC67124-002(	118737	5.87	447203	6.87	229099	8.32	337982	9.80	251110	12.88	214316	14.53
7M55228.D	AC67124-008(	119538	5.87	445339	6.87	234734	8.32	345083	9.80	243273	12.88	212066	14.53
7M55229.D	AC67124-009(	120464	5.87	454802	6.88	246618	8.32	383277	9.80	249221	12.88	212002	14.53
7M55230.D	AC67124-012(	122613	5.87	462796	6.87	242569	8.32	364367	9.80	256222	12.88	214451	14.53
7M55231.D	AC67286-001(	128717	5.87	467258	6.87	238583	8.32	367388	9.80	269311	12.88	232765	14.53
7M55232.D	AC67286-002(	136983	5.87	493317	6.88	260508	8.32	393980	9.80	291941	12.88	250408	14.53

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	624/8260 Internal Standard concentration = 30ug/L
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 9M45060.D Method: EPA 8270C

Analysis Date/Time: 07/31/12 08:52

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	89180	5.88	321525	6.89	190603	8.33	338367	9.80	302981	12.86	253358	14.52
Eval File Area Limit:	44590-178360		160762-643050		95302-381206		169184-676734		151490-605962		126679-506716	
Eval File Rt Limit:	5.38-6.38		6.39-7.39		7.83-8.83		9.3-10.3		12.36-13.36		14.02-15.02	

Data File	Sample												
9M45061.D	SMB14952	138482	5.89	498943	6.89	282694	8.33	436087	9.80	361145	12.85	263732	14.49
9M45062.D	SMB14963	121030	5.88	428328	6.89	249857	8.32	381274	9.79	322057	12.85	234194	14.49
9M45063.D	SMB14963(M	128454	5.88	460664	6.89	266376	8.33	416229	9.79	348275	12.85	269759	14.49
9M45064.D	AC67311-002	133023	5.89	472236	6.89	260362	8.32	404480	9.79	335653	12.85	266747	14.55
9M45065.D	AC67250-001	114165	5.88	395693	6.89	211661	8.33	307855	9.79	223523	12.85	183932	14.49
9M45066.D	AC67250-002	127682	5.88	424625	6.89	218488	8.33	332435	9.79	235600	12.85	218002	14.49
9M45067.D	AC67250-003	133789	5.88	467634	6.89	239466	8.33	370669	9.79	246048	12.85	222209	14.51
9M45068.D	AC67250-004	118328	5.88	414342	6.89	215733	8.32	297291	9.79	229530	12.85	206982	14.48
9M45069.D	AC67250-005	135531	5.88	486619	6.89	249466	8.32	377607	9.79	258501	12.85	232186	14.48
9M45070.D	AC67250-006	122414	5.88	433372	6.89	220244	8.33	311746	9.79	239275	12.84	217709	14.48
9M45071.D	AC67250-007	121738	5.88	417741	6.90	222167	8.34	328908	9.80	244645	12.84	228787	14.49
9M45072.D	AC67250-008	130546	5.89	469445	6.89	245078	8.33	376006	9.80	304394	12.85	265370	14.48
9M45073.D	AC67152-003	113725	5.88	417152	6.90	211115	8.34	301725	9.80	250899	12.84	212660	14.49
9M45074.D	AC67152-004	104459	5.88	371568	6.90	197831	8.34	286977	9.80	223762	12.85	198935	14.48
9M45075.D	AC67152-007	94543	5.88	342621	6.89	177862	8.33	265446	9.80	200686	12.84	176765	14.48
9M45076.D	AC67152-008	110234	5.88	374985	6.90	191117	8.34	280875	9.80	217891	12.85	193443	14.48
9M45077.D	AC67152-009	115828	5.88	424044	6.90	216538	8.34	317677	9.80	263472	12.85	225442	14.48
9M45078.D	WMB14969	89298	5.88	337802	6.89	176295	8.33	311075	9.80	282018	12.85	222514	14.52
9M45079.D	AC67243-001(	99201	5.88	344197	6.89	187903	8.33	350944	9.79	312873	12.84	263121	14.48
9M45080.D	EF-SPLP V-1	87178	5.88	334508	6.89	178154	8.32	305270	9.79	283273	12.85	214191	14.47
9M45081.D	EF-SPLP V-1	91974	5.88	341041	6.89	191320	8.32	334879	9.79	297388	12.85	241936	14.48
9M45082.D	AC67095-007(	85332	5.88	310898	6.89	172999	8.32	286428	9.79	264032	12.85	228266	14.48

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	624/8260 Internal Standard concentration = 30ug/L
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

PCB Data

Form1

ORGANICS PCB REPORT

Sample Number: AC67152-001
Client Id: MW-1 A
Data File: 3G68964.D
Analysis Date: 07/30/12 14:38
Date Rec/Extracted: 07/18/12-07/30/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 93

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.027	U	11097-69-1	Aroclor-1254	0.027	U
11104-28-2	Aroclor-1221	0.027	U	11096-82-5	Aroclor-1260	0.027	U
11141-16-5	Aroclor-1232	0.027	U	37324-23-5	Aroclor-1262	0.027	U
53469-21-9	Aroclor-1242	0.027	U	11100-14-4	Aroclor-1268	0.027	U
12672-29-6	Aroclor-1248	0.027	U	1336-36-3	Aroclor (Total)	0.027	U

Worksheet #: 235595 ***Total Target Concentration*** 0 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

2071832 0224

Data Path : G:\Gcdata\2012\GC_3\Data\07-30-12\
Data File : 3G68964.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Jul 2012 14:38
Operator : MS/JP
Sample : AC67152-001
Misc : S,PCB
ALS Vial : 53 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 31 09:34:16 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0729.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Fri Jul 20 09:39:58 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	4.079	3.980	699874	1266173	70.965	68.472
45)DCB-Surrogate	10.392	10.819	715836	1397761	78.166	78.205

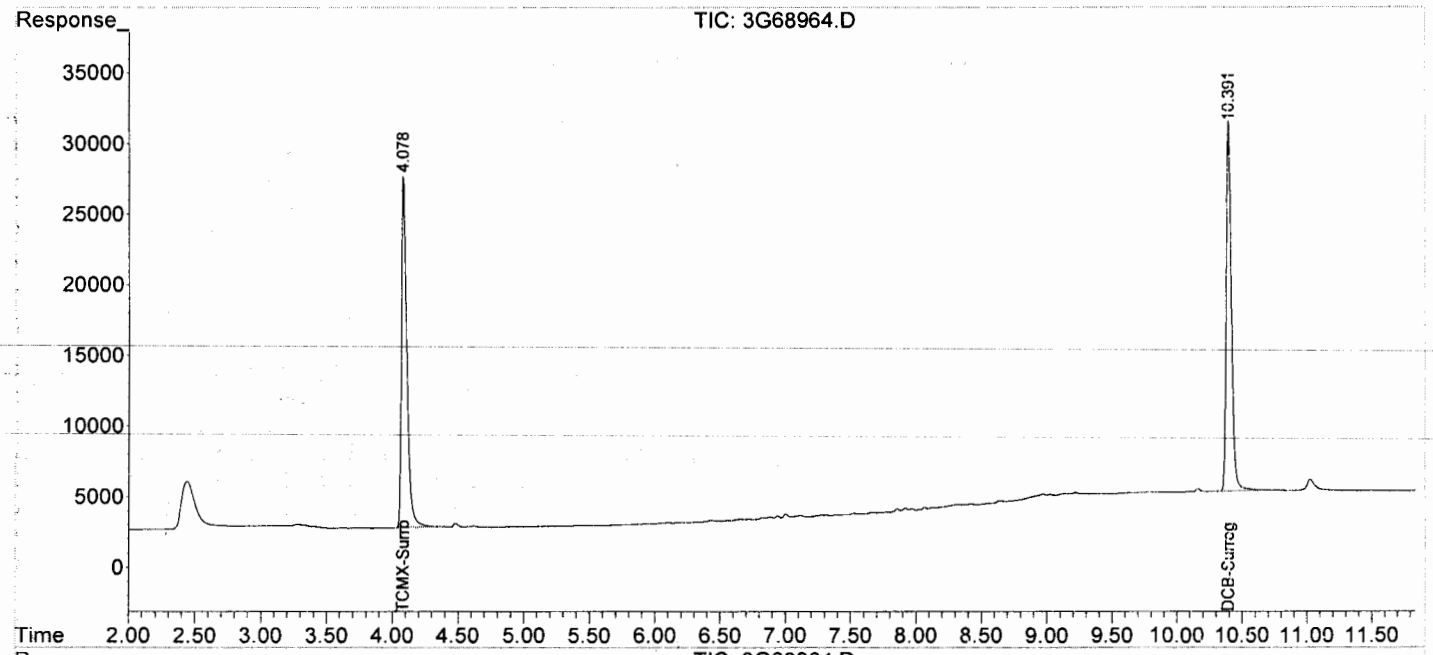
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

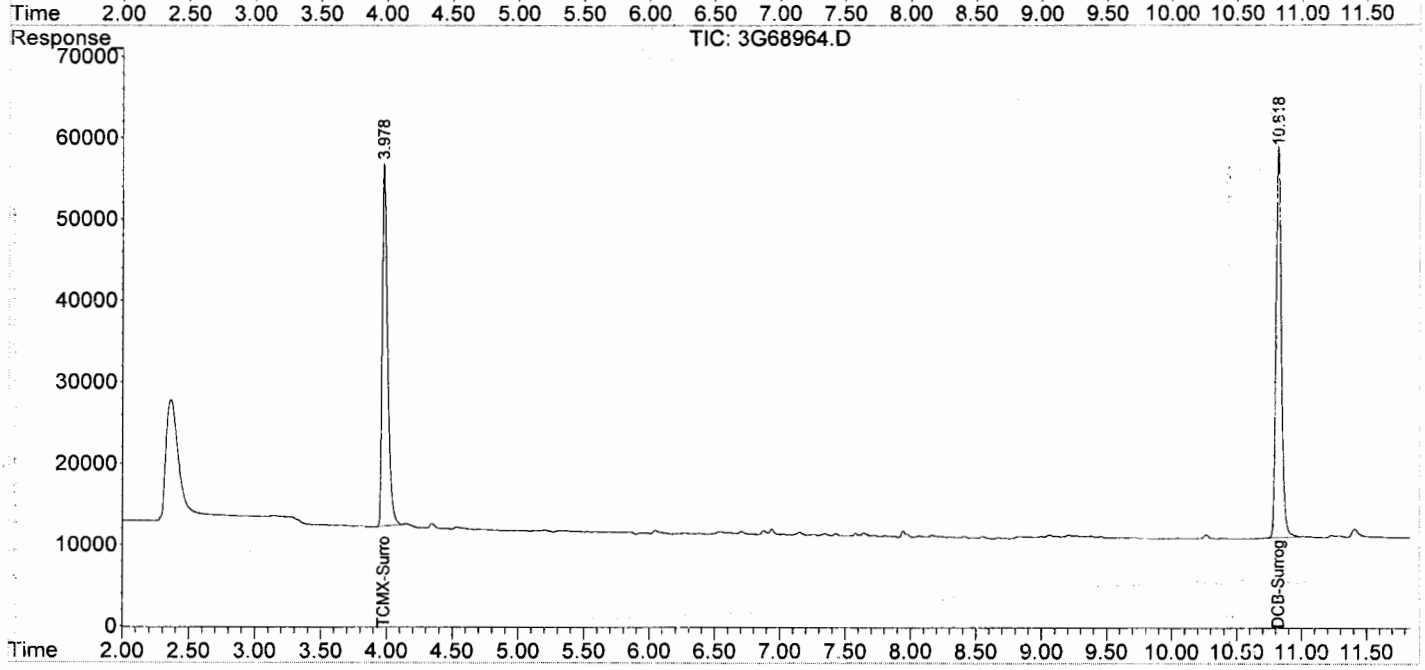
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_3\Data\07-30-12\
Data File : 3G68964.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Jul 2012 14:38
Operator : MS/JP
Sample : AC67152-001
Misc : S,PCB
ALS Vial : 53 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 31 09:34:16 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0729.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Fri Jul 20 09:39:58 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Form1

ORGANICS PCB REPORT

Sample Number: AC67152-002
Client Id: MW-2 A
Data File: 3G68988.D
Analysis Date: 07/31/12 09:45
Date Rec/Extracted: 07/18/12-07/30/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 92

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.027	U	11097-69-1	Aroclor-1254	0.027	U
11104-28-2	Aroclor-1221	0.027	U	11096-82-5	Aroclor-1260	0.027	U
11141-16-5	Aroclor-1232	0.027	U	37324-23-5	Aroclor-1262	0.027	U
53469-21-9	Aroclor-1242	0.027	U	11100-14-4	Aroclor-1268	0.027	U
12672-29-6	Aroclor-1248	0.027	U	1336-36-3	Aroclor (Total)	0.027	U

Worksheet #: 235595 ***Total Target Concentration*** 0 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_3\Data\07-31-12\
Data File : 3G68988.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 31 Jul 2012 9:45
Operator : MS/JP
Sample : AC67152-002
Misc : S,PCB
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 31 10:46:27 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0729.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Fri Jul 20 09:39:58 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	4.088	3.990	800406	1377016	81.159	74.466m
45)DCB-Surrogate	10.393	10.822	398036	731662	43.464	40.937

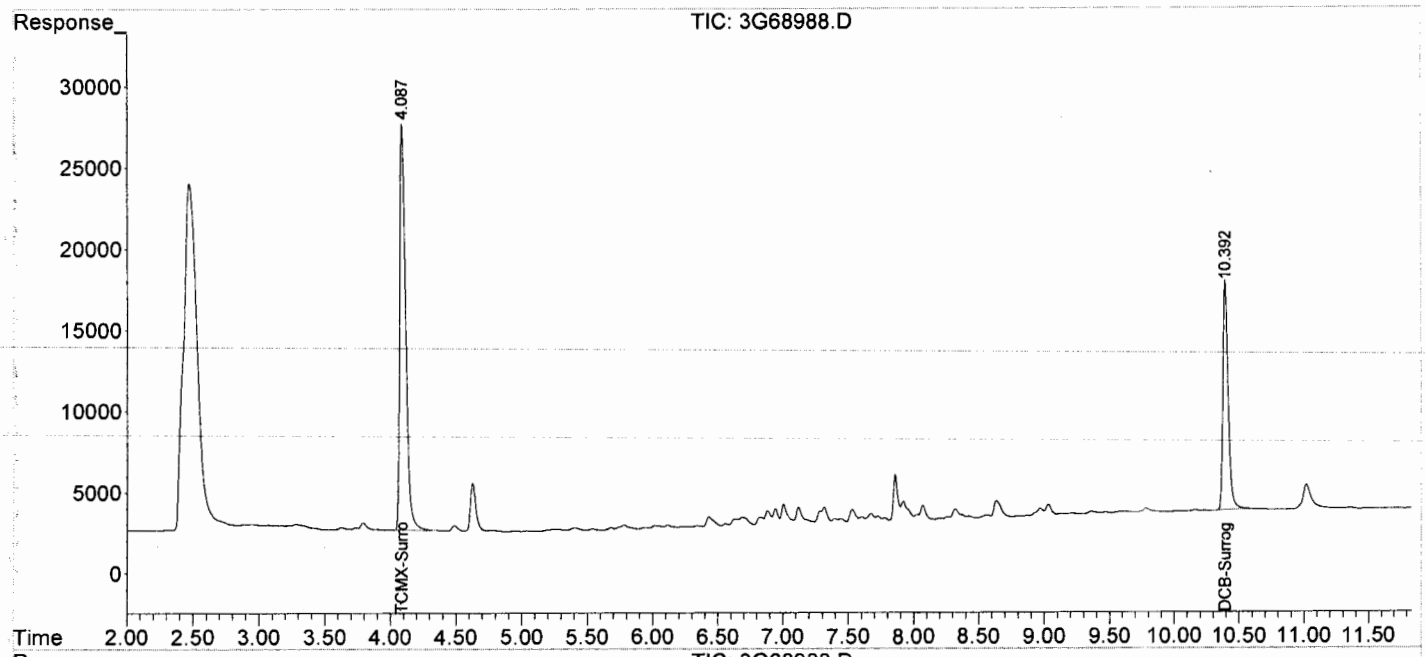
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

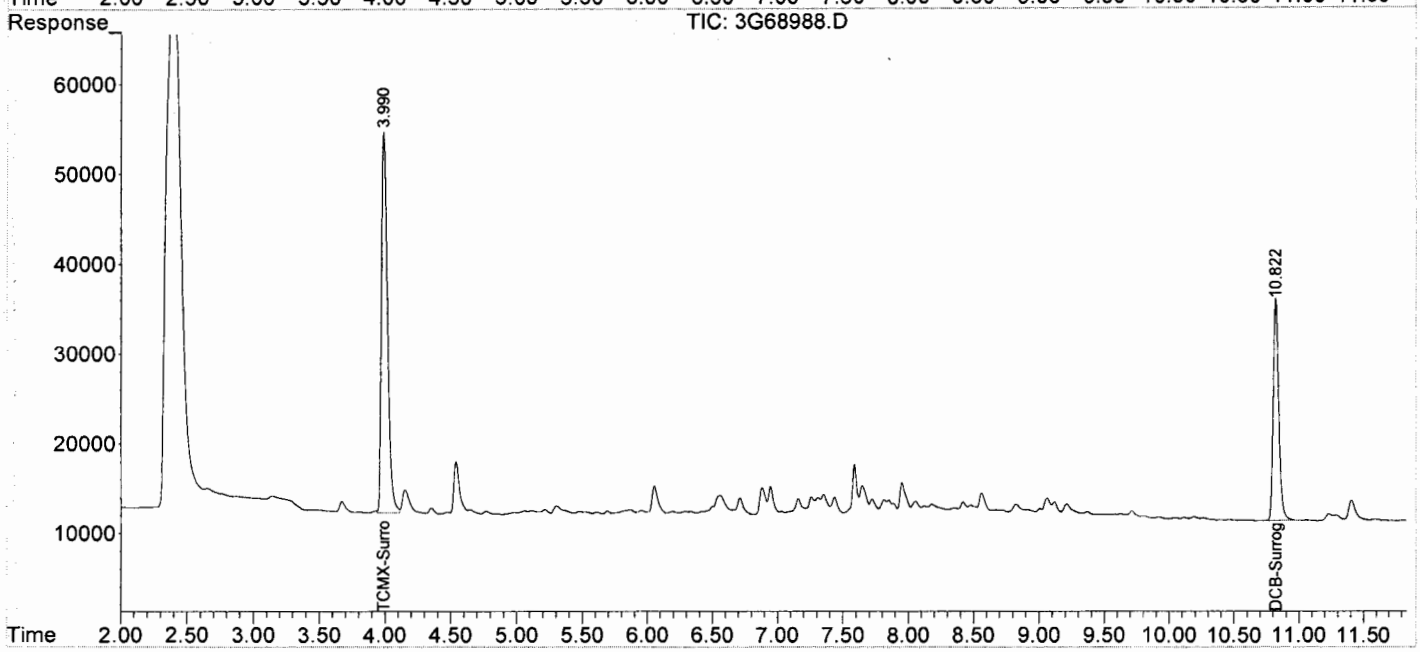
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_3\Data\07-31-12\
Data File : 3G68988.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 31 Jul 2012 9:45
Operator : MS/JP
Sample : AC67152-002
Misc : S,PCB
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 31 10:46:27 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0729.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Fri Jul 20 09:39:58 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Form1

ORGANICS PCB REPORT

Sample Number: AC67152-003
Client Id: MW-3 A
Data File: 3G69015.D
Analysis Date: 07/31/12 20:54
Date Rec/Extracted: 07/18/12-07/31/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 90

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.028	U	11097-69-1	Aroclor-1254	0.028	U
11104-28-2	Aroclor-1221	0.028	U	11096-82-5	Aroclor-1260	0.028	U
11141-16-5	Aroclor-1232	0.028	U	37324-23-5	Aroclor-1262	0.028	U
53469-21-9	Aroclor-1242	0.028	U	11100-14-4	Aroclor-1268	0.028	U
12672-29-6	Aroclor-1248	0.028	U	1336-36-3	Aroclor (Total)	0.028	U

Worksheet #: 235595

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_3\Data\07-31-12\
Data File : 3G69015.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 31 Jul 2012 20:54
Operator : MS
Sample : AC67152-003
Misc : S,PCB
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Aug 01 08:46:17 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0729.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Fri Jul 20 09:39:58 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	4.085	3.987	839914	1566495	85.165	84.713
45)DCB-Surrogate	10.385	10.815	966049	1971035	105.488m	110.280

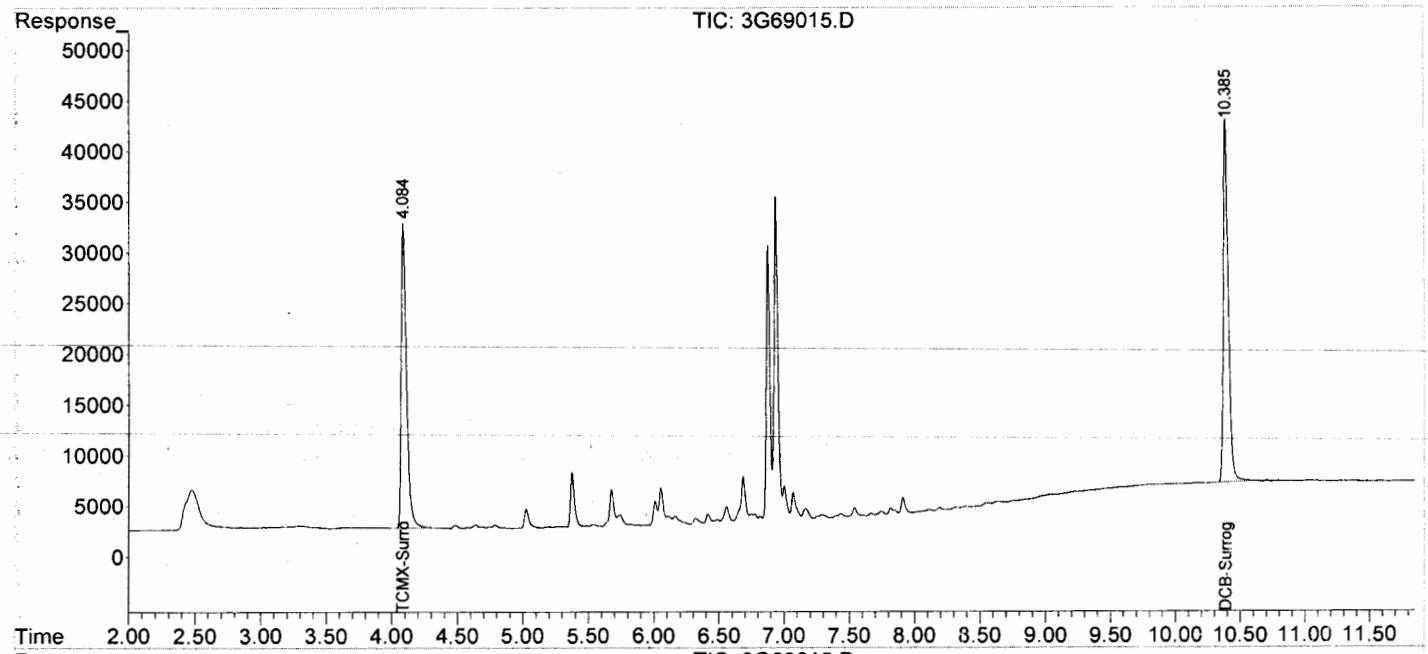
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

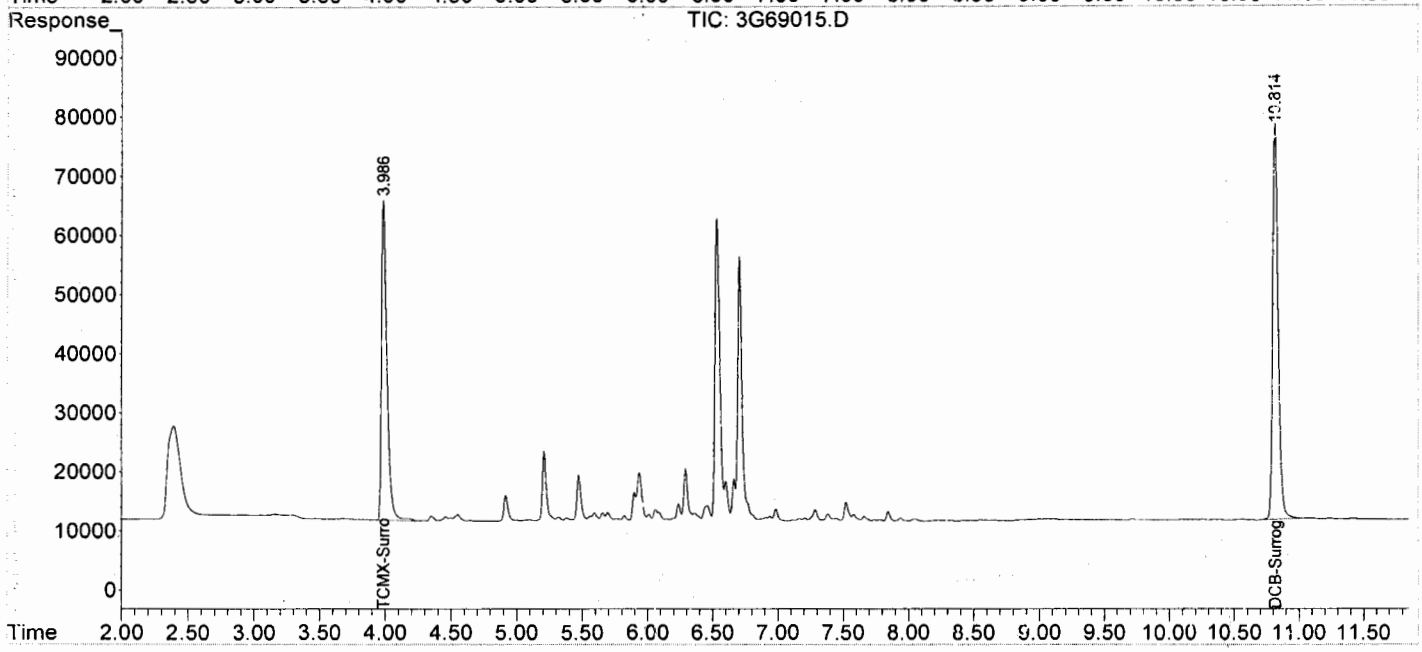
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_3\Data\07-31-12\
Data File : 3G69015.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 31 Jul 2012 20:54
Operator : MS
Sample : AC67152-003
Misc : S,PCB
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Aug 01 08:46:17 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0729.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Fri Jul 20 09:39:58 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Form1

ORGANICS PCB REPORT

Sample Number: AC67152-004
Client Id: MW-4 A
Data File: 3G69016.D
Analysis Date: 07/31/12 21:10
Date Rec/Extracted: 07/18/12-07/31/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 89

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.028	U	11097-69-1	Aroclor-1254	0.028	U
11104-28-2	Aroclor-1221	0.028	U	11096-82-5	Aroclor-1260	0.028	U
11141-16-5	Aroclor-1232	0.028	U	37324-23-5	Aroclor-1262	0.028	U
53469-21-9	Aroclor-1242	0.028	U	11100-14-4	Aroclor-1268	0.028	U
12672-29-6	Aroclor-1248	0.028	U	1336-36-3	Aroclor (Total)	0.028	U

Worksheet #: 235595

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_3\Data\07-31-12\
Data File : 3G69016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 31 Jul 2012 21:10
Operator : MS
Sample : AC67152-004
Misc : S,PCB
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Aug 01 08:46:42 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0729.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Fri Jul 20 09:39:58 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	4.086	3.988	775854	1448230	78.669	78.317
45)DCB-Surrogate	10.385	10.817	899086	1845525	98.176m	103.258

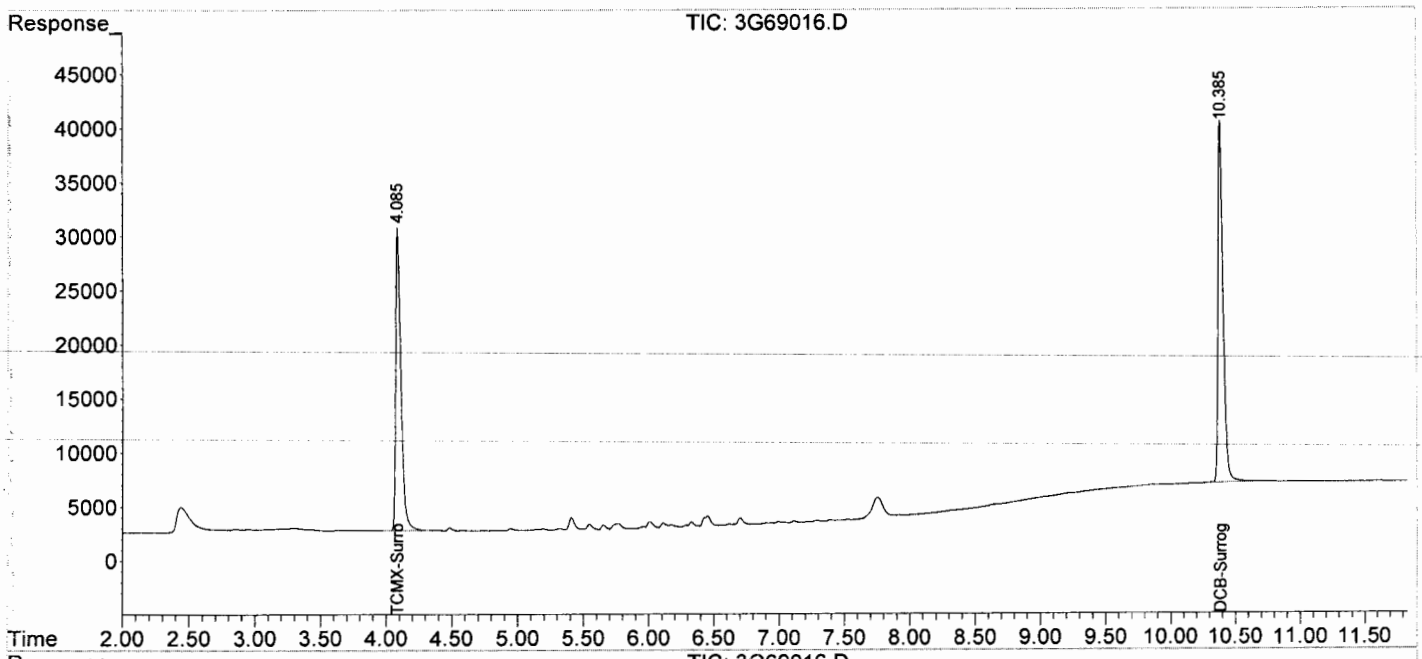
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

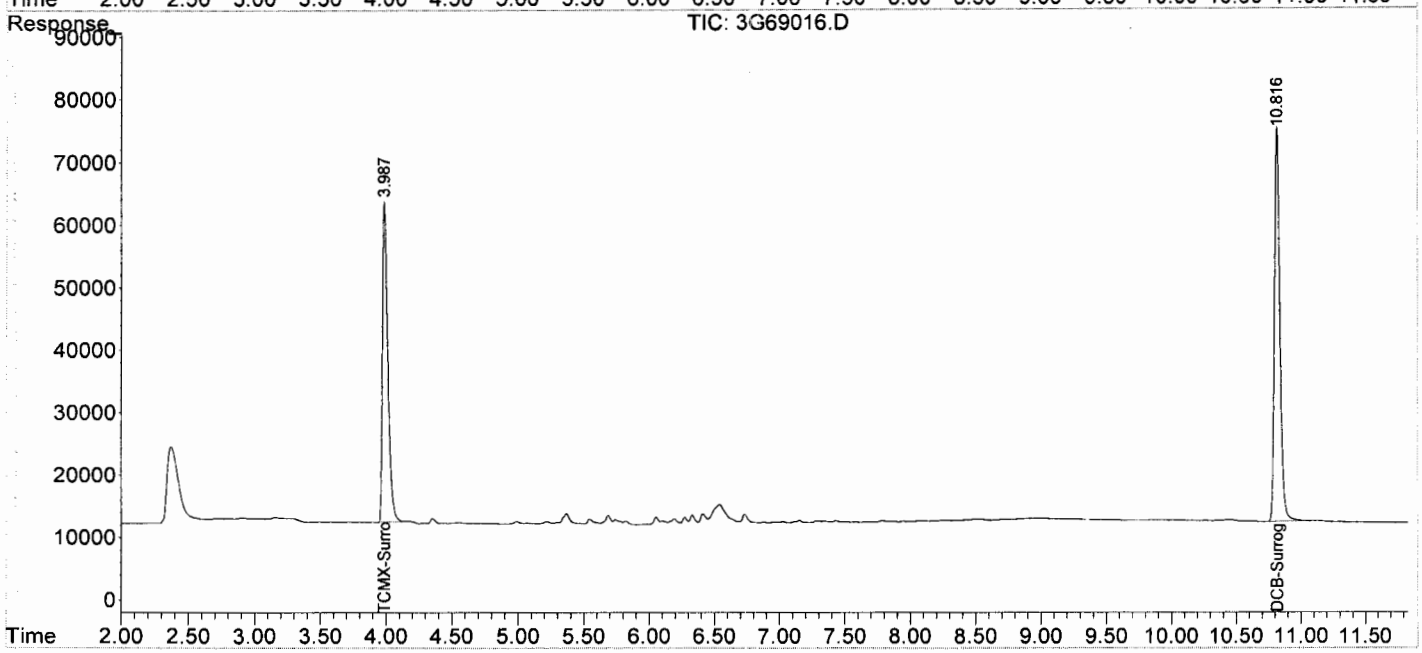
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_3\Data\07-31-12\
Data File : 3G69016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 31 Jul 2012 21:10
Operator : MS
Sample : AC67152-004
Misc : S,PCB
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Aug 01 08:46:42 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0729.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Fri Jul 20 09:39:58 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Form1

ORGANICS PCB REPORT

Sample Number: AC67152-005
Client Id: MW-1 B
Data File: 3G68973.D
Analysis Date: 07/30/12 18:00
Date Rec/Extracted: 07/18/12-07/30/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 79

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.032	U	11097-69-1	Aroclor-1254	0.032	U
11104-28-2	Aroclor-1221	0.032	U	11096-82-5	Aroclor-1260	0.032	U
11141-16-5	Aroclor-1232	0.032	U	37324-23-5	Aroclor-1262	0.032	U
53469-21-9	Aroclor-1242	0.032	U	11100-14-4	Aroclor-1268	0.032	U
12672-29-6	Aroclor-1248	0.032	U	1336-36-3	Aroclor (Total)	0.032	U

Worksheet #: 235595 ***Total Target Concentration*** 0 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

2071832 0236

Data Path : G:\Gcdata\2012\GC_3\Data\07-30-12\
Data File : 3G68973.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Jul 2012 18:00
Operator : MS/JP
Sample : AC67152-005
Misc : S,PCB
ALS Vial : 62 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 31 09:46:12 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0729.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Fri Jul 20 09:39:58 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	4.079	3.982	840927	1449343	85.267m	78.377m
45)	DCB-Surrogate	10.390	10.819	881656	1691948	96.273	94.665

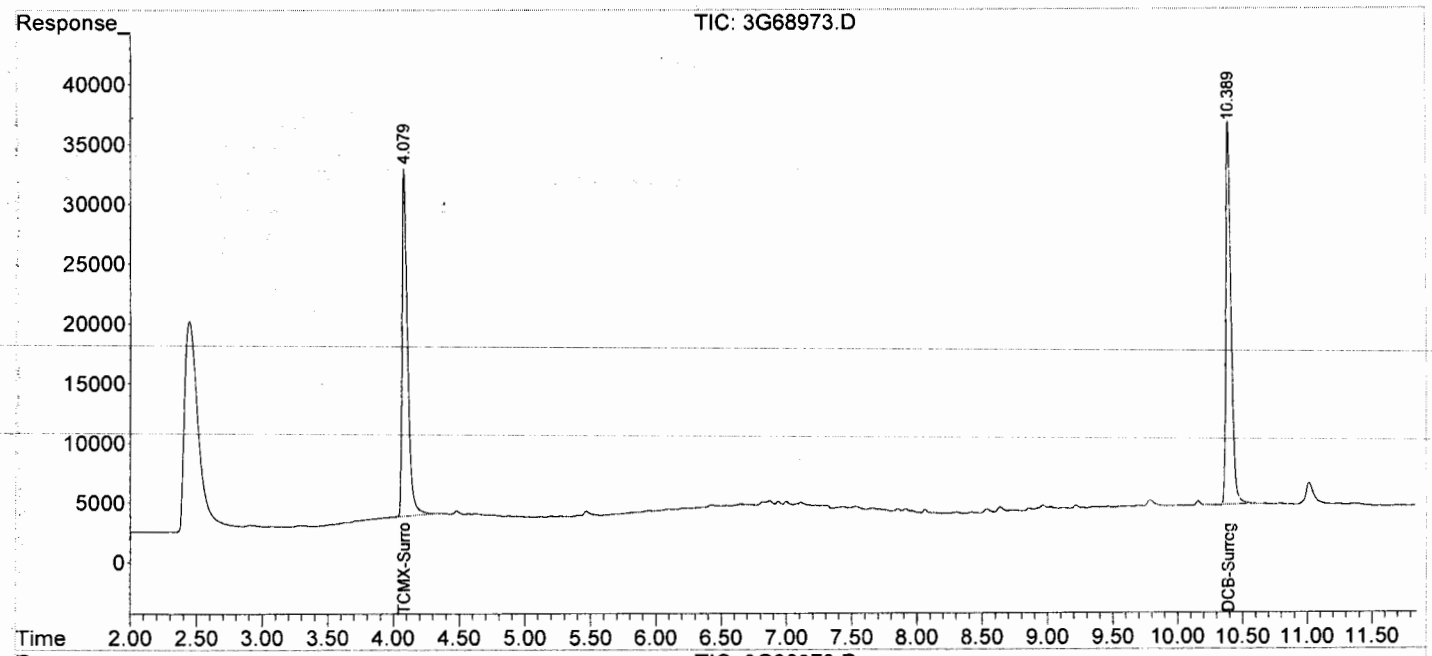
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

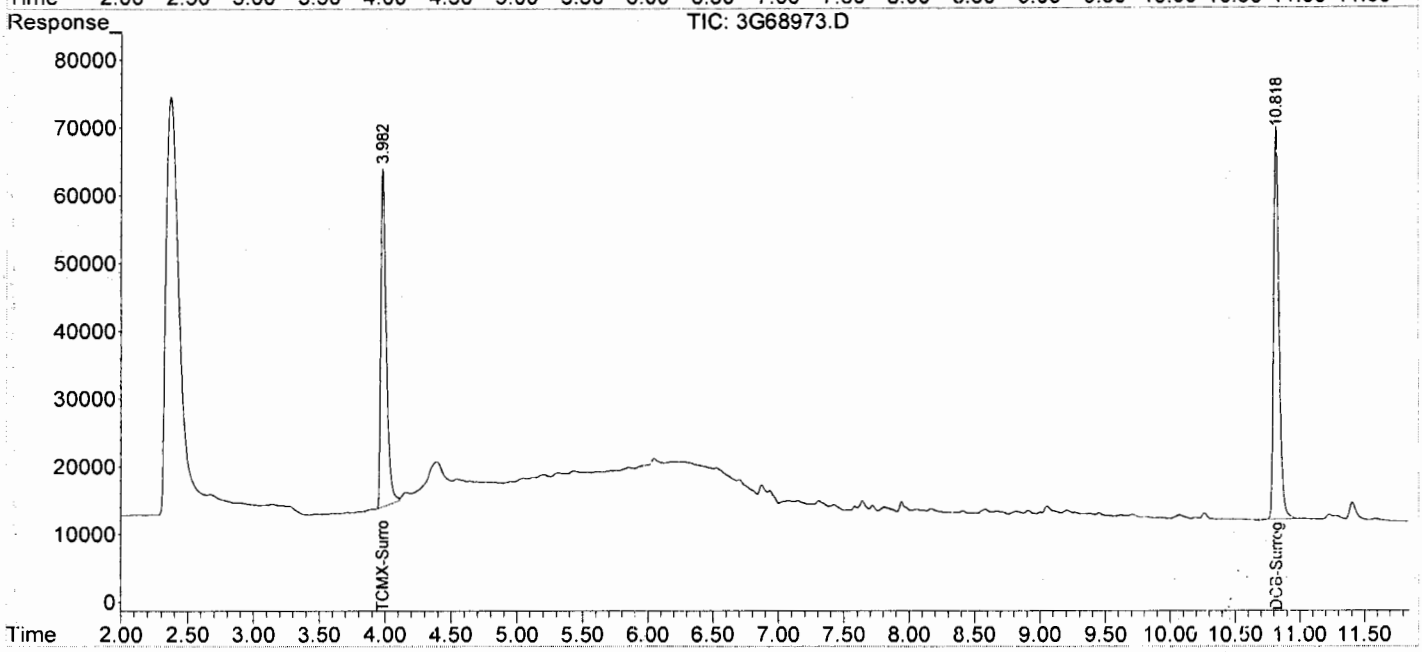
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_3\Data\07-30-12\
Data File : 3G68973.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Jul 2012 18:00
Operator : MS/JP
Sample : AC67152-005
Misc : S,PCB
ALS Vial : 62 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 31 09:46:12 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0729.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Fri Jul 20 09:39:58 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Form1

ORGANICS PCB REPORT

Sample Number: AC67152-006
Client Id: MW-2 B
Data File: 3G68974.D
Analysis Date: 07/30/12 18:16
Date Rec/Extracted: 07/18/12-07/30/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 96

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.026	U	11097-69-1	Aroclor-1254	0.026	U
11104-28-2	Aroclor-1221	0.026	U	11096-82-5	Aroclor-1260	0.026	U
11141-16-5	Aroclor-1232	0.026	U	37324-23-5	Aroclor-1262	0.026	U
53469-21-9	Aroclor-1242	0.026	U	11100-14-4	Aroclor-1268	0.026	U
12672-29-6	Aroclor-1248	0.026	U	1336-36-3	Aroclor (Total)	0.026	U

Worksheet #: 235595 ***Total Target Concentration*** 0 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_3\Data\07-30-12\
Data File : 3G68974.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Jul 2012 18:16
Operator : MS/JP
Sample : AC67152-006
Misc : S,PCB
ALS Vial : 63 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 31 09:47:08 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0729.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Fri Jul 20 09:39:58 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	4.081	3.983	821916	1480025	83.340	80.037
45) DCB-Surrogate	10.389	10.818	820837	1571435	89.632	87.922

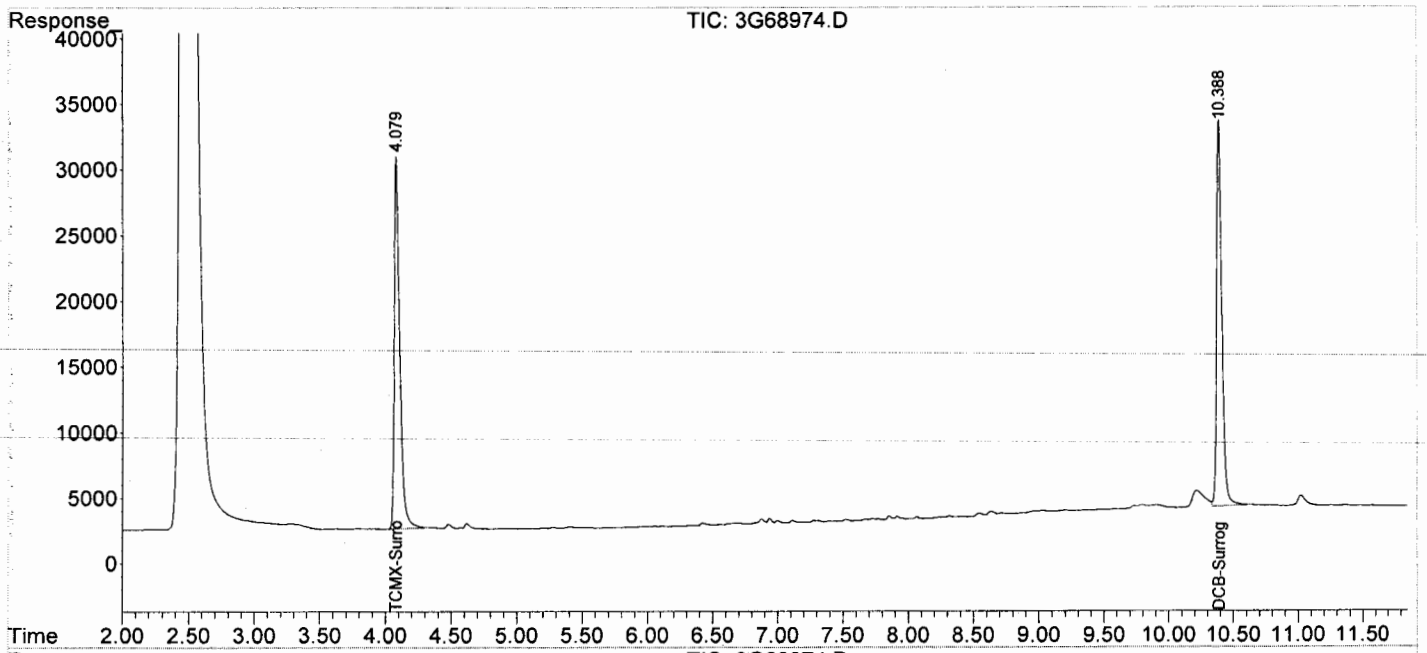
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

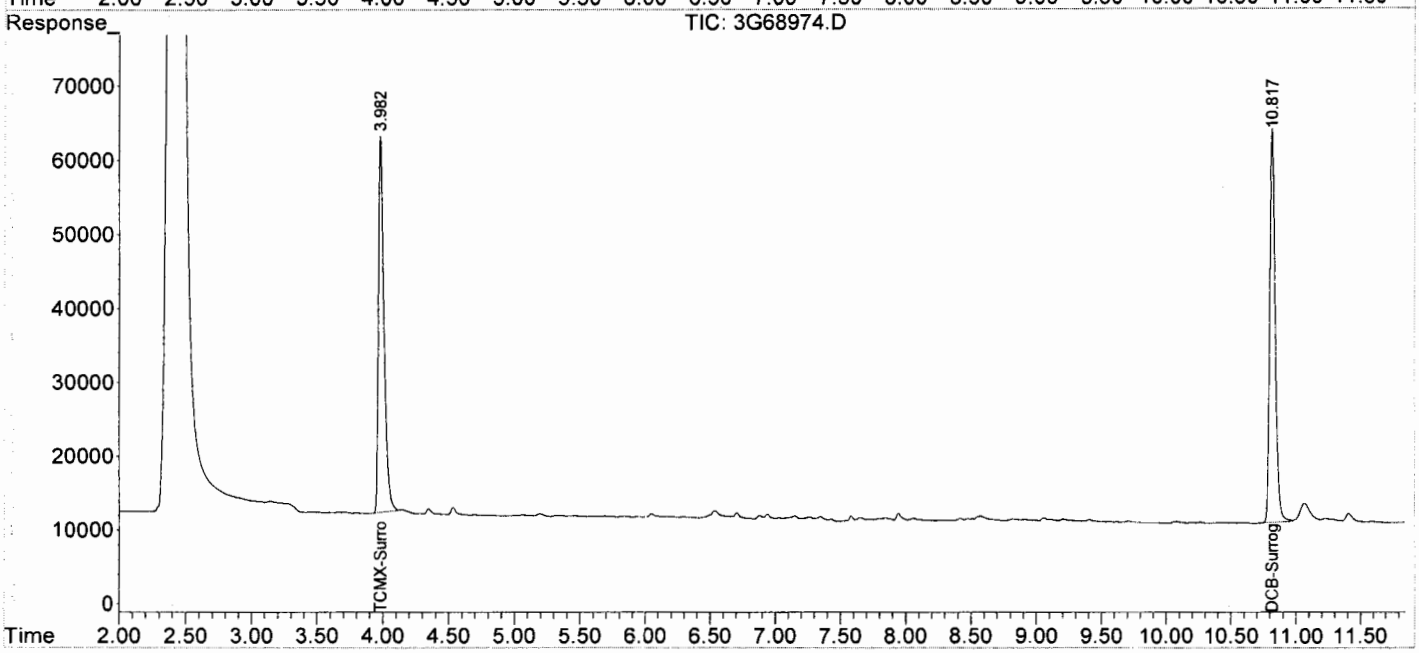
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_3\Data\07-30-12\
Data File : 3G68974.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Jul 2012 18:16
Operator : MS/JP
Sample : AC67152-006
Misc : S,PCB
ALS Vial : 63 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 31 09:47:08 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0729.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Fri Jul 20 09:39:58 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Form1

ORGANICS PCB REPORT

Sample Number: AC67152-007
Client Id: MW-3 B
Data File: 3G69020.D
Analysis Date: 07/31/12 22:11
Date Rec/Extracted: 07/18/12-07/31/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 92

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.027	U	11097-69-1	Aroclor-1254	0.027	U
11104-28-2	Aroclor-1221	0.027	U	11096-82-5	Aroclor-1260	0.027	U
11141-16-5	Aroclor-1232	0.027	U	37324-23-5	Aroclor-1262	0.027	U
53469-21-9	Aroclor-1242	0.027	U	11100-14-4	Aroclor-1268	0.027	U
12672-29-6	Aroclor-1248	0.027	U	1336-36-3	Aroclor (Total)	0.027	U

Worksheet #: 235595 ***Total Target Concentration*** 0 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

2071832 0242

Data Path : G:\Gcdata\2012\GC_3\Data\07-31-12\
Data File : 3G69020.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 31 Jul 2012 22:11
Operator : MS
Sample : AC67152-007
Misc : S,PCB
ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Aug 01 08:49:13 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0729.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Fri Jul 20 09:39:58 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	4.086	3.989	677146	1237505	68.660	66.922
45)	DCB-Surrogate	10.387	10.818	804955	1616336	87.898	90.434

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

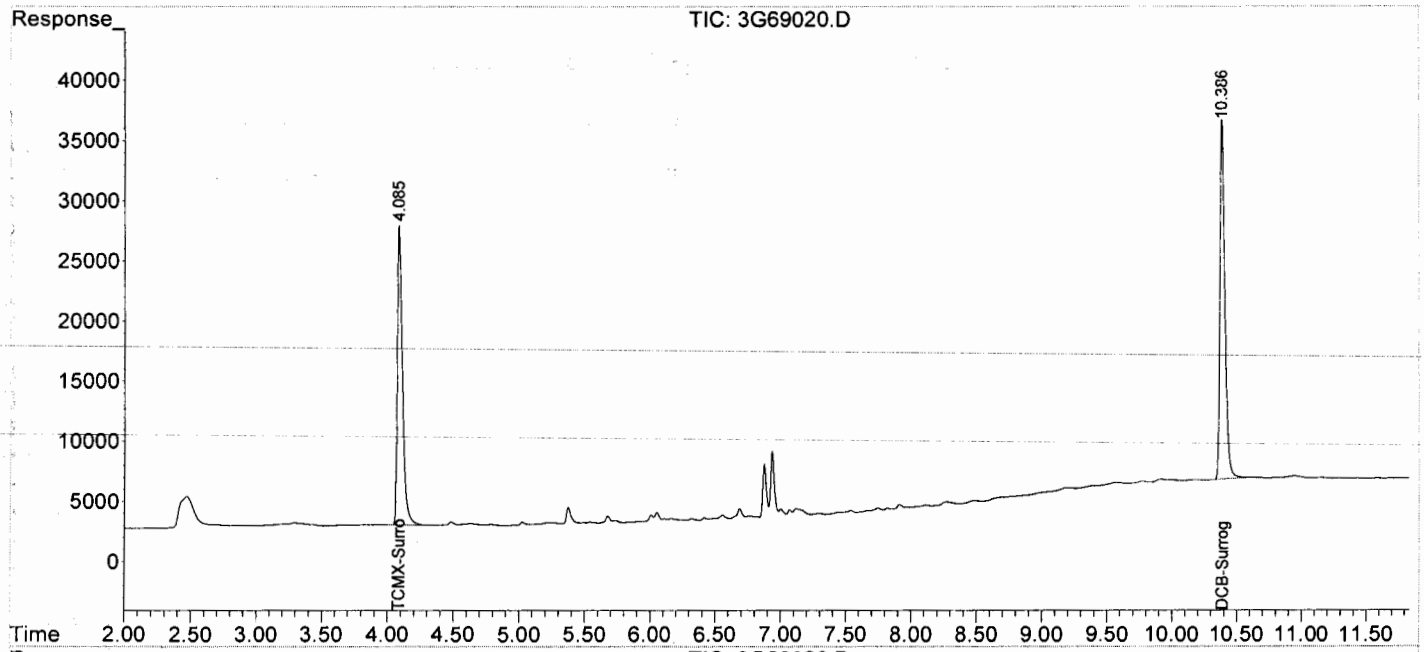
Quantitation Report (QT Reviewed)

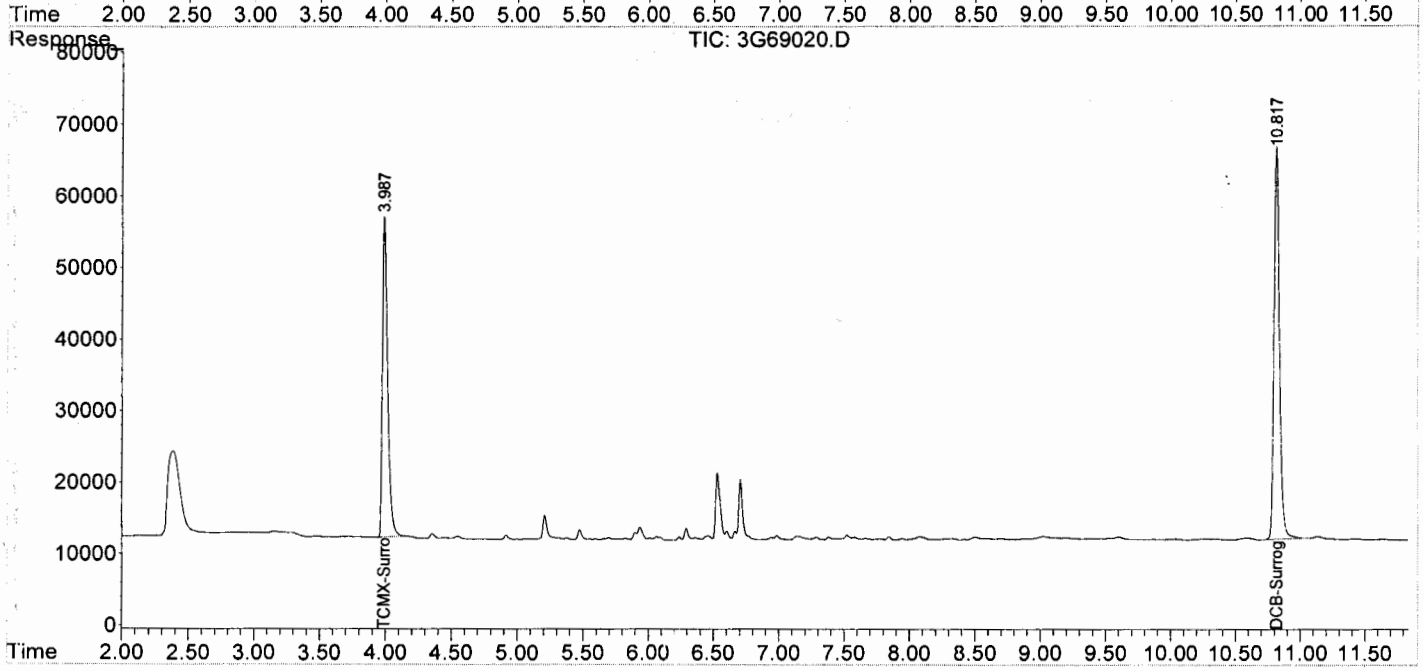
2071832 0243

Data Path : G:\Gcdata\2012\GC_3\Data\07-31-12\
Data File : 3G69020.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 31 Jul 2012 22:11
Operator : MS
Sample : AC67152-007
Misc : S,PCB
ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Aug 01 08:49:13 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0729.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Fri Jul 20 09:39:58 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Form1

ORGANICS PCB REPORT

Sample Number: AC67152-008
Client Id: MW-4 B
Data File: 3G69021.D
Analysis Date: 07/31/12 22:26
Date Rec/Extracted: 07/18/12-07/31/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 91

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.027	U	11097-69-1	Aroclor-1254	0.027	U
11104-28-2	Aroclor-1221	0.027	U	11096-82-5	Aroclor-1260	0.027	U
11141-16-5	Aroclor-1232	0.027	U	37324-23-5	Aroclor-1262	0.027	U
53469-21-9	Aroclor-1242	0.027	U	11100-14-4	Aroclor-1268	0.027	U
12672-29-6	Aroclor-1248	0.027	U	1336-36-3	Aroclor (Total)	0.027	U

Worksheet #: 235595 ***Total Target Concentration*** 0 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

2071832 0245

Data Path : G:\Gcdata\2012\GC_3\Data\07-31-12\
Data File : 3G69021.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 31 Jul 2012 22:26
Operator : MS
Sample : AC67152-008
Misc : S,PCB
ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Aug 01 08:49:24 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0729.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Fri Jul 20 09:39:58 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	4.086	3.988	581384	1089756	58.950	58.932
45)	DCB-Surrogate	10.385	10.816	666717	1348897	72.803m	75.471

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

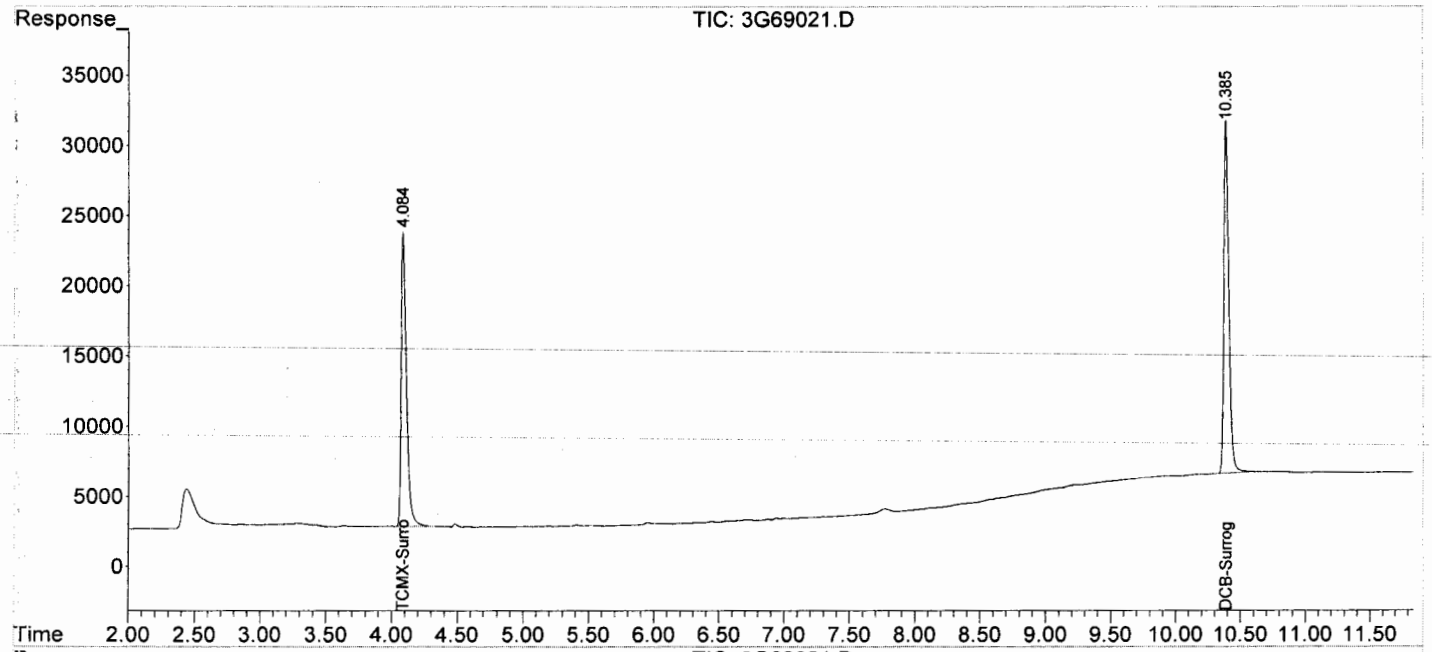
B

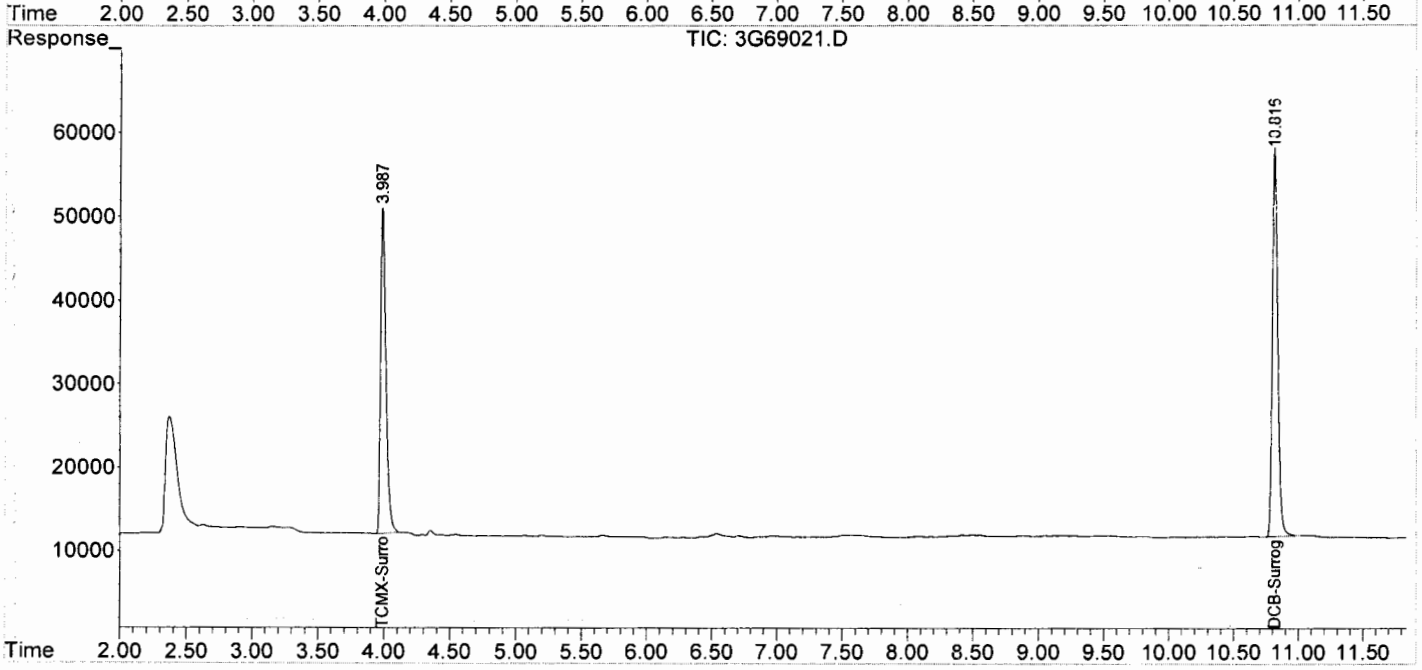
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_3\Data\07-31-12\
Data File : 3G69021.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 31 Jul 2012 22:26
Operator : MS
Sample : AC67152-008
Misc : S,PCB
ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Aug 01 08:49:24 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0729.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Fri Jul 20 09:39:58 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Form1

ORGANICS PCB REPORT

Sample Number: AC67152-009
Client Id: MW-4A (DUP)
Data File: 3G69022.D
Analysis Date: 07/31/12 22:41
Date Rec/Extracted: 07/18/12-07/31/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 91

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.027	U	11097-69-1	Aroclor-1254	0.027	U
11104-28-2	Aroclor-1221	0.027	U	11096-82-5	Aroclor-1260	0.027	U
11141-16-5	Aroclor-1232	0.027	U	37324-23-5	Aroclor-1262	0.027	U
53469-21-9	Aroclor-1242	0.027	U	11100-14-4	Aroclor-1268	0.027	U
12672-29-6	Aroclor-1248	0.027	U	1336-36-3	Aroclor (Total)	0.027	U

Worksheet #: 235595 ***Total Target Concentration*** 0 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_3\Data\07-31-12\
Data File : 3G69022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 31 Jul 2012 22:41
Operator : MS
Sample : AC67152-009
Misc : S,PCB
ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Aug 01 08:49:32 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0729.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Fri Jul 20 09:39:58 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	4.086	3.988	724154	1345285	73.427	72.750
45)DCB-Surrogate	10.385	10.816	842485	1700075	91.996m	95.120

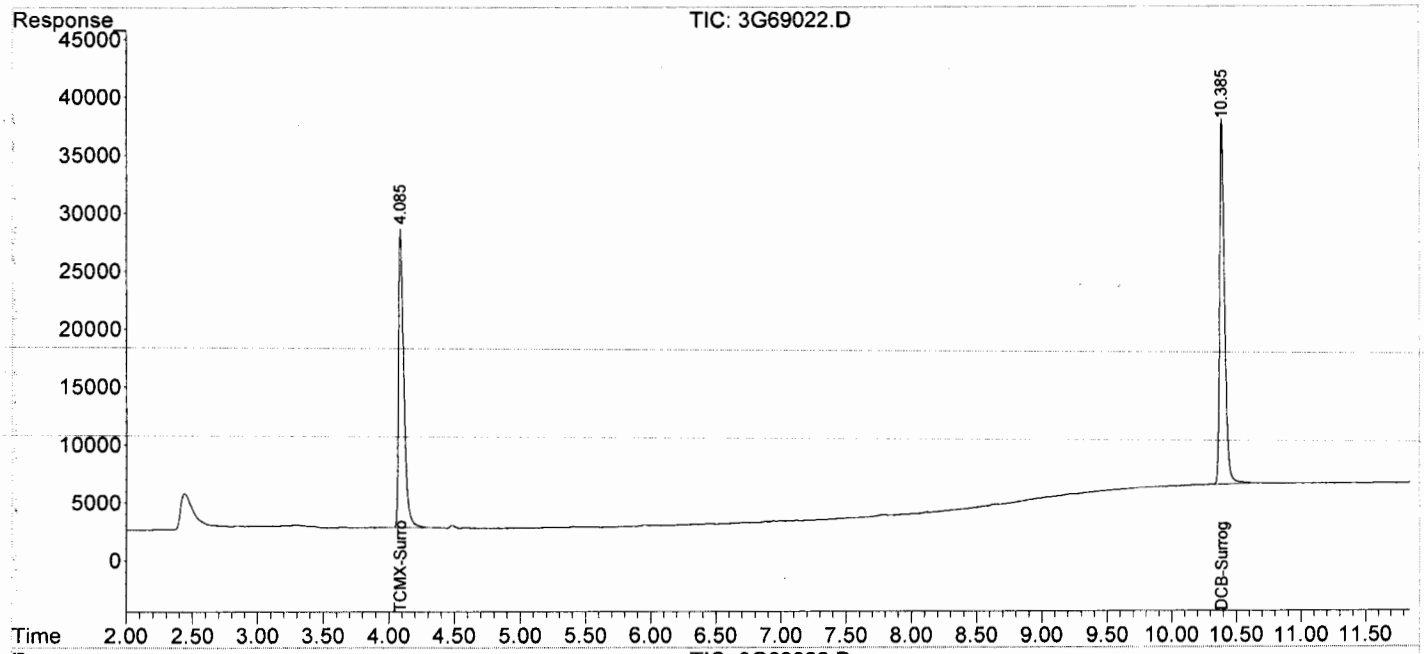
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

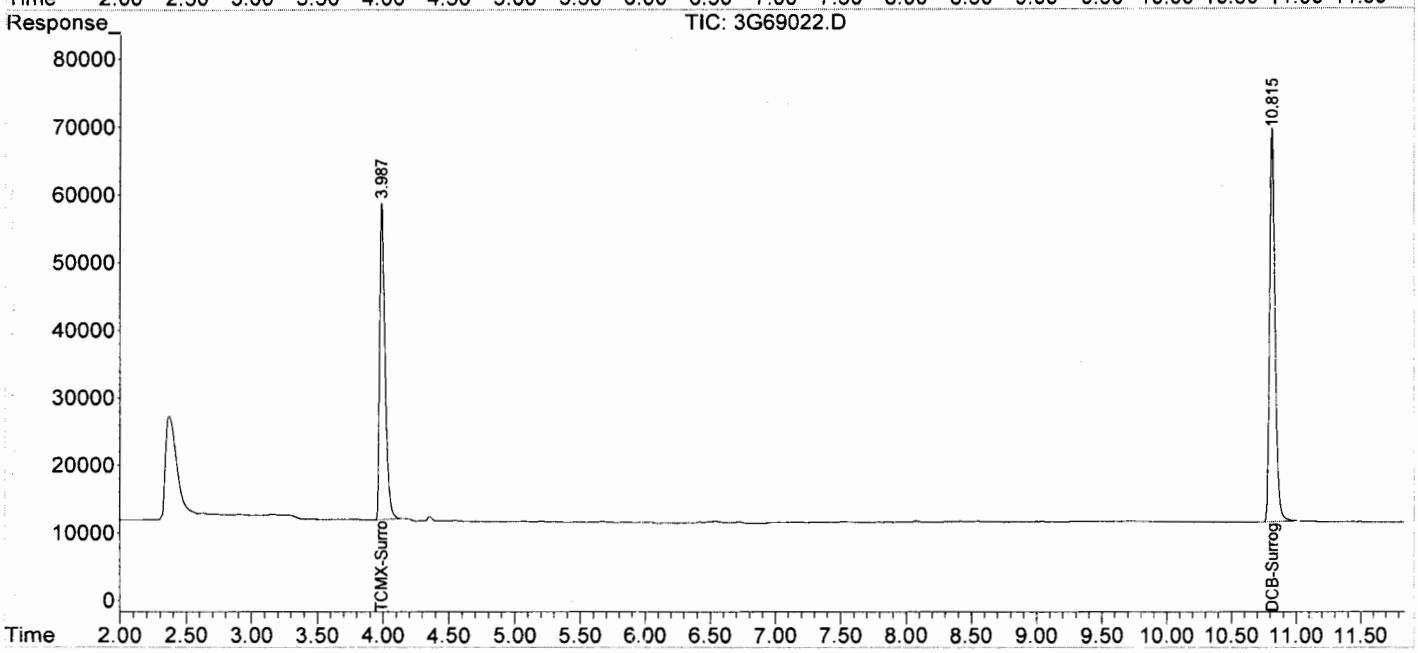
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_3\Data\07-31-12\
Data File : 3G69022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 31 Jul 2012 22:41
Operator : MS
Sample : AC67152-009
Misc : S,PCB
ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Aug 01 08:49:32 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0729.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Fri Jul 20 09:39:58 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Form1

ORGANICS PCB REPORT

Sample Number: SMB14954
Client Id:
Data File: 3G68959.D
Analysis Date: 07/30/12 13:17
Date Rec/Extracted: NA-07/30/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.025	U	11097-69-1	Aroclor-1254	0.025	U
11104-28-2	Aroclor-1221	0.025	U	11096-82-5	Aroclor-1260	0.025	U
11141-16-5	Aroclor-1232	0.025	U	37324-23-5	Aroclor-1262	0.025	U
53469-21-9	Aroclor-1242	0.025	U	11100-14-4	Aroclor-1268	0.025	U
12672-29-6	Aroclor-1248	0.025	U				

Worksheet #: 235595 ***Total Target Concentration*** 0 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

2071832 0251

Data Path : G:\Gcdata\2012\GC_3\Data\07-30-12\
Data File : 3G68959.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Jul 2012 13:17
Operator : MS/JP
Sample : SMB14954
Misc : S,PCB
ALS Vial : 49 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 30 14:08:03 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0729.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Fri Jul 20 09:39:58 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	4.076	3.978	811548	1464437	82.288m	79.194
45)DCB-Surrogate	10.388	10.816	938737	1793461	102.506	100.345

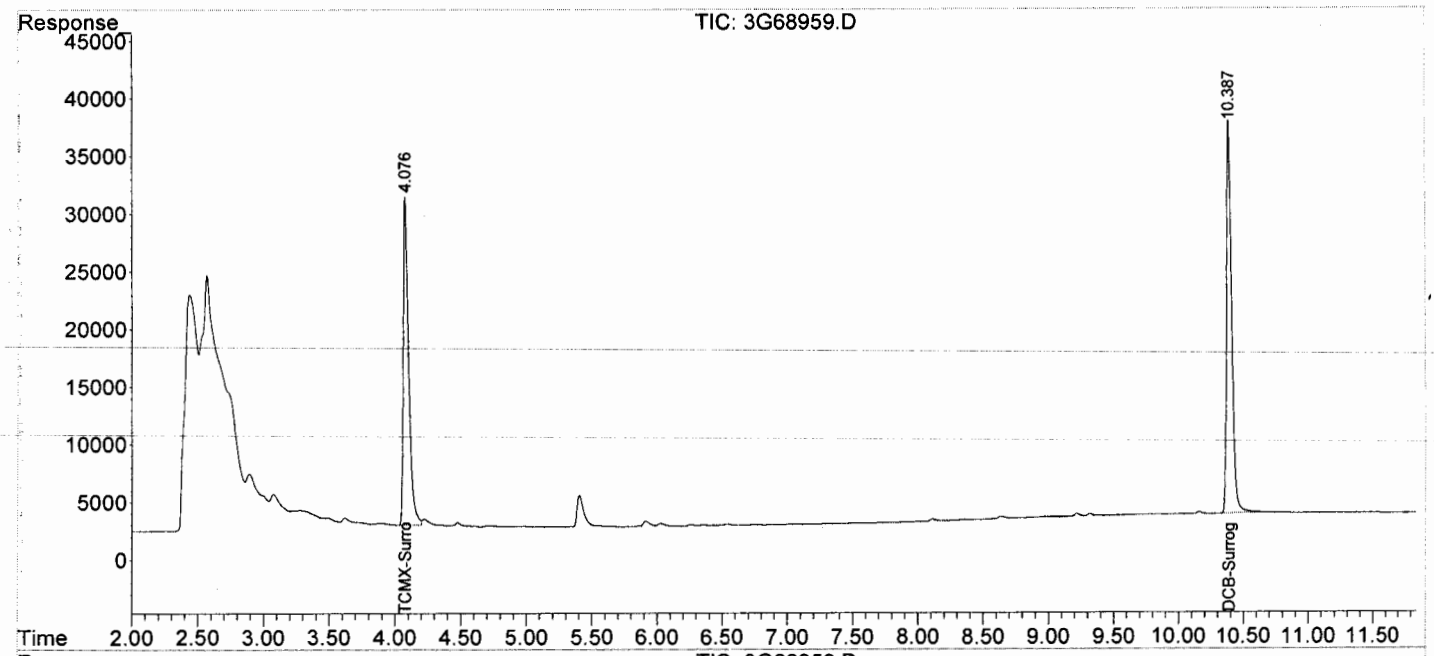
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

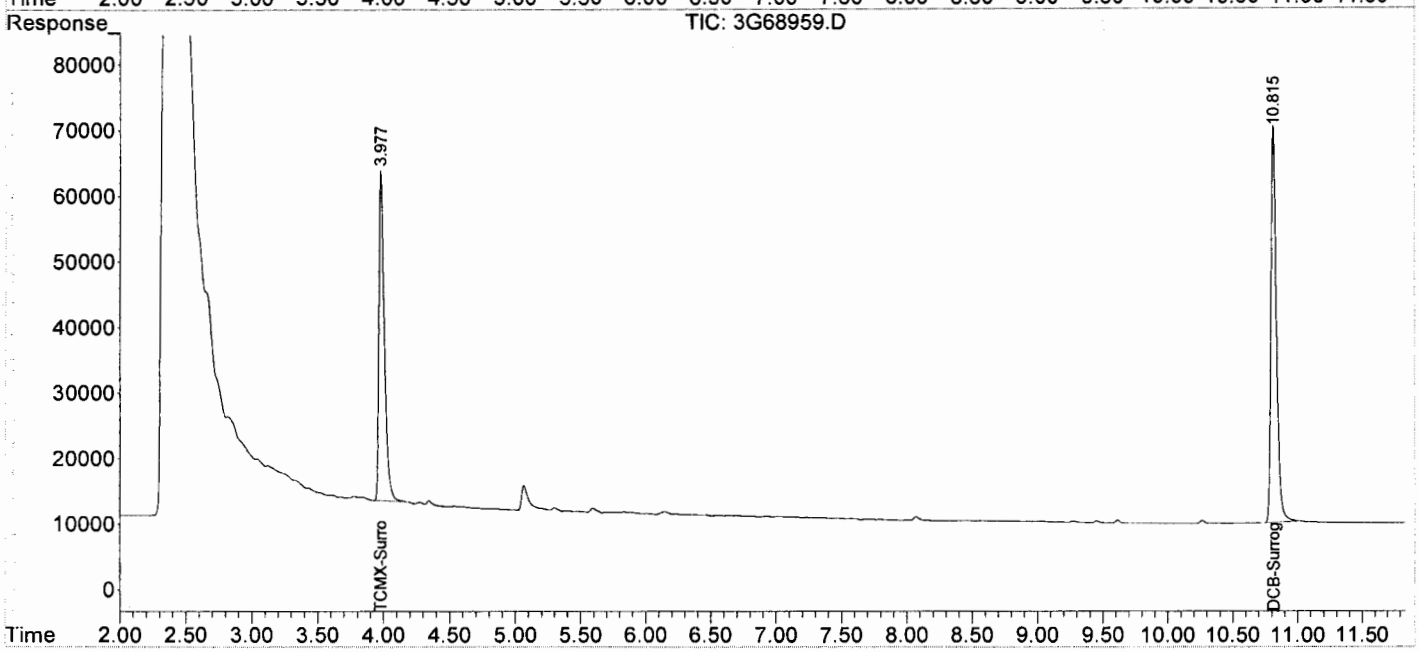
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_3\Data\07-30-12\
Data File : 3G68959.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Jul 2012 13:17
Operator : MS/JP
Sample : SMB14954
Misc : S,PCB
ALS Vial : 49 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 30 14:08:03 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0729.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Fri Jul 20 09:39:58 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Form1

ORGANICS PCB REPORT

Sample Number: SMB14968
Client Id:
Data File: 3G69002.D
Analysis Date: 07/31/12 17:01
Date Rec/Extracted: NA-07/31/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.025	U	11097-69-1	Aroclor-1254	0.025	U
11104-28-2	Aroclor-1221	0.025	U	11096-82-5	Aroclor-1260	0.025	U
11141-16-5	Aroclor-1232	0.025	U	37324-23-5	Aroclor-1262	0.025	U
53469-21-9	Aroclor-1242	0.025	U	11100-14-4	Aroclor-1268	0.025	U
12672-29-6	Aroclor-1248	0.025	U				

Worksheet #: 235595 ***Total Target Concentration*** 0 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

2071832 0254

Data Path : G:\Gcdata\2012\GC_3\Data\07-31-12\
Data File : 3G69002.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 31 Jul 2012 17:01
Operator : MS/JP
Sample : SMB14968
Misc : S,PCB
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 31 17:51:07 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0729.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Fri Jul 20 09:39:58 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	4.085	3.988	811017	1471665	82.235m	79.584
45)	DCB-Surrogate	10.386	10.816	927416	1990600	101.270m	111.375

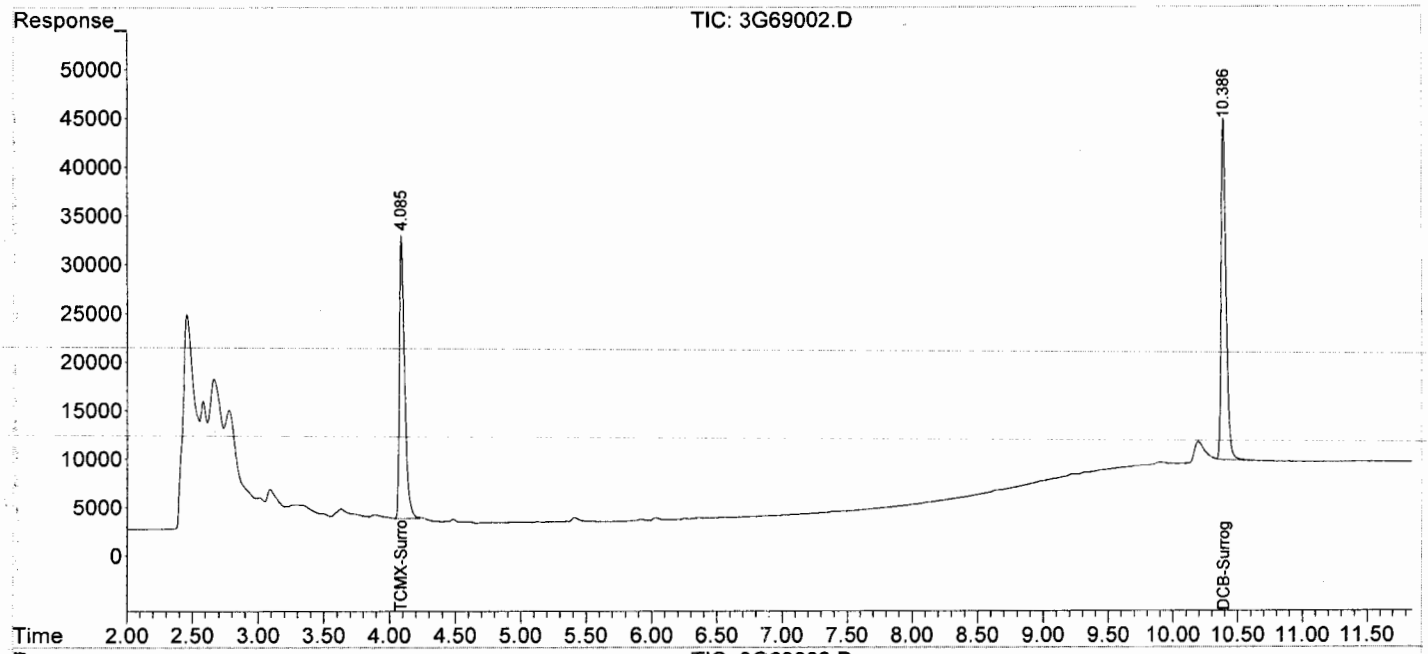
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

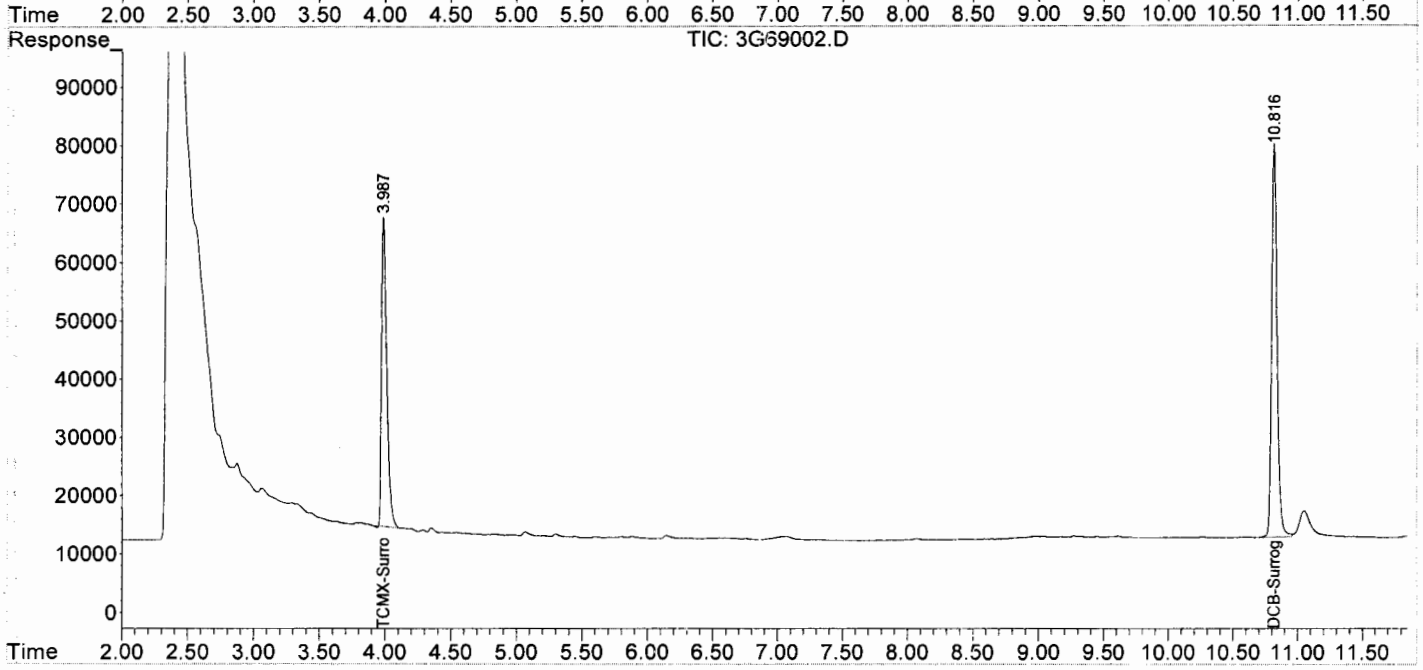
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_3\Data\07-31-12\
Data File : 3G69002.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 31 Jul 2012 17:01
Operator : MS/JP
Sample : SMB14968
Misc : S,PCB
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 31 17:51:07 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0729.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Fri Jul 20 09:39:58 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





FORM2

Surrogate Recovery

Method: EPA 8082

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column2 S2 Recov	Column1 S3 Recov	Column2 S4 Recov	Column0 S5 Recov	Column0 S6 Recov
3G68959.D	SMB14954	Soil	07/30/12 13:17	1		82	79	103	100		
3G69002.D	SMB14968	Soil	07/31/12 17:01	1		82	80	101	111		
3G68964.D	AC67152-001	Soil	07/30/12 14:38	1		71	68	78	78		
3G68988.D	AC67152-002	Soil	07/31/12 09:45	1		81	74	43	41		
3G69015.D	AC67152-003	Soil	07/31/12 20:54	1		85	85	105	110		
3G69016.D	AC67152-004	Soil	07/31/12 21:10	1		79	78	98	103		
3G68973.D	AC67152-005	Soil	07/30/12 18:00	1		85	78	96	95		
3G68974.D	AC67152-006	Soil	07/30/12 18:16	1		83	80	90	88		
3G69020.D	AC67152-007	Soil	07/31/12 22:11	1		69	67	88	90		
3G69021.D	AC67152-008	Soil	07/31/12 22:26	1		59	59	73	75		
3G69022.D	AC67152-009	Soil	07/31/12 22:41	1		73	73	92	95		
3G68960.D	SMB14954(M	Soil	07/30/12 13:33	1		87	85	107	106		
3G68969.D	AC67152-001(	Soil	07/30/12 16:59	1		78	79	94	92		
3G68970.D	AC67152-001(	Soil	07/30/12 17:15	1		83	82	98	98		
3G69003.D	SMB14968(M	Soil	07/31/12 17:51	1		82	82	102	112		
3G69006.D	AC67152-004(	Soil	07/31/12 18:36	1		77	78	97	104		
3G69007.D	AC67152-004(	Soil	07/31/12 18:52	1		60	62	77	83		

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: EPA 8082

Soil Limits

Compound	Spike Amt	Limits
S1=TCMX-Surrogate	100	37-141
S2=TCMX-Surrogate	100	37-141
S3=DCB-Surrogate	100	34-146
S4=DCB-Surrogate	100	34-146

Form3
Recovery Data
QC Batch: SMB14954

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3G68960.D	SMB14954(MS)	7/30/2012 1:33:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8082 Matrix: Soil QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Aroclor-1016 -Total	1	899.572	0	1000	90	30	163
Aroclor-1260 -Total	1	1031.632	0	1000	103	25	166

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: SMB14968

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3G69003.D	SMB14968(MS)	7/31/2012 5:51:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8082 Matrix: Soil QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Aroclor-1016 -Total	1	818.106	0	1000	82	30	163
Aroclor-1260 -Total	1	928.452	0	1000	93	25	166

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: SMB14954

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3G68969.D	AC67152-001(MS)	7/30/2012 4:59:00 PM
Non Spike(If applicable):	3G68964.D	AC67152-001	7/30/2012 2:38:00 PM
Inst Blank(If applicable):			

Method: 8082 Matrix: Soil QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Aroclor-1016 -Total	1	835.376	0	1000	84	30	163
Aroclor-1260 -Total	1	983.048	0	1000	98	25	166

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3G68970.D	AC67152-001(MSD)	7/30/2012 5:15:00 PM
Non Spike(If applicable):	3G68964.D	AC67152-001	7/30/2012 2:38:00 PM
Inst Blank(If applicable):			

Method: 8082 Matrix: Soil QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Aroclor-1016 -Total	1	849.996	0	1000	85	30	163
Aroclor-1260 -Total	1	993.828	0	1000	99	25	166

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
RPD DATA

QC Batch: SMB14954

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3G68970.D	AC67152-001(MSD)	7/30/2012 5:15:00 PM
Duplicate(If applicable):	3G68969.D	AC67152-001(MS)	7/30/2012 4:59:00 PM
Inst Blank(If applicable):			

Method: 8082 Matrix: Soil QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Aroclor-1016 -Total	1	849.996	835.376	1.7	40
Aroclor-1260 -Total	1	993.828	983.048	1.1	37

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Form3
Recovery Data
QC Batch: SMB14968

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3G69006.D	AC67152-004(MS)	7/31/2012 6:36:00 PM
Non Spike(If applicable):	3G69016.D	AC67152-004	7/31/2012 9:10:00 PM
Inst Blank(If applicable):			

Method: 8082 Matrix: Soil QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Aroclor-1016 -Total	1	794.588	0	1000	79	30	163
Aroclor-1260 -Total	1	925.95	0	1000	93	25	166

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3G69007.D	AC67152-004(MSD)	7/31/2012 6:52:00 PM
Non Spike(If applicable):	3G69016.D	AC67152-004	7/31/2012 9:10:00 PM
Inst Blank(If applicable):			

Method: 8082 Matrix: Soil QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Aroclor-1016 -Total	1	697.038	0	1000	70	30	163
Aroclor-1260 -Total	1	800.698	0	1000	80	25	166

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
RPD DATA

QC Batch: SMB14968

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3G69007.D	AC67152-004(MSD)	7/31/2012 6:52:00 PM
Duplicate(If applicable):	3G69006.D	AC67152-004(MS)	7/31/2012 6:36:00 PM
Inst Blank(If applicable):			

Method: 8082 Matrix: Soil QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Aroclor-1016 -Total	1	697.038	794.588	13	40
Aroclor-1260 -Total	1	800.698	925.95	15	37

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

FORM 4
Blank Summary

Blank Number: SMB14954
Blank Data File: 3G68959.D
Matrix: Soil

Blank Analysis Date: 07/30/12 13:17
Blank Extraction Date: 07/30/12
(If Applicable)
Method: EPA 8082

Sample Number	Data File	Analysis Date
AC67152-001	3G68964.D	07/30/12 14:38
AC67152-002	3G68988.D	07/31/12 09:45
AC67152-005	3G68973.D	07/30/12 18:00
AC67152-006	3G68974.D	07/30/12 18:16
AC67152-001(MSD	3G68970.D	07/30/12 17:15
AC67152-001(MS)	3G68969.D	07/30/12 16:59
SMB14954(MS)	3G68960.D	07/30/12 13:33

FORM 4
Blank Summary

Blank Number: SMB14968
Blank Data File: 3G69002.D
Matrix: Soil

Blank Analysis Date: 07/31/12 17:01
Blank Extraction Date: 07/31/12
(If Applicable)
Method: EPA 8082

Sample Number	Data File	Analysis Date
AC67152-003	3G69015.D	07/31/12 20:54
AC67152-004	3G69016.D	07/31/12 21:10
AC67152-007	3G69020.D	07/31/12 22:11
AC67152-008	3G69021.D	07/31/12 22:26
AC67152-009	3G69022.D	07/31/12 22:41
AC67152-004(MSD	3G69007.D	07/31/12 18:52
AC67152-004(MS)	3G69006.D	07/31/12 18:36
SMB14968(MS)	3G69003.D	07/31/12 17:51

Form 5

Method: EPA 8082

Instrument: GC_3

Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Data File	Sample#	Analysis Date/Time	Matrix	Reference File	Column 1 RT	Column 1 % Drift	Column 2 RT	Column 2 % Drift
3G68600.D	500PPB	07/19/12 23:12	Aqueous					
3G68601.D	500PPB	07/19/12 23:28	Aqueous					
3G68602.D	500PPB	07/19/12 23:43	Aqueous					
3G68603.D	CAL 3268@500PPB	07/19/12 23:59	Aqueous	3G68608.	10.4025	0.0019	10.8228	0.0083
3G68604.D	CAL 1242@500PPB	07/20/12 00:15	Aqueous	3G68608.	10.4017	0.0096	10.8228	0.0083
3G68605.D	CAL 1248@500PPB	07/20/12 00:30	Aqueous	3G68608.	10.4004	0.0221	10.8227	0.0074
3G68606.D	CAL 2154@500PPB	07/20/12 00:46	Aqueous	3G68608.	10.4031	0.0038	10.8229	0.0092
3G68607.D	CAL 1262@500PPB	07/20/12 01:02	Aqueous	3G68608.	10.4031	0.0038	10.8239	0.0185
3G68608.D	CAL 1660@50PPB	07/20/12 01:18	Aqueous	3G68608.	10.4027	0	10.8219	0
3G68609.D	CAL 1660@200PPB	07/20/12 01:33	Aqueous	3G68608.	10.4028	0.001	10.8224	0.0046
3G68610.D	CAL 1660@500PPB	07/20/12 01:49	Aqueous	3G68608.	10.4023	0.0039	10.8234	0.0139
3G68611.D	CAL 1660@1000PPB	07/20/12 02:05	Aqueous	3G68608.	10.4034	0.0067	10.8254	0.0323
3G68612.D	CAL 1660@2000PPB	07/20/12 02:20	Aqueous	3G68608.	10.4030	0.0029	10.8239	0.0185
3G68613.D	CAL 1660@4000PPB	07/20/12 02:36	Aqueous	3G68608.	10.4022	0.0048	10.8233	0.0129
3G68614.D	ICV@1000PPB	07/20/12 02:52	Aqueous	3G68608.	10.4015	0.0115	10.8217	0.0019
3G68615.D	DDT CHECK STD	07/20/12 03:08	Aqueous	3G68608.	0.0000	200 *	0.0000	200 *
3G68616.D	WMB14869	07/20/12 03:23	Aqueous	3G68608.	10.4021	0.0058	10.8231	0.0111
3G68617.D	AC66967-005(MS)	07/20/12 03:39	Soil	3G68608.	10.4011	0.0154	10.8230	0.0102
3G68618.D	AC66967-005(MSD)	07/20/12 03:55	Soil	3G68608.	10.4021	0.0058	10.8240	0.0194
3G68619.D	SMB14872(MS)	07/20/12 04:10	Soil	3G68608.	10.4041	0.0135	10.8259	0.037
3G68620.D	SMB14873(MS)	07/20/12 04:26	Soil	3G68608.	10.4034	0.0067	10.8233	0.0129
3G68621.D	AC66967-001	07/20/12 04:42	Soil	3G68608.	10.4018	0.0087	10.8227	0.0074
3G68622.D	AC66967-003	07/20/12 04:58	Soil	3G68608.	10.4030	0.0029	10.8240	0.0194
3G68623.D	AC66967-005	07/20/12 05:13	Soil	3G68608.	10.4026	0.001	10.8245	0.024
3G68624.D	AC66967-006	07/20/12 05:29	Soil	3G68608.	10.4031	0.0038	10.8237	0.0166
3G68625.D	AC66967-014	07/20/12 05:45	Soil	3G68608.	10.4030	0.0029	10.8243	0.0222
3G68626.D	AC66967-015	07/20/12 06:01	Soil	3G68608.	10.4031	0.0038	10.8238	0.0176
3G68627.D	AC66967-017	07/20/12 06:16	Soil	3G68608.	10.4016	0.0106	10.8237	0.0166
3G68628.D	AC66967-018	07/20/12 06:31	Soil	3G68608.	10.4002	0.024	10.8220	0.0009
3G68629.D	AC67070-002	07/20/12 06:47	Soil	3G68608.	10.4023	0.0039	10.8238	0.0176
3G68630.D	AC67070-003	07/20/12 07:02	Soil	3G68608.	10.4013	0.0135	10.8237	0.0166
3G68631.D	AC67081-001	07/20/12 07:17	Soil	3G68608.	10.4008	0.0183	10.8230	0.0102
3G68632.D	AC67081-002	07/20/12 07:32	Soil	3G68608.	10.4018	0.0087	10.8234	0.0139
3G68633.D	CAL 1660@1000PPB	07/20/12 07:48	Soil	3G68608.	10.4016	0.0106	10.8233	0.0129
3G68634.D	2000PPB	07/20/12 08:03	Soil	3G68633.	10.4004	0.0115	10.8219	0.0129
3G68635.D	AC67081-003	07/20/12 08:18	Soil	3G68633.	10.4005	0.0106	10.8226	0.0065
3G68636.D	AC67081-004	07/20/12 08:34	Soil	3G68633.	10.4017	0.001	10.8238	0.0046
3G68637.D	AC67081-005	07/20/12 08:49	Soil	3G68633.	10.4017	0.001	10.8248	0.0139
3G68638.D	AC67081-006	07/20/12 09:04	Soil	3G68633.	10.4025	0.0087	10.8245	0.0111
3G68639.D	AC67066-001	07/20/12 09:20	Soil	3G68633.	10.4030	0.0135	10.8256	0.0212
3G68640.D	AC67066-002	07/20/12 09:35	Soil	3G68633.	10.4027	0.0106	10.8247	0.0129
3G68641.D	AC66967-002	07/20/12 09:50	Soil	3G68633.	10.4029	0.0125	10.8244	0.0102
3G68642.D	AC66967-004	07/20/12 10:06	Soil	3G68633.	10.4019	0.0029	10.8252	0.0176
3G68643.D	AC66967-016	07/20/12 10:21	Soil	3G68633.	10.4033	0.0163	10.8256	0.0212
3G68644.D	AC67070-001	07/20/12 10:36	Soil	3G68633.	10.4030	0.0135	10.8258	0.0231
3G68645.D	CAL 1660@2000PPB	07/20/12 10:52	Soil	3G68633.	10.4022	0.0058	10.8253	0.0185
3G68646.D	2000PPB	07/20/12 11:07	Soil	3G68645.	10.4029	0.0067	10.8258	0.0046
3G68647.D	MBS	07/20/12 11:22	Aqueous	3G68645.	10.4030	0.0077	10.8261	0.0074

Drift Compound: DCB-Surrogate

Drift Limit(s): 0.5 (Pest/Pcb) 1.5(Herb/Tph)

* - Values outside of limits for this column/run

Form 5

Method: EPA 8082

Instrument: GC_3 Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Data File	Sample#	Analysis Date/Time	Matrix	Reference File	Column 1 RT	Column 1 % Drift	Column 2 RT	Column 2 % Drift
3G68941.D	CAL 1660@500PPB	07/30/12 08:10	Soil	3G68941.	10.3959	0	10.8183	0
3G68942.D	SMB14949	07/30/12 08:25	Soil	3G68941.	10.3903	0.0539	10.8173	0.0092
3G68943.D	SMB14949(MS)	07/30/12 08:40	Soil	3G68941.	10.3887	0.0693	10.8165	0.0166
3G68944.D	AC67316-015	07/30/12 08:55	Soil	3G68941.	10.3882	0.0741	10.8181	0.0019
3G68945.D	AC67316-015(MS)	07/30/12 09:11	Soil	3G68941.	10.3886	0.0702	10.8183	0
3G68946.D	AC67316-015(MSD)	07/30/12 09:26	Soil	3G68941.	10.3896	0.0606	10.8177	0.0055
3G68947.D	AC67316-001	07/30/12 09:41	Soil	3G68941.	10.3897	0.0597	10.8182	0.0009
3G68948.D	AC67316-002	07/30/12 09:56	Soil	3G68941.	10.3875	0.0808	10.8177	0.0055
3G68949.D	AC67316-003	07/30/12 10:12	Soil	3G68941.	10.3874	0.0818	10.8178	0.0046
3G68950.D	AC67316-004	07/30/12 10:27	Soil	3G68941.	10.3880	0.076	10.8175	0.0074
3G68951.D	AC67316-005	07/30/12 10:54	Soil	3G68941.	10.3936	0.0221	10.8192	0.0083
3G68952.D	AC67316-006	07/30/12 11:09	Soil	3G68941.	10.3887	0.0693	10.8172	0.0102
3G68953.D	AC67316-007	07/30/12 11:24	Soil	3G68941.	10.3875	0.0808	10.8159	0.0222
3G68954.D	AC67316-008	07/30/12 11:39	Soil	3G68941.	10.3887	0.0693	10.8177	0.0055
3G68955.D	AC67316-009	07/30/12 11:54	Soil	3G68941.	10.3875	0.0808	10.8162	0.0194
3G68956.D	CAL 1660@1000PPB	07/30/12 12:24	Soil	3G68941.	10.3937	0.0212	10.8186	0.0028
3G68957.D	AC67316-012(10X)	07/30/12 12:45	Soil	3G68956.	10.3934	0.0029	10.8171	0.0139
3G68958.D	1000PPB	07/30/12 13:01	Soil	3G68956.	10.3872	0.0626	10.8156	0.0277
3G68959.D	SMB14954	07/30/12 13:17	Soil	3G68956.	10.3883	0.052	10.8161	0.0231
3G68960.D	SMB14954(MS)	07/30/12 13:33	Soil	3G68956.	10.3866	0.0683	10.8159	0.025
3G68961.D	AC67279-001	07/30/12 13:49	Soil	3G68956.	10.3905	0.0308	10.8189	0.0028
3G68962.D	AC67279-001	07/30/12 14:04	Soil	3G68956.	10.3902	0.0337	10.8189	0.0028
3G68963.D	CAL 1660@1000PPB	07/30/12 14:20	Soil	3G68956.	10.3884	0.051	10.8170	0.0148
3G68964.D	AC67152-001	07/30/12 14:38	Soil	3G68963.	10.3923	0.0375	10.8188	0.0166
3G68965.D	WMB14958	07/30/12 15:50	Aqueous	3G68963.	10.3941	0.0549	10.8171	0.0009
3G68966.D	WMB14958(MS)	07/30/12 16:14	Aqueous	3G68963.	10.3928	0.0423	10.8167	0.0028
3G68967.D	AC67271-001(MS)	07/30/12 16:29	Aqueous	3G68963.	10.3864	0.0193	10.8158	0.0111
3G68968.D	AC67271-001(MSD)	07/30/12 16:44	Aqueous	3G68963.	10.3860	0.0231	10.8148	0.0203
3G68969.D	AC67152-001(MS)	07/30/12 16:59	Soil	3G68963.	10.3858	0.025	10.8165	0.0046
3G68970.D	AC67152-001(MSD)	07/30/12 17:15	Soil	3G68963.	10.3879	0.0048	10.8176	0.0055
3G68971.D	AC67118-001	07/30/12 17:30	Soil	3G68963.	10.3924	0.0385	10.8197	0.025
3G68972.D	AC67118-011	07/30/12 17:45	Soil	3G68963.	10.3909	0.0241	10.8196	0.024
3G68973.D	AC67152-005	07/30/12 18:00	Soil	3G68963.	10.3897	0.0125	10.8194	0.0222
3G68974.D	AC67152-006	07/30/12 18:16	Soil	3G68963.	10.3889	0.0048	10.8177	0.0065
3G68975.D	AC67106-001	07/30/12 18:31	Soil	3G68963.	10.3961	0.0741	10.8222	0.0481
3G68976.D	AC67106-002	07/30/12 18:46	Soil	3G68963.	10.3957	0.0702	10.8222	0.0481
3G68977.D	AC67250-006	07/30/12 19:02	Soil	3G68963.	10.3895	0.0106	10.8185	0.0139
3G68978.D	SMB14959	07/30/12 19:17	OIL/OTHER	3G68963.	10.3891	0.0067	10.8170	0
3G68979.D	CAL 1660@1000PPB	07/30/12 19:32	OIL/OTHER	3G68963.	10.3877	0.0067	10.8184	0.0129
3G68980.D	2000PPB	07/30/12 19:48	OIL/OTHER	3G68979.	10.3876	0.001	10.8175	0.0083

Drift Compound: DCB-Surrogate Drift Limit(s): 0.5 (Pest/Pcb) 1.5(Herb/Tph) * - Values outside of limits for this column/run

Form 5

Method: EPA 8082

Instrument: GC_3

Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Data File	Sample#	Analysis Date/Time	Matrix	Reference File	Column 1 RT	Column 1 % Drift	Column 2 RT	Column 2 % Drift
3G68981.D	CAL 1660@500PPB	07/31/12 07:55	Soil	3G68981.	10.3977	0	10.8206	0
3G68982.D	SMB14959(MS)	07/31/12 08:13	OIL/OTHER	3G68981.	10.3927	0.0481	10.8196	0.0092
3G68983.D	AC67299-002	07/31/12 08:27	OIL/OTHER	3G68981.	10.3928	0.0471	10.8201	0.0046
3G68984.D	AC67299-005	07/31/12 08:42	OIL/OTHER	3G68981.	10.3899	0.075	10.8177	0.0268
3G68985.D	AC67299-004	07/31/12 09:01	OIL/OTHER	3G68981.	10.3975	0.0019	10.8237	0.0286
3G68986.D	AC67299-005(MS)	07/31/12 09:16	OIL/OTHER	3G68981.	10.3915	0.0596	10.8204	0.0018
3G68987.D	AC67299-005(MSD)	07/31/12 09:30	OIL/OTHER	3G68981.	10.3917	0.0577	10.8211	0.0046
3G68988.D	AC67152-002	07/31/12 09:45	Soil	3G68981.	10.3934	0.0414	10.8224	0.0166
3G68989.D	CAL 1660@500PPB	07/31/12 10:21	OIL/OTHER	3G68981.	10.3865	0.1078	10.8153	0.049
3G68990.D	AC67271-001	07/31/12 10:44	Aqueous	3G68989.	10.3920	0.0529	10.8172	0.0176
3G68991.D	AC67271-003	07/31/12 10:59	Aqueous	3G68989.	10.3857	0.0077	10.8155	0.0019
3G68992.D	AC67271-005	07/31/12 11:14	Aqueous	3G68989.	10.3864	0.001	10.8156	0.0028
3G68993.D	AC67271-007	07/31/12 11:29	Aqueous	3G68989.	10.3842	0.0221	10.8146	0.0065
3G68994.D	AC67271-009	07/31/12 11:43	Aqueous	3G68989.	10.3836	0.0279	10.8149	0.0037
3G68995.D	AC67271-012	07/31/12 11:58	Aqueous	3G68989.	10.3856	0.0087	10.8150	0.0028
3G68996.D	AC67299-001	07/31/12 12:13	Aqueous	3G68989.	10.3857	0.0077	10.8143	0.0093
3G68997.D	AC67311-004	07/31/12 12:28	Aqueous	3G68989.	10.3861	0.0039	10.8150	0.0028
3G68998.D	AC67299-003	07/31/12 12:43	Aqueous	3G68989.	10.3860	0.0048	10.8161	0.0074
3G68999.D	CAL 1660@500PPB	07/31/12 13:13	Aqueous	3G68989.	10.3952	0.0837	10.8187	0.0314
3G69000.D	AC67311-001	07/31/12 16:31	Soil	3G68999.	10.3952	0	10.8194	0.0065
3G69001.D	AC67311-002	07/31/12 16:46	Soil	3G68999.	10.3877	0.0722	10.8170	0.0157
3G69002.D	SMB14968	07/31/12 17:01	Soil	3G68999.	10.3864	0.0847	10.8162	0.0231
3G69003.D	SMB14968(MS)	07/31/12 17:51	Soil	3G68999.	10.3966	0.0135	10.8192	0.0046
3G69004.D	SMB14970	07/31/12 18:06	Soil	3G68999.	10.3863	0.0857	10.8160	0.025
3G69005.D	SMB14970(MS)	07/31/12 18:21	Soil	3G68999.	10.3872	0.077	10.8159	0.0259
3G69006.D	AC67152-004(MS)	07/31/12 18:36	Soil	3G68999.	10.3863	0.0857	10.8154	0.0305
3G69007.D	AC67152-004(MSD)	07/31/12 18:52	Soil	3G68999.	10.3875	0.0741	10.8168	0.0176
3G69008.D	AC67169-010	07/31/12 19:07	Soil	3G68999.	10.3891	0.0587	10.8185	0.0019
3G69009.D	AC67204-006	07/31/12 19:22	Soil	3G68999.	10.3898	0.052	10.8173	0.0129
3G69010.D	AC67204-009	07/31/12 19:38	Soil	3G68999.	10.3883	0.0664	10.8183	0.0037
3G69011.D	AC67204-012	07/31/12 19:53	Soil	3G68999.	10.3876	0.0731	10.8172	0.0139
3G69012.D	AC67204-014	07/31/12 20:08	Soil	3G68999.	10.3864	0.0847	10.8155	0.0296
3G69013.D	AC67204-017	07/31/12 20:23	Soil	3G68999.	10.3903	0.0471	10.8185	0.0019
3G69014.D	AC67314-001	07/31/12 20:39	Soil	3G68999.	10.3881	0.0683	10.8170	0.0157
3G69015.D	AC67152-003	07/31/12 20:54	Soil	3G68999.	10.3847	0.1011	10.8152	0.0324
3G69016.D	AC67152-004	07/31/12 21:10	Soil	3G68999.	10.3851	0.0972	10.8166	0.0194
3G69017.D	CAL 1660@1000PPB	07/31/12 21:25	Soil	3G68999.	10.3861	0.0876	10.8155	0.0296
3G69018.D	2000PPB	07/31/12 21:40	Soil	3G69017.	10.3860	0.001	10.8162	0.0065
3G69019.D	AC67204-015	07/31/12 21:55	Soil	3G69017.	10.4010	0.1434	10.8254	0.0915
3G69020.D	AC67152-007	07/31/12 22:11	Soil	3G69017.	10.3871	0.0096	10.8176	0.0194
3G69021.D	AC67152-008	07/31/12 22:26	Soil	3G69017.	10.3850	0.0106	10.8163	0.0074
3G69022.D	AC67152-009	07/31/12 22:41	Soil	3G69017.	10.3850	0.0106	10.8156	0.0009
3G69023.D	CAL 1660@1000PPB	07/31/12 22:56	Soil	3G69017.	10.3868	0.0067	10.8167	0.0111
3G69024.D	2000PPB	07/31/12 23:12	Soil	3G69023.	10.3878	0.0096	10.8173	0.0055

Drift Compound: DCB-Surrogate Drift Limit(s): 0.5 (Pest/Pcb) 1.5(Herb/Tph) * - Values outside of limits for this column/run

Method: EPA 8082

Initial Calibration

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	3G68608.	CAL 1660@50PPB	07/20/12 01:18	2	3G68609.	CAL 1660@200PPB	07/20/12 01:33
3	3G68610.	CAL 1660@500PPB	07/20/12 01:49	4	3G68611.	CAL 1660@1000PPB	07/20/12 02:05
5	3G68612.	CAL 1660@2000PPB	07/20/12 02:20	6	3G68613.	CAL 1660@4000PPB	07/20/12 02:36
7	3G68603.	CAL 3268@500PPB	07/19/12 23:59	8	3G68604.	CAL 1242@500PPB	07/20/12 00:15
9	3G68605.	CAL 1248@500PPB	07/20/12 00:30	10	3G68606.	CAL 2154@500PPB	07/20/12 00:46
11	3G68607.	CAL 1262@500PPB	07/20/12 01:02				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8
TCMX-Surrogate	1	0	Avg	0.9596	0.9411	0.9929	1.0032	1.0202	1.0001	----	----	0.986	4.09	1.00	1.00	3.0	5.00	20.00	50.00	100.0	200.0	400.0		
Aroclor-1016	1	1	Qua	0.0332	0.0290	0.0284	0.0262	0.0241	0.0222	----	----	0.0272	4.58	0.997	1.00	14	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1016	1	2	Qua	0.0613	0.0548	0.0519	0.0474	0.0438	0.0398	----	----	0.0499	4.95	0.997	1.00	16	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1016	1	3	Qua	0.1139	0.1039	0.1003	0.0928	0.0873	0.0808	----	----	0.0965	5.41	0.998	1.00	12	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1016	1	4	Avg	0.0494	0.0476	0.0465	0.0435	0.0412	0.0383	----	----	0.0445	5.55	0.998	1.00	9.5	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1016	1	5	Avg	0.0317	0.0316	0.0313	0.0299	0.0289	0.0273	----	----	0.0302	5.66	0.999	1.00	5.8	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1260	1	1	Qua	0.0660	0.0613	0.0582	0.0533	0.0497	0.0459	----	----	0.0558	7.28	0.998	1.00	13	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1260	1	2	Qua	0.0765	0.0707	0.0668	0.0610	0.0577	0.0538	----	----	0.0645	7.53	0.998	1.00	13	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1260	1	3	Avg	0.0271	0.0270	0.0270	0.0261	0.0259	0.0261	----	----	0.0266	8.02	1.00	1.00	2.1	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1260	1	4	Avg	0.0463	0.0450	0.0433	0.0410	0.0393	0.0376	----	----	0.0421	8.32	0.999	1.00	8.0	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1260	1	5	Avg	0.0681	0.0681	0.0672	0.0667	0.0649	0.0644	----	----	0.0666	9.04	1.00	1.00	2.4	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1221	1	1	Avg	----	----	----	----	----	----	----	----	0.0153	4.38	-1	-1	Lvl=10	500.0							
Aroclor-1221	1	2	Avg	----	----	----	----	----	----	----	----	0.00978	4.52	-1	-1	Lvl=10	500.0							
Aroclor-1221	1	3	Avg	----	----	----	----	----	----	----	----	0.0425	4.58	-1	-1	Lvl=10	500.0							
Aroclor-1232	1	1	Avg	----	----	----	----	----	----	----	----	0.0266	4.58	-1	-1	Lvl=7	500.0							
Aroclor-1232	1	2	Avg	----	----	----	----	----	----	----	----	0.0238	4.95	-1	-1	Lvl=7	500.0							
Aroclor-1232	1	3	Avg	----	----	----	----	----	----	----	----	0.0414	5.41	-1	-1	Lvl=7	500.0							
Aroclor-1232	1	4	Avg	----	----	----	----	----	----	----	----	0.0185	5.55	-1	-1	Lvl=7	500.0							
Aroclor-1232	1	5	Avg	----	----	----	----	----	----	----	----	0.0195	6.02	-1	-1	Lvl=7	500.0							
Aroclor-1242	1	1	Avg	----	----	----	----	----	----	----	----	0.0255	4.58	-1	-1	Lvl=8	500.0							
Aroclor-1242	1	2	Avg	----	----	----	----	----	----	----	----	0.0432	4.95	-1	-1	Lvl=8	500.0							
Aroclor-1242	1	3	Avg	----	----	----	----	----	----	----	----	0.0839	5.41	-1	-1	Lvl=8	500.0							
Aroclor-1242	1	4	Avg	----	----	----	----	----	----	----	----	0.0568	5.77	-1	-1	Lvl=8	500.0							
Aroclor-1242	1	5	Avg	----	----	----	----	----	----	----	----	0.0373	6.02	-1	-1	Lvl=8	500.0							
Aroclor-1248	1	1	Avg	----	----	----	----	----	----	----	----	0.0213	4.95	-1	-1	Lvl=9	500.0							
Aroclor-1248	1	2	Avg	----	----	----	----	----	----	----	----	0.0512	5.41	-1	-1	Lvl=9	500.0							
Aroclor-1248	1	3	Avg	----	----	----	----	----	----	----	----	0.0851	5.76	-1	-1	Lvl=9	500.0							
Aroclor-1248	1	4	Avg	----	----	----	----	----	----	----	----	0.0479	6.12	-1	-1	Lvl=9	500.0							
Aroclor-1248	1	5	Avg	----	----	----	----	----	----	----	----	0.0555	6.71	-1	-1	Lvl=9	500.0							
Aroclor-1254	1	1	Avg	----	----	----	----	----	----	----	----	0.0246	6.92	-1	-1	Lvl=10	500.0							
Aroclor-1254	1	2	Avg	----	----	----	----	----	----	----	----	0.0815	7.12	-1	-1	Lvl=10	500.0							
Aroclor-1254	1	3	Avg	----	----	----	----	----	----	----	----	0.0448	7.29	-1	-1	Lvl=10	500.0							
Aroclor-1254	1	4	Avg	----	----	----	----	----	----	----	----	0.0680	7.40	-1	-1	Lvl=10	500.0							
Aroclor-1254	1	5	Avg	----	----	----	----	----	----	----	----	0.0340	7.79	-1	-1	Lvl=10	500.0							
Aroclor-1262	1	1	Avg	----	----	----	----	----	----	----	----	0.0772	7.96	-1	-1	Lvl=11	500.0							
Aroclor-1262	1	2	Avg	----	----	----	----	----	----	----	----	0.0485	8.97	-1	-1	Lvl=11	500.0							

Avg Rsd Col 1: 8.90 Avg Rsd Col 2: 7.57

Flags

c - failed the initial calibration criteria(if applicable)

Note:

Col = Column Number
Mr = MultiPeak Analyte 0=single peak analyte..>0=multi peak analyte (i.e. pch/chlordane etc..)
Fit = Indicates whehter Avg RF, Linear, or Quadratic Curve was used for compound.
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.

All Response Factors = Response Factors / 10000
Initial Calibration Criteria: either %RSD <=20 or Corr >= .995
Columns: Signal #1 db-1701 : Signal #2 db-608

^Lvl: These compounds use a single pt calibration as specified by the method. The file used to update this calibration point is listed in the header under level #

2071832 0268

Method: EPA 8082

Initial Calibration

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	3G68608.	CAL 1660@50PPB	07/20/12 01:18	2	3G68609.	CAL 1660@200PPB	07/20/12 01:33
3	3G68610.	CAL 1660@500PPB	07/20/12 01:49	4	3G68611.	CAL 1660@1000PPB	07/20/12 02:05
5	3G68612.	CAL 1660@2000PPB	07/20/12 02:20	6	3G68613.	CAL 1660@4000PPB	07/20/12 02:36
7	3G68603.	CAL 3268@500PPB	07/19/12 23:59	8	3G68604.	CAL 1242@500PPB	07/20/12 00:15
9	3G68605.	CAL 1248@500PPB	07/20/12 00:30	10	3G68606.	CAL 2154@500PPB	07/20/12 00:46
11	3G68607.	CAL 1262@500PPB	07/20/12 01:02				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8
Aroclor-1262	1	3	Avg	----	----	----	----	----	----	----	----	0.0973	9.03	-1	-1	Lvl=11	500.0							
Aroclor-1262	1	4	Avg	----	----	----	----	----	----	----	----	0.0408	9.79	-1	-1	Lvl=11	500.0							
Aroclor-1262	1	5	Avg	----	----	----	----	----	----	----	----	0.0145	10.17	-1	-1	Lvl=11	500.0							
Aroclor-1268	1	1	Avg	----	----	----	----	----	----	----	----	0.0167	8.31	-1	-1	Lvl=7	500.0							
Aroclor-1268	1	2	Avg	----	----	----	----	----	----	----	----	0.0159	8.63	-1	-1	Lvl=7	500.0							
Aroclor-1268	1	3	Avg	----	----	----	----	----	----	----	----	0.108	9.22	-1	-1	Lvl=7	500.0							
Aroclor-1268	1	4	Avg	----	----	----	----	----	----	----	----	0.0347	9.32	-1	-1	Lvl=7	500.0							
Aroclor-1268	1	5	Avg	----	----	----	----	----	----	----	----	0.269	10.17	-1	-1	Lvl=7	500.0							
DCB-Surrogate	1	0	Avg	1.0020	0.9656	0.9424	0.8911	0.8647	0.8286	----	----	0.916	10.40	0.999	1.00	7.1	5.00	20.00	50.00	100.0	200.0	400.0		
TCMX-Surrogate	2	0	Avg	1.8103	1.7950	1.9068	1.8640	1.8731	1.8456	----	----	1.85	3.98	1.00	1.00	2.2	5.00	20.00	50.00	100.0	200.0	400.0		
Aroclor-1016	2	1	Avg	0.0461	0.0456	0.0457	0.0432	0.0409	0.0383	----	----	0.0433	4.57	0.998	1.00	7.2	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1016	2	2	Qua	0.1045	0.0947	0.0922	0.0840	0.0775	0.0705	----	----	0.0873	4.99	0.997	1.00	14	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1016	2	3	Avg	0.2055	0.1936	0.1943	0.1792	0.1707	0.1598	----	----	0.184	5.37	0.999	1.00	9.2	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1016	2	4	Qua	0.0904	0.0819	0.0813	0.0746	0.0692	0.0638	----	----	0.0769	5.69	0.998	1.00	12	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1016	2	5	Qua	0.0665	0.0584	0.0581	0.0534	0.0506	0.0466	----	----	0.0556	6.06	0.998	1.00	13	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1260	2	1	Qua	0.1328	0.1253	0.1192	0.1091	0.1027	0.0964	----	----	0.114	7.35	0.999	1.00	12	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1260	2	2	Avg	0.1611	0.1540	0.1533	0.1447	0.1410	0.1367	----	----	0.148	7.43	1.00	1.00	6.2	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1260	2	3	Avg	0.1220	0.1175	0.1153	0.1099	0.1099	0.1092	----	----	0.114	8.42	1.00	1.00	4.6	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1260	2	4	Avg	0.0983	0.0985	0.1021	0.1003	0.1042	0.1069	----	----	0.102	9.12	1.00	1.00	3.3	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1260	2	5	Avg	0.0586	0.0594	0.0603	0.0592	0.0607	0.0618	----	----	0.0600	9.72	1.00	1.00	1.9	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1221	2	1	Avg	----	----	----	----	----	----	----	----	0.0311	4.36	-1	-1	Lvl=10	500.0							
Aroclor-1221	2	2	Avg	----	----	----	----	----	----	----	----	0.0165	4.51	-1	-1	Lvl=10	500.0							
Aroclor-1221	2	3	Avg	----	----	----	----	----	----	----	----	0.0632	4.57	-1	-1	Lvl=10	500.0							
Aroclor-1232	2	1	Avg	----	----	----	----	----	----	----	----	0.0449	4.57	-1	-1	Lvl=7	500.0							
Aroclor-1232	2	2	Avg	----	----	----	----	----	----	----	----	0.0426	4.99	-1	-1	Lvl=7	500.0							
Aroclor-1232	2	3	Avg	----	----	----	----	----	----	----	----	0.0809	5.36	-1	-1	Lvl=7	500.0							
Aroclor-1232	2	4	Avg	----	----	----	----	----	----	----	----	0.0341	5.54	-1	-1	Lvl=7	500.0							
Aroclor-1232	2	5	Avg	----	----	----	----	----	----	----	----	0.0226	6.20	-1	-1	Lvl=7	500.0							
Aroclor-1242	2	1	Avg	----	----	----	----	----	----	----	----	0.0414	4.57	-1	-1	Lvl=8	500.0							
Aroclor-1242	2	2	Avg	----	----	----	----	----	----	----	----	0.0785	4.99	-1	-1	Lvl=8	500.0							
Aroclor-1242	2	3	Avg	----	----	----	----	----	----	----	----	0.165	5.37	-1	-1	Lvl=8	500.0							
Aroclor-1242	2	4	Avg	----	----	----	----	----	----	----	----	0.0686	5.69	-1	-1	Lvl=8	500.0							
Aroclor-1242	2	5	Avg	----	----	----	----	----	----	----	----	0.0571	6.06	-1	-1	Lvl=8	500.0							
Aroclor-1248	2	1	Avg	----	----	----	----	----	----	----	----	0.0361	4.99	-1	-1	Lvl=9	500.0							
Aroclor-1248	2	2	Avg	----	----	----	----	----	----	----	----	0.0977	5.36	-1	-1	Lvl=9	500.0							
Aroclor-1248	2	3	Avg	----	----	----	----	----	----	----	----	0.0726	5.69	-1	-1	Lvl=9	500.0							

Avg Rsd Col 1: 8.90 Avg Rsd Col 2: 7.57

Flags

c - failed the initial calibration criteria(if applicable)

Note:

Col = Column Number
Mr = MultiPeak Analyte 0=single peak analyte..>0=multi peak analyte (i.e. pcb/chlordane etc..)
Fit = Indicates whehter Avg RF, Linear, or Quadratic Curve was used for compound.
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.

All Response Factors = Response Factors / 10000
Initial Calibration Criteria: either %RSD <=20 or Corr >= .995
Columns: Signal #1 db-1701 : Signal #2 db-608

^Lvl: These compounds use a single pt calibration as specified by the method. The file used to update this calibration point is listed in the header under level #

2071832 0269

2071832 0270

Method: EPA 8082

Initial Calibration

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	3G68608.	CAL 1660@50PPB	07/20/12 01:18	2	3G68609.	CAL 1660@200PPB	07/20/12 01:33
3	3G68610.	CAL 1660@500PPB	07/20/12 01:49	4	3G68611.	CAL 1660@1000PPB	07/20/12 02:05
5	3G68612.	CAL 1660@2000PPB	07/20/12 02:20	6	3G68613.	CAL 1660@4000PPB	07/20/12 02:36
7	3G68603.	CAL 3268@500PPB	07/19/12 23:59	8	3G68604.	CAL 1242@500PPB	07/20/12 00:15
9	3G68605.	CAL 1248@500PPB	07/20/12 00:30	10	3G68606.	CAL 2154@500PPB	07/20/12 00:46
11	3G68607.	CAL 1262@500PPB	07/20/12 01:02				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8
Aroclor-1248	2	4	Avg	----	----	----	----	----	----	----	----	0.0695	6.20	-1	-1	Lvl=9	500.0							
Aroclor-1248	2	5	Avg	----	----	----	----	----	----	----	----	0.0931	6.33	-1	-1	Lvl=9	500.0							
Aroclor-1254	2	1	Avg	----	----	----	----	----	----	----	----	0.131	6.55	-1	-1	Lvl=10	500.0							
Aroclor-1254	2	2	Avg	----	----	----	----	----	----	----	----	0.0374	6.89	-1	-1	Lvl=10	500.0							
Aroclor-1254	2	3	Avg	----	----	----	----	----	----	----	----	0.131	7.28	-1	-1	Lvl=10	500.0							
Aroclor-1254	2	4	Avg	----	----	----	----	----	----	----	----	0.0576	7.79	-1	-1	Lvl=10	500.0							
Aroclor-1254	2	5	Avg	----	----	----	----	----	----	----	----	0.0531	8.48	-1	-1	Lvl=10	500.0							
Aroclor-1262	2	1	Avg	----	----	----	----	----	----	----	----	0.136	7.85	-1	-1	Lvl=11	500.0							
Aroclor-1262	2	2	Avg	----	----	----	----	----	----	----	----	0.125	9.01	-1	-1	Lvl=11	500.0							
Aroclor-1262	2	3	Avg	----	----	----	----	----	----	----	----	0.130	9.12	-1	-1	Lvl=11	500.0							
Aroclor-1262	2	4	Avg	----	----	----	----	----	----	----	----	0.126	9.72	-1	-1	Lvl=11	500.0							
Aroclor-1262	2	5	Avg	----	----	----	----	----	----	----	----	0.0291	10.27	-1	-1	Lvl=11	500.0							
Aroclor-1268	2	1	Avg	----	----	----	----	----	----	----	----	0.0266	8.51	-1	-1	Lvl=7	500.0							
Aroclor-1268	2	2	Avg	----	----	----	----	----	----	----	----	0.0484	8.55	-1	-1	Lvl=7	500.0							
Aroclor-1268	2	3	Avg	----	----	----	----	----	----	----	----	0.0704	9.62	-1	-1	Lvl=7	500.0							
Aroclor-1268	2	4	Avg	----	----	----	----	----	----	----	----	0.0976	9.72	-1	-1	Lvl=7	500.0							
Aroclor-1268	2	5	Avg	----	----	----	----	----	----	----	----	0.573	10.27	-1	-1	Lvl=7	500.0							
DCB-Surrogate	2	0	Avg	1.9009	1.8568	1.8184	1.7349	1.7241	1.6884	----	----	1.79	10.82	1.00	1.00	4.7	5.00	20.00	50.00	100.0	200.0	400.0		

Avg Rsd Col 1: 8.90 Avg Rsd Col 2: 7.57

Flags

c - failed the initial calibration criteria(if applicable)

Note:

Col = Column Number
Mr = MultiPeak Analyte 0=single peak analyte..>0=multi peak analyte (i.e. pcb/chlordane etc..)
Fit = Indicates whehter Avg RF, Linear, or Quadratic Curve was used for compound.
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.

All Response Factors = Response Factors / 10000
Initial Calibration Criteria: either %RSD <=20 or Corr >= .995
Columns: Signal #1 db-1701 : Signal #2 db-608

^Lvl: These compounds use a single pt calibration as specified by the method. The file used to update this calibration point is listed in the header under level #

Form7
Continuing Calibration

Method: EPA 8082

Data File:				3G68956.D			3G68963.D			3G68979.D			3G68981.D			3G68989.D		
Method:				8082			8082			8082			8082			8082		
Calibration Name:				CAL 1660@1000PP			CAL 1660@1000PP			CAL 1660@1000PP			CAL 1660@500PP			CAL 1660@500PP		
Calibration Date/Time				07/30/12 12:24			07/30/12 14:20			07/30/12 19:32			07/31/12 07:55			07/31/12 10:21		
Compound	Limit	Col	Mr	Conc	Conc Exp	%Diff	Conc	Conc Exp	%Diff	Conc	Conc Exp	%Diff	Conc	Conc Exp	%Diff	Conc	Conc Exp	%Diff
TCMX-Surrogate	15	1	0	95.59	100	4.4	95.49	100	4.5	99.13	100	0.9	44.46	50	11.1	43.04	50	13.9
Aroclor-1016	15	1	1	959.6	1000	4.0	936.1	1000	6.4	988.7	1000	1.1	499.4	500	0.1	487.4	500	2.5
Aroclor-1016	15	1	2	965.2	1000	3.5	954.3	1000	4.6	998.6	1000	0.1	502.7	500	0.5	490.9	500	1.8
Aroclor-1016	15	1	3	945.2	1000	5.5	941.1	1000	5.9	993.4	1000	0.7	482.4	500	3.5	475.8	500	4.8
Aroclor-1016	15	1	4	944.9	1000	5.5	919.7	1000	8.0	982.7	1000	1.7	480.7	500	3.9	484.2	500	3.2
Aroclor-1016	15	1	5	929.0	1000	7.1	916.2	1000	8.4	970.7	1000	2.9	469.9	500	6.0	471.1	500	5.8
Aroclor-1260	15	1	1	988.9	1000	1.1	961.9	1000	3.8	1038	1000	3.8	503.3	500	0.7	514.9	500	3.0
Aroclor-1260	15	1	2	992.2	1000	0.8	967.7	1000	3.2	1040	1000	4.0	503.8	500	0.8	515.3	500	3.1
Aroclor-1260	15	1	3	976	1000	2.4	935.8	1000	6.4	1023	1000	2.3	456.8	500	8.6	491.2	500	1.8
Aroclor-1260	15	1	4	973.7	1000	2.6	945.5	1000	5.5	1008	1000	0.8	491.9	500	1.6	505.6	500	1.1
Aroclor-1260	15	1	5	964.8	1000	3.5	989.8	1000	1.0	1022	1000	2.2	478.6	500	4.3	507.9	500	1.6
DCB-Surrogate	15	1	0	107.3	100	7.3	106.7	100	6.7	101.8	100	1.8	49.96	50	0.1	56.66	50	13.3
Average Difference	15	1	0			4.0			5.4			1.9			3.4			4.7
TCMX-Surrogate	15	2	0	99.88	100	0.1	95.8	100	4.2	99.29	100	0.7	52.13	50	4.3	44.96	50	10.1
Aroclor-1016	15	2	1	1023	1000	2.3	905.6	1000	9.4	971.6	1000	2.8	572.5	500	14.5	478.4	500	4.3
Aroclor-1016	15	2	2	998.3	1000	0.2	911.5	1000	8.8	984.9	1000	1.5	572.6	500	14.5	494.9	500	1.0
Aroclor-1016	15	2	3	943.8	1000	5.6	877.5	1000	12.3	951.2	1000	4.9	549.1	500	9.8	485.6	500	2.9
Aroclor-1016	15	2	4	938.7	1000	6.1	888.7	1000	11.1	979.3	1000	2.1	561.5	500	12.3	500.3	500	0.1
Aroclor-1016	15	2	5	953.8	1000	4.6	863.2	1000	13.7	966.9	1000	3.3	557.7	500	11.5	495.6	500	0.9
Aroclor-1260	15	2	1	1004	1000	0.4	911.9	1000	8.8	1017	1000	1.7	557.5	500	11.5	526.2	500	5.2
Aroclor-1260	15	2	2	948.4	1000	5.2	873.6	1000	12.6	979.8	1000	2.0	517.7	500	3.5	504.6	500	0.9
Aroclor-1260	15	2	3	969.7	1000	3.0	898.8	1000	10.1	975.3	1000	2.5	532	500	6.4	500.9	500	0.2
Aroclor-1260	15	2	4	988.1	1000	1.2	918.3	1000	8.2	1018	1000	1.8	512.1	500	2.4	512.1	500	2.4
Aroclor-1260	15	2	5	1059	1000	5.9	1022	1000	2.2	1065	1000	6.5	534.9	500	7.0	556.0	500	11.2
DCB-Surrogate	15	2	0	108.8	100	8.8	103.8	100	3.8	101.7	100	1.7	53.04	50	6.1	57.47	50	14.9
Average Difference	15	2	0			3.6			8.8			2.6			8.7			4.5

Flags/Notes: **** - Values outside of limits for this column/run***

Form7
Continuing Calibration

Method: EPA 8082

Data File:				3G68999.D			3G69017.D			3G69023.D									
Method:				8082			8082			8082									
Calibration Name:				CAL 1660@500PP			CAL 1660@1000PP			CAL 1660@1000PP									
Calibration Date/Time				07/31/12 13:13			07/31/12 21:25			07/31/12 22:56									
Compound	Limit	Col	Mr	Conc	Conc Exp	%Diff	Conc	Conc Exp	%Diff	Conc	Conc Exp	%Diff	Conc	Conc Exp	%Diff	Conc	Conc Exp	%Diff
TCMX-Surrogate	15	1	0	43.07	50	13.9	93.47	100	6.5	94.01	100	6.0						
Aroclor-1016	15	1	1	418.2	500	16.4*	929.9	1000	7.0	942.1	1000	5.8						
Aroclor-1016	15	1	2	451.1	500	9.8	958.4	1000	4.2	967.4	1000	3.3						
Aroclor-1016	15	1	3	454.5	500	9.1	957.9	1000	4.2	968.7	1000	3.1						
Aroclor-1016	15	1	4	435.0	500	13.0	943.5	1000	5.7	959.8	1000	4.0						
Aroclor-1016	15	1	5	428.1	500	14.4	938.3	1000	6.2	955.5	1000	4.5						
Aroclor-1260	15	1	1	460.8	500	7.8	1004	1000	0.4	1024	1000	2.4						
Aroclor-1260	15	1	2	467.6	500	6.5	1010	1000	1.0	1027	1000	2.7						
Aroclor-1260	15	1	3	415.8	500	16.8*	978.0	1000	2.2	995.5	1000	0.5						
Aroclor-1260	15	1	4	451.8	500	9.6	988.8	1000	1.1	1004	1000	0.4						
Aroclor-1260	15	1	5	526.7	500	5.3	1016	1000	1.6	1032	1000	3.2						
DCB-Surrogate	15	1	0	52.08	50	4.2	110.7	100	10.7	112.1	100	12.1						
Average Difference	15	1	0			10.6			4.2			4.0						
TCMX-Surrogate	15	2	0	46.48	50	7.0	94.46	100	5.5	95.33	100	4.7						
Aroclor-1016	15	2	1	457.1	500	8.6	925.2	1000	7.5	928.2	1000	7.2						
Aroclor-1016	15	2	2	466.3	500	6.7	963.4	1000	3.7	965.6	1000	3.4						
Aroclor-1016	15	2	3	458.2	500	8.4	943.8	1000	5.6	945.5	1000	5.5						
Aroclor-1016	15	2	4	474	500	5.2	968.9	1000	3.1	974.1	1000	2.6						
Aroclor-1016	15	2	5	466.1	500	6.8	950.8	1000	4.9	957.9	1000	4.2						
Aroclor-1260	15	2	1	525.5	500	5.1	1027	1000	2.7	1024	1000	2.4						
Aroclor-1260	15	2	2	513.6	500	2.7	974.3	1000	2.6	972.7	1000	2.7						
Aroclor-1260	15	2	3	508.1	500	1.6	994.1	1000	0.6	1004	1000	0.4						
Aroclor-1260	15	2	4	529.7	500	5.9	1052	1000	5.2	1061	1000	6.1						
Aroclor-1260	15	2	5	591	500	18.2*	1157	1000	15.7*	1152	1000	15.2						
DCB-Surrogate	15	2	0	60.4	50	20.8*	116.6	100	16.6*	116.7	100	16.7*						
Average Difference	15	2	0			8.1			6.1			5.9						

Flags/Notes: **** - Values outside of limits for this column/run***

Form7
RtWindow Summary

Method: EPA 8082

			Data File:	3G68608.D		3G68956.D		3G68963.D		3G68981.D		3G68999.D	
			Calibration Name:	CAL 1660@50PPB		CAL 1660@1000PPB		CAL 1660@1000PPB		CAL 1660@500PPB		CAL 1660@500PPB	
			Calibration Date/Time	7/20/2012 1:18:00 AM		7/30/2012 12:24:00 PM		7/30/2012 2:20:00 PM		7/31/2012 7:55:00 AM		7/31/2012 1:13:00 PM	
Compound	Col	Mr		Cal RT	Limit	Cal RT	Limit	Cal RT	Limit	Cal RT	Limit	Cal RT	Limit
TCMX-Surrogate	1	0		4.08	(4.02 - 4.14)	4.08	(4.02 - 4.14)	4.08	(4.02 - 4.14)	4.09	(4.03 - 4.15)	4.09	(4.03 - 4.15)
Aroclor-1016	1	1		4.58	(4.54 - 4.62)	4.58	(4.54 - 4.62)	4.57	(4.53 - 4.61)	4.58	(4.54 - 4.62)	4.58	(4.54 - 4.62)
Aroclor-1016	1	2		4.95	(4.91 - 4.99)	4.94	(4.90 - 4.98)	4.94	(4.90 - 4.98)	4.95	(4.91 - 4.99)	4.95	(4.91 - 4.99)
Aroclor-1016	1	3		5.41	(5.37 - 5.45)	5.41	(5.37 - 5.45)	5.40	(5.36 - 5.44)	5.41	(5.37 - 5.45)	5.41	(5.37 - 5.45)
Aroclor-1016	1	4		5.55	(5.51 - 5.59)	5.54	(5.50 - 5.58)	5.54	(5.50 - 5.58)	5.55	(5.51 - 5.59)	5.55	(5.51 - 5.59)
Aroclor-1016	1	5		5.66	(5.62 - 5.70)	5.65	(5.61 - 5.69)	5.65	(5.61 - 5.69)	5.65	(5.61 - 5.69)	5.66	(5.62 - 5.70)
Aroclor-1260	1	1		7.28	(7.24 - 7.32)	7.27	(7.23 - 7.31)	7.27	(7.23 - 7.31)	7.28	(7.24 - 7.32)	7.28	(7.24 - 7.32)
Aroclor-1260	1	2		7.53	(7.49 - 7.57)	7.52	(7.48 - 7.56)	7.52	(7.48 - 7.56)	7.53	(7.49 - 7.57)	7.52	(7.48 - 7.56)
Aroclor-1260	1	3		8.02	(7.98 - 8.06)	8.01	(7.97 - 8.05)	8.00	(7.96 - 8.04)	8.01	(7.97 - 8.05)	8.01	(7.97 - 8.05)
Aroclor-1260	1	4		8.32	(8.28 - 8.36)	8.31	(8.27 - 8.35)	8.30	(8.26 - 8.34)	8.31	(8.27 - 8.35)	8.31	(8.27 - 8.35)
Aroclor-1260	1	5		9.04	(9.00 - 9.08)	9.03	(8.99 - 9.07)	9.02	(8.98 - 9.06)	9.03	(8.99 - 9.07)	9.03	(8.99 - 9.07)
Aroclor-1221	1	1		4.38	(4.34 - 4.42)								
Aroclor-1221	1	2		4.52	(4.48 - 4.56)								
Aroclor-1221	1	3		4.58	(4.54 - 4.62)								
Aroclor-1232	1	1		4.58	(4.54 - 4.62)								
Aroclor-1232	1	2		4.95	(4.91 - 4.99)								
Aroclor-1232	1	3		5.41	(5.37 - 5.45)								
Aroclor-1232	1	4		5.55	(5.51 - 5.59)								
Aroclor-1232	1	5		6.02	(5.98 - 6.06)								
Aroclor-1242	1	1		4.58	(4.54 - 4.62)								
Aroclor-1242	1	2		4.95	(4.91 - 4.99)								
Aroclor-1242	1	3		5.41	(5.37 - 5.45)								
Aroclor-1242	1	4		5.77	(5.73 - 5.81)								
Aroclor-1242	1	5		6.02	(5.98 - 6.06)								
Aroclor-1248	1	1		4.95	(4.91 - 4.99)								
Aroclor-1248	1	2		5.41	(5.37 - 5.45)								
Aroclor-1248	1	3		5.76	(5.72 - 5.80)								
Aroclor-1248	1	4		6.12	(6.08 - 6.16)								
Aroclor-1248	1	5		6.71	(6.67 - 6.75)								
Aroclor-1254	1	1		6.92	(6.88 - 6.96)								
Aroclor-1254	1	2		7.12	(7.08 - 7.16)								
Aroclor-1254	1	3		7.29	(7.25 - 7.33)								
Aroclor-1254	1	4		7.40	(7.36 - 7.44)								
Aroclor-1254	1	5		7.79	(7.75 - 7.83)								
Aroclor-1262	1	1		7.96	(7.92 - 8.00)								
Aroclor-1262	1	2		8.97	(8.93 - 9.01)								
Aroclor-1262	1	3		9.03	(8.99 - 9.07)								
Aroclor-1262	1	4		9.79	(9.75 - 9.83)								
Aroclor-1262	1	5		10.17	(10.13 - 10.21)								
Aroclor-1268	1	1		8.32	(8.28 - 8.36)								
Aroclor-1268	1	2		8.63	(8.59 - 8.67)								
Aroclor-1268	1	3		9.22	(9.18 - 9.26)								
Aroclor-1268	1	4		9.33	(9.29 - 9.37)								
Aroclor-1268	1	5		10.17	(10.13 - 10.21)								
DCB-Surrogate	1	0		10.40	(10.34 - 10.46)	10.39	(10.33 - 10.45)	10.39	(10.33 - 10.45)	10.40	(10.34 - 10.46)	10.40	(10.34 - 10.46)
TCMX-Surrogate	2	0		3.98	(3.92 - 4.04)	3.98	(3.92 - 4.04)	3.98	(3.92 - 4.04)	3.98	(3.92 - 4.04)	3.99	(3.93 - 4.05)
Aroclor-1016	2	1		4.57	(4.53 - 4.61)	4.57	(4.53 - 4.61)	4.57	(4.53 - 4.61)	4.57	(4.53 - 4.61)	4.57	(4.53 - 4.61)
Aroclor-1016	2	2		4.99	(4.95 - 5.03)	4.98	(4.94 - 5.02)	4.98	(4.94 - 5.02)	4.99	(4.95 - 5.03)	4.99	(4.95 - 5.03)
Aroclor-1016	2	3		5.36	(5.32 - 5.40)	5.36	(5.32 - 5.40)	5.36	(5.32 - 5.40)	5.36	(5.32 - 5.40)	5.36	(5.32 - 5.40)
Aroclor-1016	2	4		5.69	(5.65 - 5.73)	5.68	(5.64 - 5.72)	5.68	(5.64 - 5.72)	5.69	(5.65 - 5.73)	5.68	(5.64 - 5.72)
Aroclor-1016	2	5		6.06	(6.02 - 6.10)	6.05	(6.01 - 6.09)	6.05	(6.01 - 6.09)	6.05	(6.01 - 6.09)	6.05	(6.01 - 6.09)
Aroclor-1260	2	1		7.35	(7.31 - 7.39)	7.35	(7.31 - 7.39)	7.35	(7.31 - 7.39)	7.35	(7.31 - 7.39)	7.35	(7.31 - 7.39)
Aroclor-1260	2	2		7.43	(7.39 - 7.47)	7.43	(7.39 - 7.47)	7.43	(7.39 - 7.47)	7.43	(7.39 - 7.47)	7.43	(7.39 - 7.47)
Aroclor-1260	2	3		8.42	(8.38 - 8.46)	8.41	(8.37 - 8.45)	8.41	(8.37 - 8.45)	8.42	(8.38 - 8.46)	8.41	(8.37 - 8.45)
Aroclor-1260	2	4		9.12	(9.08 - 9.16)	9.11	(9.07 - 9.15)	9.11	(9.07 - 9.15)	9.12	(9.08 - 9.16)	9.11	(9.07 - 9.15)
Aroclor-1260	2	5		9.72	(9.68 - 9.76)	9.71	(9.67 - 9.75)	9.71	(9.67 - 9.75)	9.71	(9.67 - 9.75)	9.71	(9.67 - 9.75)
Aroclor-1221	2	1		4.36	(4.32 - 4.40)								
Aroclor-1221	2	2		4.51	(4.47 - 4.55)								
Aroclor-1221	2	3		4.57	(4.53 - 4.61)								
Aroclor-1232	2	1		4.57	(4.53 - 4.61)								
Aroclor-1232	2	2		4.99	(4.95 - 5.03)								
Aroclor-1232	2	3		5.36	(5.32 - 5.40)								
Aroclor-1232	2	4		5.54	(5.50 - 5.58)								
Aroclor-1232	2	5		6.20	(6.16 - 6.24)								
Aroclor-1242	2	1		4.57	(4.53 - 4.61)								
Aroclor-1242	2	2		4.99	(4.95 - 5.03)								
Aroclor-1242	2	3		5.36	(5.32 - 5.40)								
Aroclor-1242	2	4		5.69	(5.65 - 5.73)								
Aroclor-1242	2	5		6.06	(6.02 - 6.10)								
Aroclor-1248	2	1		4.99	(4.95 - 5.03)								
Aroclor-1248	2	2		5.36	(5.32 - 5.40)								
Aroclor-1248	2	3		5.69	(5.65 - 5.73)								
Aroclor-1248	2	4		6.20	(6.16 - 6.24)								
Aroclor-1248	2	5		6.33	(6.29 - 6.37)								
Aroclor-1254	2	1		6.55	(6.51 - 6.59)								
Aroclor-1254	2	2		6.89	(6.85 - 6.93)								
Aroclor-1254	2	3		7.28	(7.24 - 7.32)								
Aroclor-1254	2	4		7.79	(7.75 - 7.83)								
Aroclor-1254	2	5		8.48	(8.44 - 8.52)								
Aroclor-1262	2	1		7.85	(7.81 - 7.89)								
Aroclor-1262	2	2		9.01	(8.97 - 9.05)								
Aroclor-1262	2	3		9.12	(9.08 - 9.16)								
Aroclor-1262	2	4		9.72	(9.68 - 9.76)								
Aroclor-1262	2	5		10.27	(10.23 - 10.31)								
Aroclor-1268	2	1		8.51	(8.47 - 8.55)								
Aroclor-1268	2	2		8.55	(8.51 - 8.59)								
Aroclor-1268	2	3		9.62	(9.58 - 9.66)								
Aroclor-1268	2	4		9.72	(9.68 - 9.76)								
Aroclor-1268	2	5		10.27	(10.23 - 10.31)								
DCB-Surrogate	2	0		10.82	(10.76 - 10.88)	10.82	(10.76 - 10.88)	10.82	(10.76 - 10.88)	10.82	(10.76 - 10.88)	10.82	(10.76 - 10.88)

Form7

RtWindow Summary

Method: EPA 8082

Data File:			3G69017.D											
Calibration Name:			CAL 1660@1000PPB											
Calibration Date/Time			7/31/2012 9:25:00 PM											
Compound	Col	Mr	Cal RT	Limit	Cal RT	Limit	Cal RT	Limit	Cal RT	Limit	Cal RT	Limit
TCMX-Surrogate	1	0	4.09	(4.03 - 4.15)								
Aroclor-1016	1	1	4.58	(4.54 - 4.62)								
Aroclor-1016	1	2	4.94	(4.90 - 4.98)								
Aroclor-1016	1	3	5.40	(5.36 - 5.44)								
Aroclor-1016	1	4	5.54	(5.50 - 5.58)								
Aroclor-1016	1	5	5.65	(5.61 - 5.69)								
Aroclor-1260	1	1	7.27	(7.23 - 7.31)								
Aroclor-1260	1	2	7.52	(7.48 - 7.56)								
Aroclor-1260	1	3	8.00	(7.96 - 8.04)								
Aroclor-1260	1	4	8.30	(8.26 - 8.34)								
Aroclor-1260	1	5	9.02	(8.98 - 9.06)								
Aroclor-1221	1	1										
Aroclor-1221	1	2										
Aroclor-1221	1	3										
Aroclor-1232	1	1										
Aroclor-1232	1	2										
Aroclor-1232	1	3										
Aroclor-1232	1	4										
Aroclor-1232	1	5										
Aroclor-1242	1	1										
Aroclor-1242	1	2										
Aroclor-1242	1	3										
Aroclor-1242	1	4										
Aroclor-1242	1	5										
Aroclor-1248	1	1										
Aroclor-1248	1	2										
Aroclor-1248	1	3										
Aroclor-1248	1	4										
Aroclor-1248	1	5										
Aroclor-1254	1	1										
Aroclor-1254	1	2										
Aroclor-1254	1	3										
Aroclor-1254	1	4										
Aroclor-1254	1	5										
Aroclor-1262	1	1										
Aroclor-1262	1	2										
Aroclor-1262	1	3										
Aroclor-1262	1	4										
Aroclor-1262	1	5										
Aroclor-1268	1	1										
Aroclor-1268	1	2										
Aroclor-1268	1	3										
Aroclor-1268	1	4										
Aroclor-1268	1	5										
DCB-Surrogate	1	0	10.39	(10.33 - 10.45)								
TCMX-Surrogate	2	0	3.99	(3.93 - 4.05)								
Aroclor-1016	2	1	4.57	(4.53 - 4.61)								
Aroclor-1016	2	2	4.99	(4.95 - 5.03)								
Aroclor-1016	2	3	5.36	(5.32 - 5.40)								
Aroclor-1016	2	4	5.69	(5.65 - 5.73)								
Aroclor-1016	2	5	6.05	(6.01 - 6.09)								
Aroclor-1260	2	1	7.35	(7.31 - 7.39)								
Aroclor-1260	2	2	7.43	(7.39 - 7.47)								
Aroclor-1260	2	3	8.41	(8.37 - 8.45)								
Aroclor-1260	2	4	9.11	(9.07 - 9.15)								
Aroclor-1260	2	5	9.71	(9.67 - 9.75)								
Aroclor-1221	2	1										
Aroclor-1221	2	2										
Aroclor-1221	2	3										
Aroclor-1232	2	1										
Aroclor-1232	2	2										
Aroclor-1232	2	3										
Aroclor-1232	2	4										
Aroclor-1232	2	5										
Aroclor-1242	2	1										
Aroclor-1242	2	2										
Aroclor-1242	2	3										
Aroclor-1242	2	4										
Aroclor-1242	2	5										
Aroclor-1248	2	1										
Aroclor-1248	2	2										
Aroclor-1248	2	3										
Aroclor-1248	2	4										
Aroclor-1248	2	5										
Aroclor-1254	2	1										
Aroclor-1254	2	2										
Aroclor-1254	2	3										
Aroclor-1254	2	4										
Aroclor-1254	2	5										
Aroclor-1262	2	1										
Aroclor-1262	2	2										
Aroclor-1262	2	3										
Aroclor-1262	2	4										
Aroclor-1262	2	5										
Aroclor-1268	2	1										
Aroclor-1268	2	2										
Aroclor-1268	2	3										
Aroclor-1268	2	4										
Aroclor-1268	2	5										
DCB-Surrogate	2	0	10.82	(10.76 - 10.88)								

Pesticide Data

Form1

ORGANICS PESTICIDE REPORT

Sample Number: AC67152-001
Client Id: MW-1 A
Data File: 5G41292.D
Analysis Date: 07/31/12 06:23
Date Rec/Extracted: 07/18/12-07/30/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 93

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
309-00-2	Aldrin	0.0054	U	7421-93-4	Endrin Aldehyde	0.0054	U
319-84-6	alpha-BHC	0.0011	U	53494-70-5	Endrin Ketone	0.0054	U
319-85-7	beta-BHC	0.0011	U	58-89-9	gamma-BHC	0.0011	U
57-74-9	Chlordane	0.027	U	76-44-8	Heptachlor	0.0054	U
319-86-8	delta-BHC	0.0054	U	1024-57-3	Heptachlor Epoxide	0.0054	U
60-57-1	Dieldrin	0.0011	U	72-43-5	Methoxychlor	0.0054	U
959-98-8	Endosulfan I	0.0054	U	72-54-8	p,p'-DDD	0.0027	U
33213-65-9	Endosulfan II	0.0054	U	72-55-9	p,p'-DDE	0.0027	U
1031-07-8	Endosulfan Sulfate	0.0054	U	50-29-3	p,p'-DDT	0.0027	U
72-20-8	Endrin	0.0054	U	8001-35-2	Toxaphene	0.027	U

Worksheet #: 235616

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration use

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_5\Data\07-31-12\
Data File : 5G41292.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 31-Jul-12, 06:23:17
Operator : JP/MS
Sample : AC67152-001
Misc : S,PEST
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Jul 31 08:44:30 2012
Quant Method : G:\GCDATA\2012\GC_5\METHODQT\5G_PEST0723.M
Quant Title : @GC_5,ug,608,8081
QLast Update : Tue Jul 24 08:02:35 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	6.236	6.045	126.7E6	96411301	67.464	69.297
22)DCB-Surrogate	13.201	13.409	86848489	71619940	65.010m	65.213

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

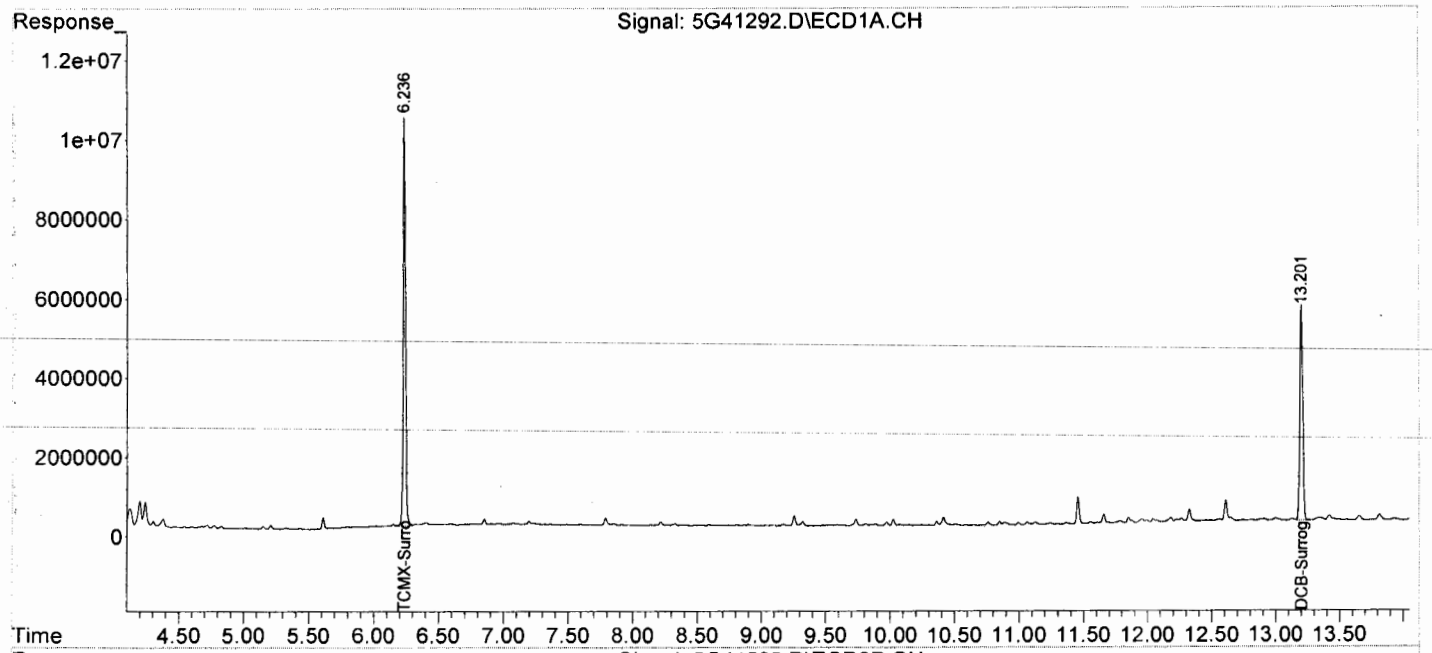
M

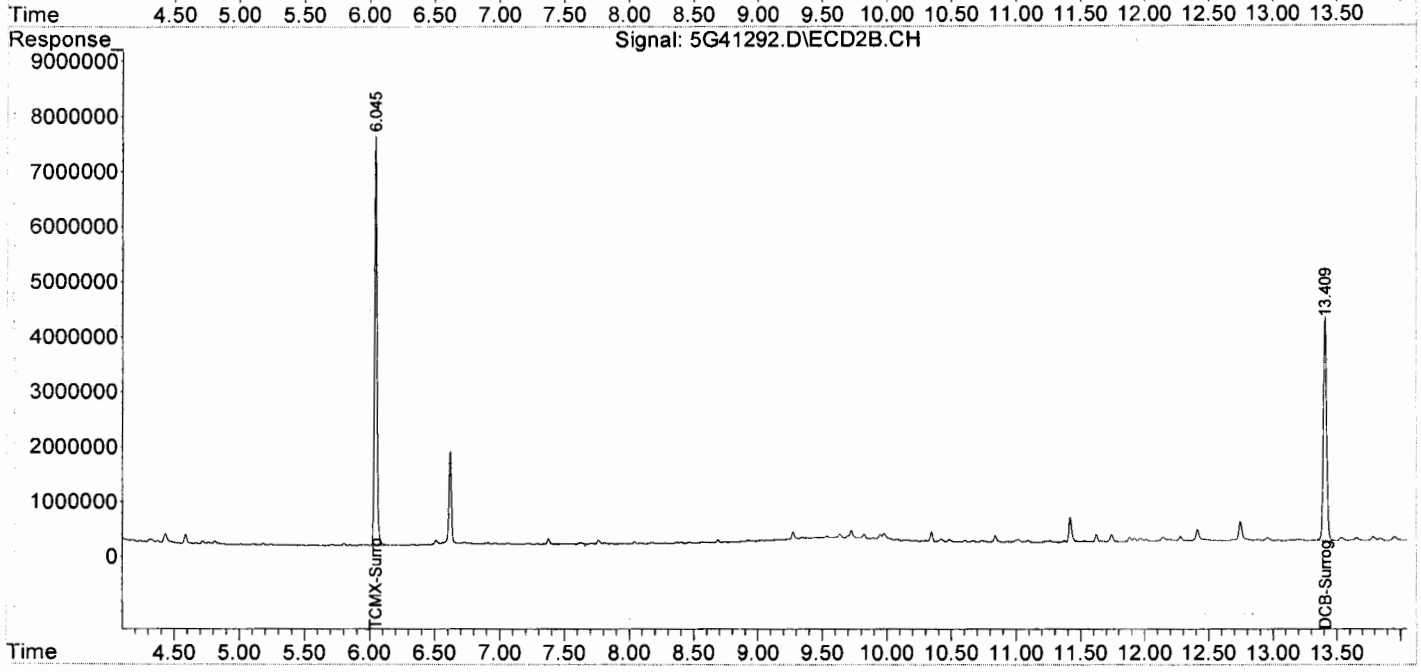
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_5\Data\07-31-12\
Data File : 5G41292.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 31-Jul-12, 06:23:17
Operator : JP/MS
Sample : AC67152-001
Misc : S,PEST
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Jul 31 08:44:30 2012
Quant Method : G:\GCDATA\2012\GC_5\METHODQT\5G_PEST0723.M
Quant Title : @GC_5,ug,608,8081
QLast Update : Tue Jul 24 08:02:35 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AC67152-002
Client Id: MW-2 A
Data File: 6G34520.D
Analysis Date: 07/31/12 09:44
Date Rec/Extracted: 07/18/12-07/30/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 92

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
309-00-2	Aldrin	0.0054	U	7421-93-4	Endrin Aldehyde	0.0054	U
319-84-6	alpha-BHC	0.0011	U	53494-70-5	Endrin Ketone	0.0054	U
319-85-7	beta-BHC	0.0011	U	58-89-9	gamma-BHC	0.0011	U
57-74-9	Chlordane	0.027	U	76-44-8	Heptachlor	0.0054	U
319-86-8	delta-BHC	0.0054	U	1024-57-3	Heptachlor Epoxide	0.0054	U
60-57-1	Dieldrin	0.0011	U	72-43-5	Methoxychlor	0.0054	U
959-98-8	Endosulfan I	0.0054	U	**72-54-8**	**p,p'-DDD**	**0.0027**	**0.0036 d**
33213-65-9	Endosulfan II	0.0054	U	72-55-9	p,p'-DDE	0.0027	U
1031-07-8	Endosulfan Sulfate	0.0054	U	50-29-3	p,p'-DDT	0.0027	U
72-20-8	Endrin	0.0054	U	8001-35-2	Toxaphene	0.027	U

Worksheet #: 235616

Total Target Concentration 0.0036

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration use

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_6\Data\07-31-12\
Data File : 6G34520.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 31 Jul 2012 9:44
Operator : JP/MS
Sample : AC67152-002
Misc : S,PEST
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Jul 31 11:11:24 2012
Quant Method : G:\GCDATA\2012\GC_6\METHODQT\6G_P0726.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Thu Jul 26 11:57:02 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	5.146	4.935	971448	678293	85.186	74.073
15)p,p'-DDD	9.841	9.358	76597	114459	6.558m	14.588m#
22)DCB-Surrogate	12.455	12.611	796885	691541	52.490m	61.317

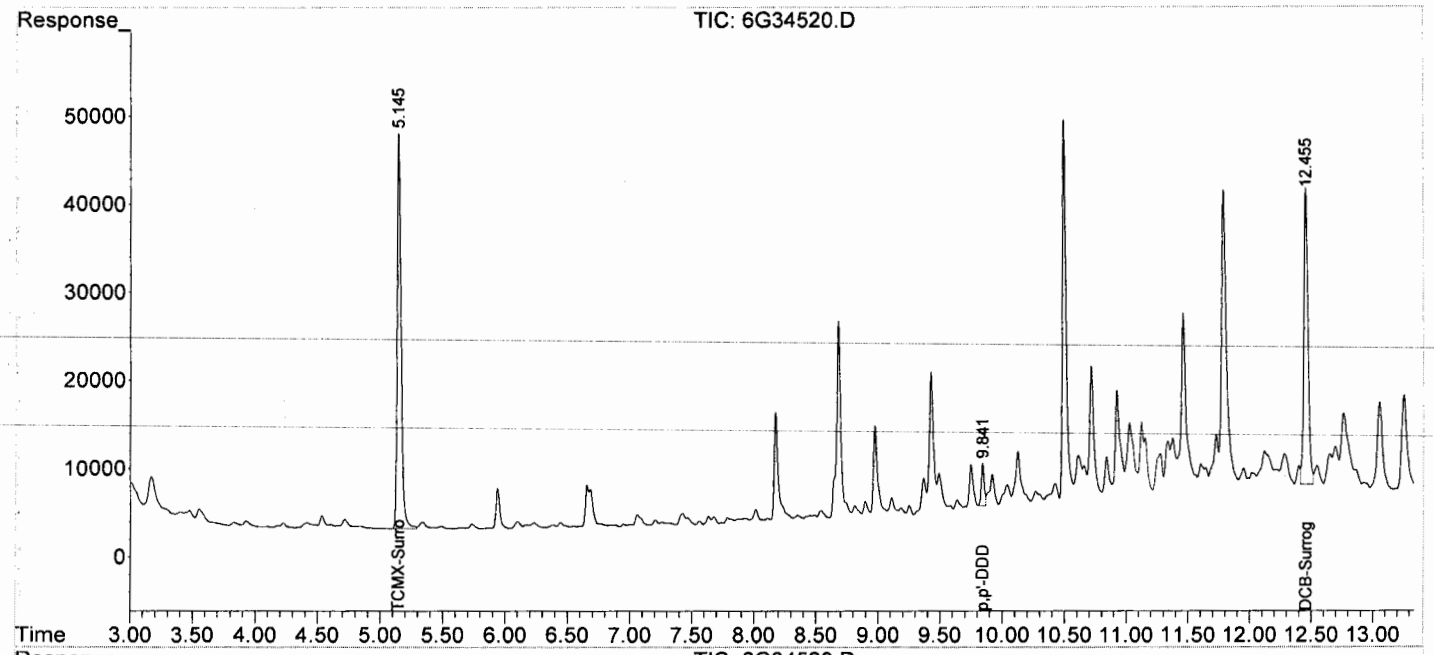
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

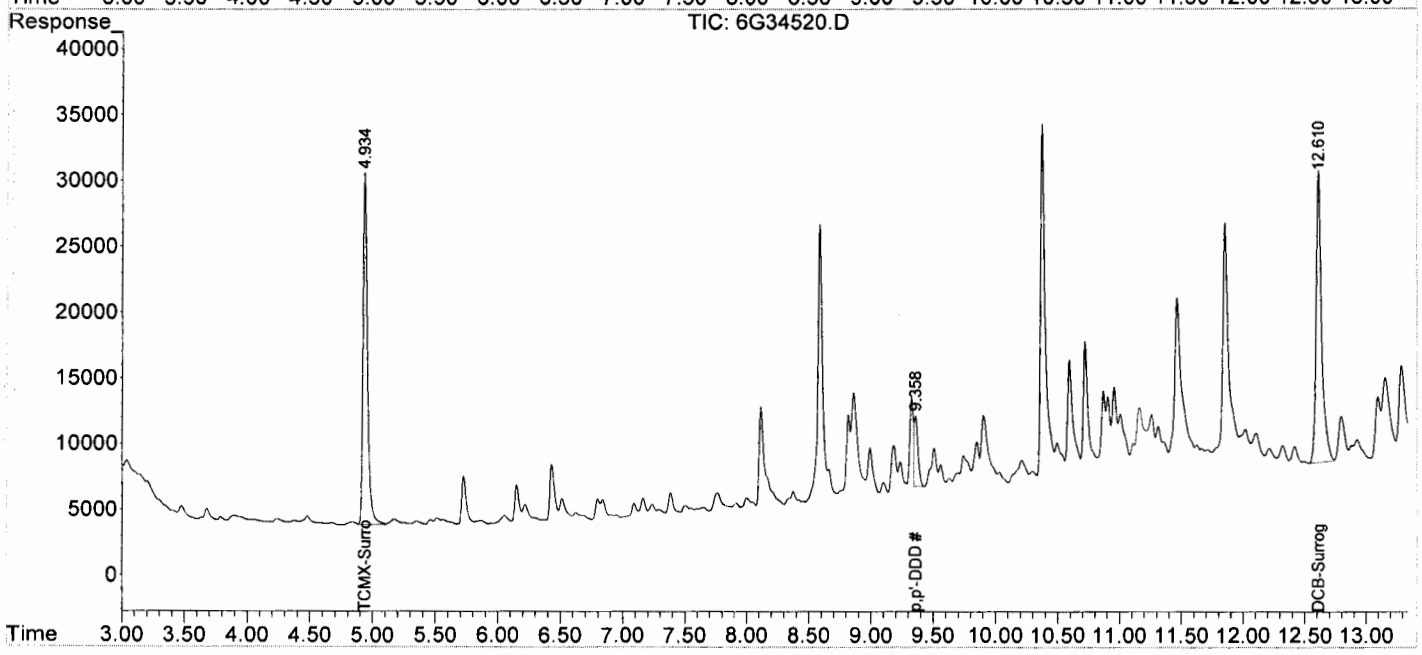
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_6\Data\07-31-12\
Data File : 6G34520.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 31 Jul 2012 9:44
Operator : JP/MS
Sample : AC67152-002
Misc : S,PEST
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Jul 31 11:11:24 2012
Quant Method : G:\GCDATA\2012\GC_6\METHODQT\6G_P0726.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Thu Jul 26 11:57:02 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AC67152-003
Client Id: MW-3 A
Data File: 6G34550.D
Analysis Date: 08/01/12 10:15
Date Rec/Extracted: 07/18/12-07/31/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 90

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
309-00-2	Aldrin	0.0056	U	7421-93-4	Endrin Aldehyde	0.0056	U
319-84-6	alpha-BHC	0.0011	U	53494-70-5	Endrin Ketone	0.0056	U
319-85-7	beta-BHC	0.0011	U	58-89-9	gamma-BHC	0.0011	U
57-74-9	**Chlordane**	**0.028**	**0.29**	76-44-8	Heptachlor	0.0056	U
319-86-8	delta-BHC	0.0056	U	1024-57-3	Heptachlor Epoxide	0.0056	U
60-57-1	Dieldrin	0.0011	U	72-43-5	Methoxychlor	0.0056	U
959-98-8	Endosulfan I	0.0056	U	72-54-8	p,p'-DDD	0.0028	U
33213-65-9	Endosulfan II	0.0056	U	72-55-9	p,p'-DDE	0.0028	U
1031-07-8	Endosulfan Sulfate	0.0056	U	50-29-3	p,p'-DDT	0.0028	U
72-20-8	Endrin	0.0056	U	8001-35-2	Toxaphene	0.028	U

Worksheet #: 235616

Total Target Concentration 0.29

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration use

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_6\Data\08-0112\
Data File : 6G34550.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 1 Aug 2012 10:15
Operator : MS
Sample : AC67152-003
Misc : S,PEST
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Aug 01 11:30:53 2012
Quant Method : G:\GCDATA\2012\GC_6\METHODQT\6G_P0726.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Thu Jul 26 11:57:02 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	5.140	4.929	1055618	801078	92.567	87.482
22) DCB-Surrogate	12.458	12.609	1257322	934768	85.413	84.088m
24) Chlordane {2}	8.742	8.174	630618	674438	617.958	416.485 #
25) Chlordane {3}	8.810	8.374	741214	495827	408.847	562.990m#

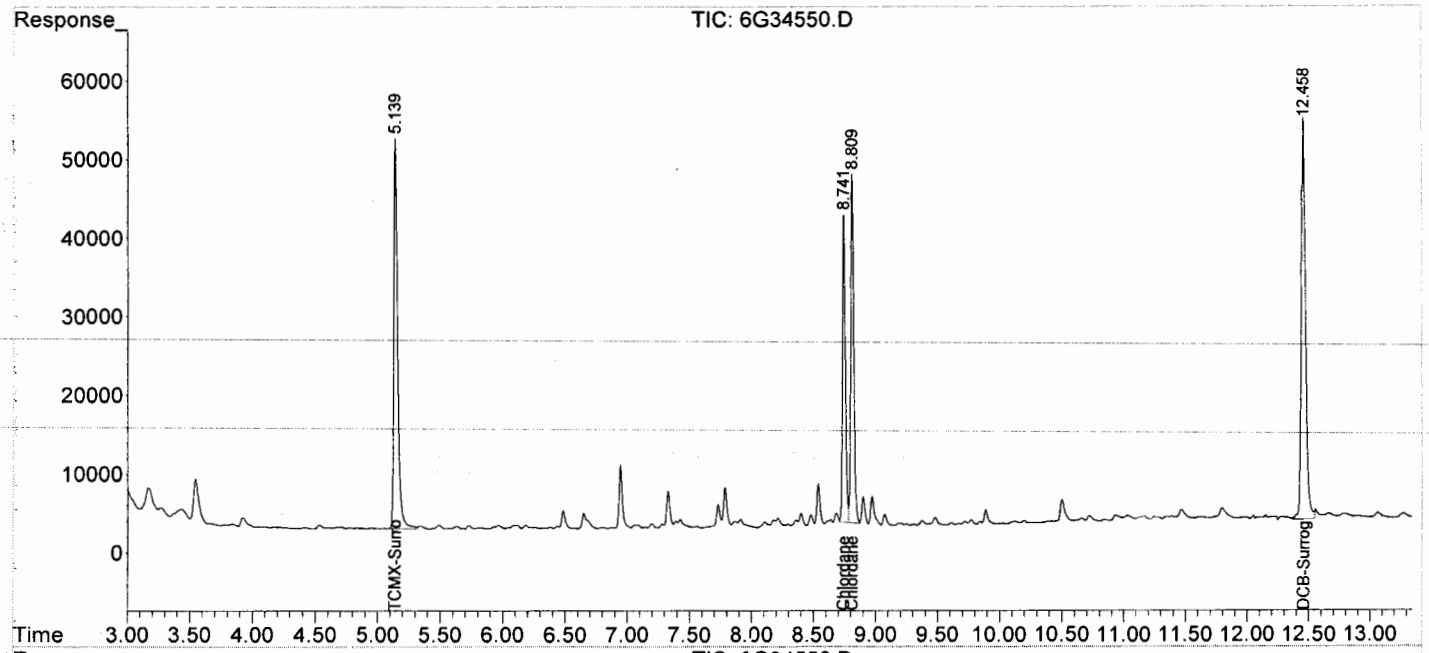
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

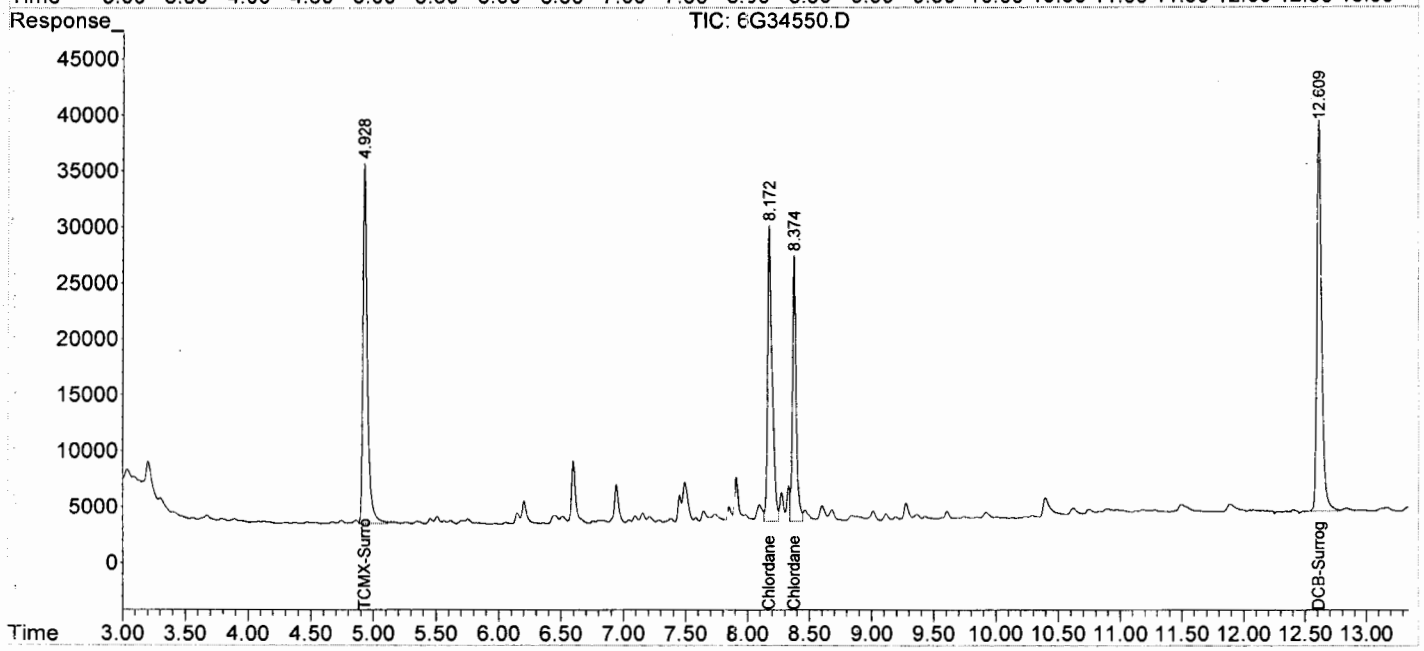
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_6\Data\08-0112\
Data File : 6G34550.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 1 Aug 2012 10:15
Operator : MS
Sample : AC67152-003
Misc : S,PEST
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Aug 01 11:30:53 2012
Quant Method : G:\GCDATA\2012\GC_6\METHODQT\6G_P0726.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Thu Jul 26 11:57:02 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AC67152-004
Client Id: MW-4 A
Data File: 6G34546.D
Analysis Date: 08/01/12 09:07
Date Rec/Extracted: 07/18/12-07/31/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 89

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
309-00-2	Aldrin	0.0056	U	7421-93-4	Endrin Aldehyde	0.0056	U
319-84-6	alpha-BHC	0.0011	U	53494-70-5	Endrin Ketone	0.0056	U
319-85-7	beta-BHC	0.0011	U	58-89-9	gamma-BHC	0.0011	U
57-74-9	Chlordane	0.028	U	76-44-8	Heptachlor	0.0056	U
319-86-8	delta-BHC	0.0056	U	1024-57-3	Heptachlor Epoxide	0.0056	U
60-57-1	Dieldrin	0.0011	U	72-43-5	Methoxychlor	0.0056	U
959-98-8	Endosulfan I	0.0056	U	72-54-8	p,p'-DDD	0.0028	U
33213-65-9	Endosulfan II	0.0056	U	72-55-9	p,p'-DDE	0.0028	U
1031-07-8	Endosulfan Sulfate	0.0056	U	50-29-3	p,p'-DDT	0.0028	U
72-20-8	Endrin	0.0056	U	8001-35-2	Toxaphene	0.028	U

Worksheet #: 235616

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration use

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_6\Data\08-0112\
Data File : 6G34546.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 1 Aug 2012 9:07
Operator : MS
Sample : AC67152-004
Misc : S,PEST
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Aug 01 11:01:49 2012
Quant Method : G:\GCDATA\2012\GC_6\METHODQT\6G_P0726.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Thu Jul 26 11:57:02 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	5.140	4.928	997695	737014	87.487	80.486
22) DCB-Surrogate	12.454	12.610	1083108	869577	72.698	77.917

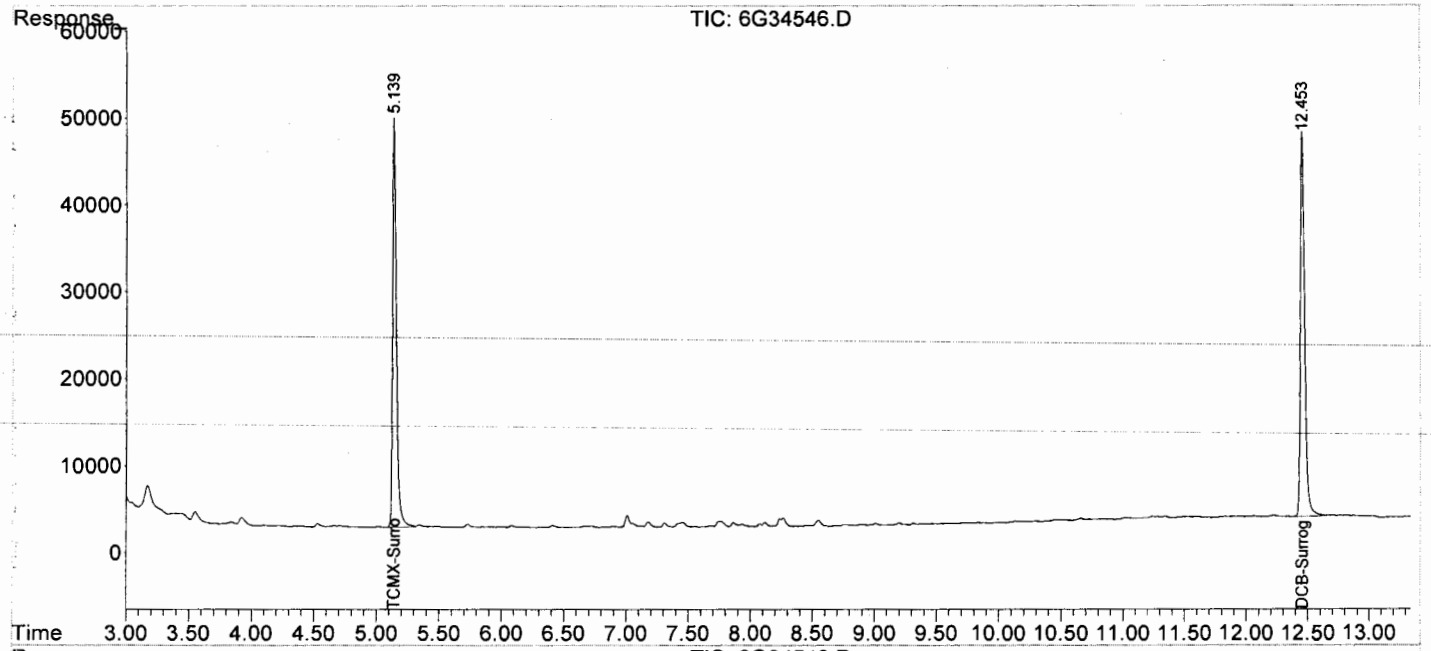
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

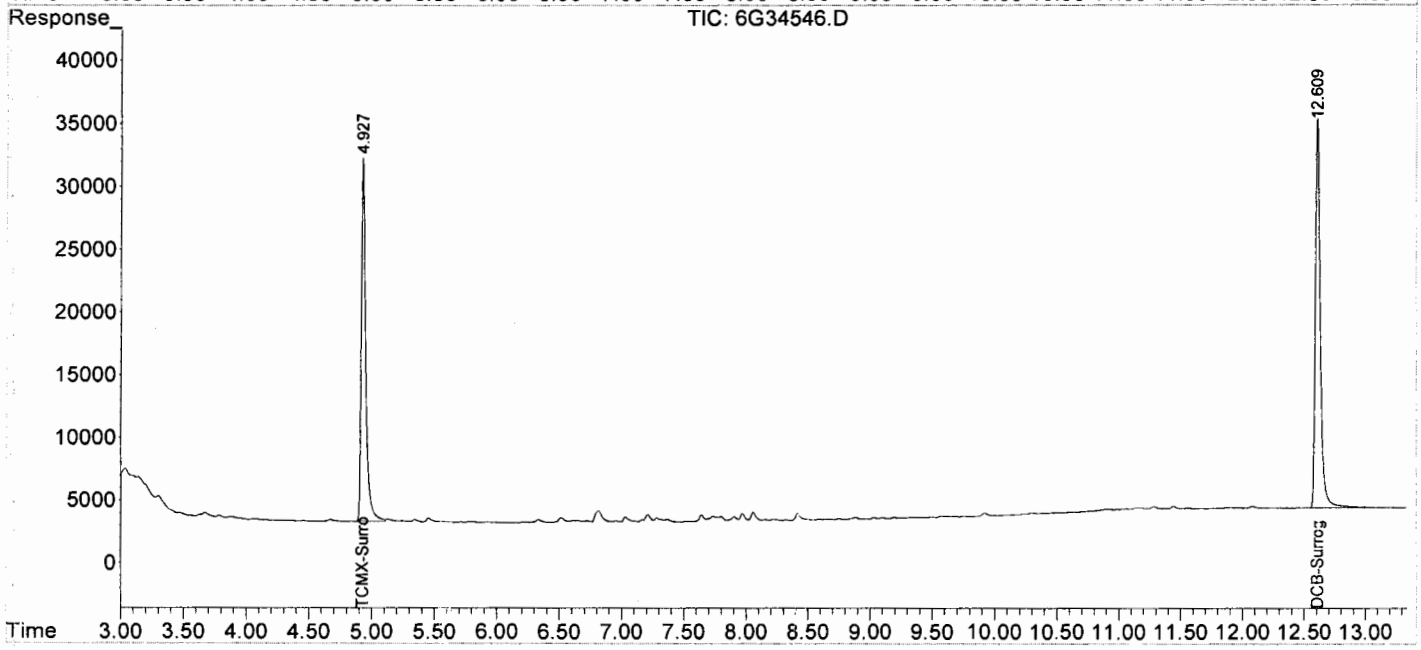
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_6\Data\08-0112\
Data File : 6G34546.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 1 Aug 2012 9:07
Operator : MS
Sample : AC67152-004
Misc : S,PEST
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Aug 01 11:01:49 2012
Quant Method : G:\GCDATA\2012\GC_6\METHODQT\6G_P0726.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Thu Jul 26 11:57:02 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AC67152-005
Client Id: MW-1 B
Data File: 5G41295.D
Analysis Date: 07/31/12 07:16
Date Rec/Extracted: 07/18/12-07/30/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 79

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
309-00-2	Aldrin	0.0063	U	7421-93-4	Endrin Aldehyde	0.0063	U
319-84-6	alpha-BHC	0.0013	U	53494-70-5	Endrin Ketone	0.0063	U
319-85-7	beta-BHC	0.0013	U	58-89-9	gamma-BHC	0.0013	U
57-74-9	Chlordane	0.032	U	76-44-8	Heptachlor	0.0063	U
319-86-8	delta-BHC	0.0063	U	1024-57-3	Heptachlor Epoxide	0.0063	U
60-57-1	Dieldrin	0.0013	U	72-43-5	Methoxychlor	0.0063	U
959-98-8	Endosulfan I	0.0063	U	72-54-8	p,p'-DDD	0.0032	U
33213-65-9	Endosulfan II	0.0063	U	72-55-9	p,p'-DDE	0.0032	U
1031-07-8	Endosulfan Sulfate	0.0063	U	50-29-3	p,p'-DDT	0.0032	U
72-20-8	Endrin	0.0063	U	8001-35-2	Toxaphene	0.032	U

Worksheet #: 235616

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration use

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_5\Data\07-31-12\
Data File : 5G41295.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 31-Jul-12, 07:16:28
Operator : JP/MS
Sample : AC67152-005
Misc : S,PEST
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Jul 31 08:54:26 2012
Quant Method : G:\GCDATA\2012\GC_5\METHODQT\5G_PEST0723.M
Quant Title : @GC_5,ug,608,8081
QLast Update : Tue Jul 24 08:02:35 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	6.236	6.044	134.3E6	104.5E6	71.506	75.139
22)DCB-Surrogate	13.200	13.408	104.4E6	82865434	78.139m	75.452

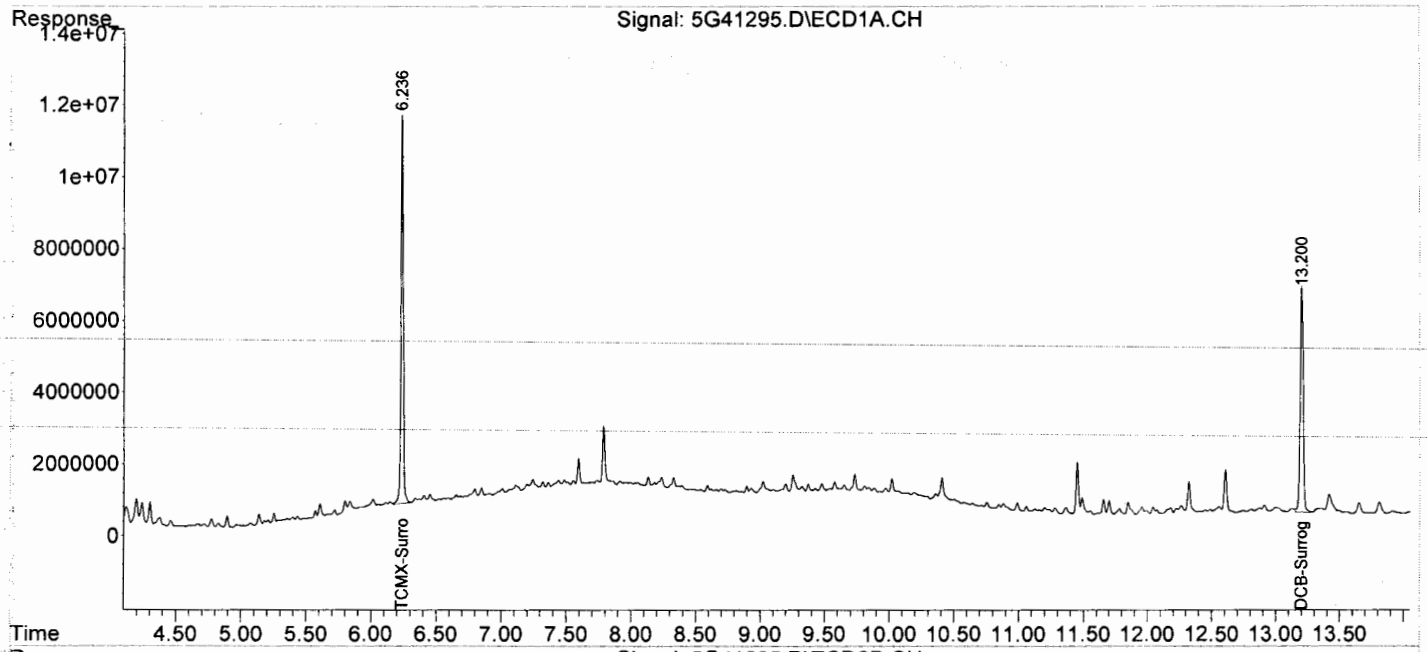
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

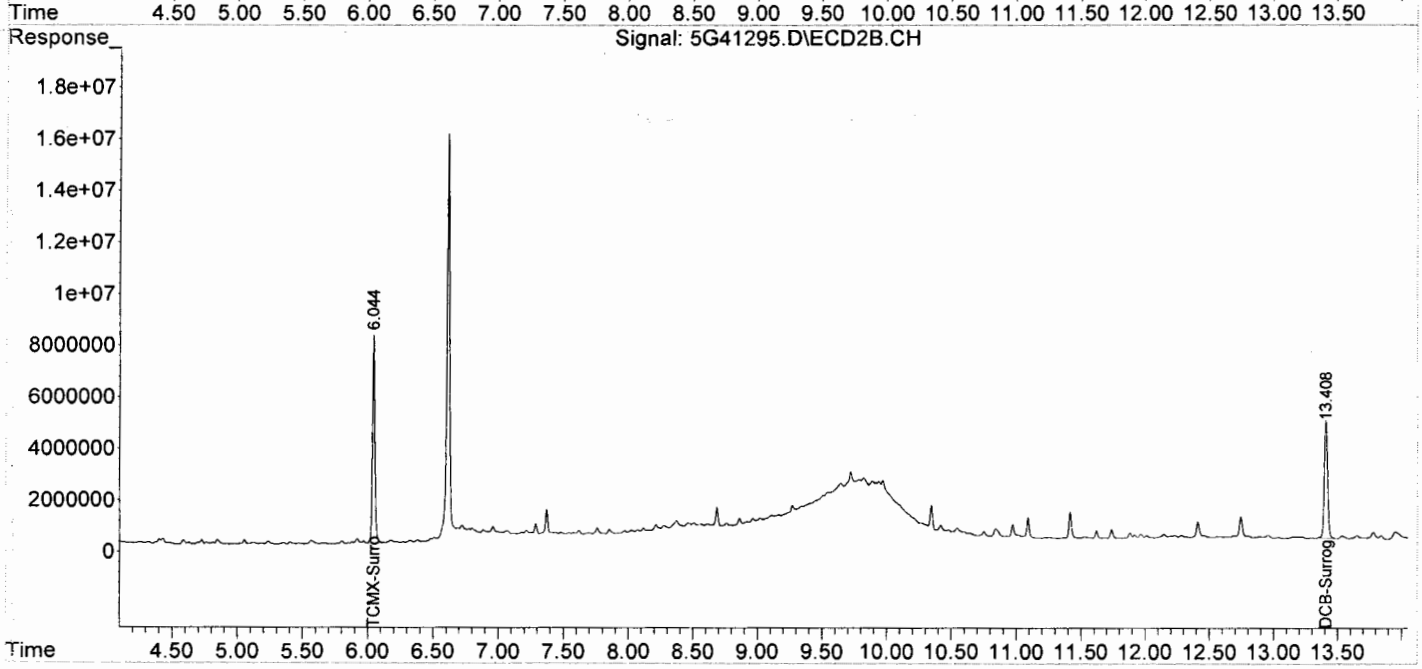
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_5\Data\07-31-12\
Data File : 5G41295.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 31-Jul-12, 07:16:28
Operator : JP/MS
Sample : AC67152-005
Misc : S,PEST
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Jul 31 08:54:26 2012
Quant Method : G:\GCDATA\2012\GC_5\METHODQT\5G_PEST0723.M
Quant Title : @GC_5,ug,608,8081
QLast Update : Tue Jul 24 08:02:35 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AC67152-006
Client Id: MW-2 B
Data File: 5G41296.D
Analysis Date: 07/31/12 07:34
Date Rec/Extracted: 07/18/12-07/30/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 96

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
309-00-2	Aldrin	0.0052	U	7421-93-4	Endrin Aldehyde	0.0052	U
319-84-6	alpha-BHC	0.0010	U	53494-70-5	Endrin Ketone	0.0052	U
319-85-7	beta-BHC	0.0010	U	58-89-9	gamma-BHC	0.0010	U
57-74-9	Chlordane	0.026	U	76-44-8	Heptachlor	0.0052	U
319-86-8	delta-BHC	0.0052	U	1024-57-3	Heptachlor Epoxide	0.0052	U
60-57-1	Dieldrin	0.0010	U	72-43-5	Methoxychlor	0.0052	U
959-98-8	Endosulfan I	0.0052	U	72-54-8	p,p'-DDD	0.0026	U
33213-65-9	Endosulfan II	0.0052	U	72-55-9	p,p'-DDE	0.0026	U
1031-07-8	Endosulfan Sulfate	0.0052	U	50-29-3	p,p'-DDT	0.0026	U
72-20-8	Endrin	0.0052	U	8001-35-2	Toxaphene	0.026	U

Worksheet #: 235616 ***Total Target Concentration*** 0 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_5\Data\07-31-12\
Data File : 5G41296.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 31-Jul-12, 07:34:17
Operator : JP/MS
Sample : AC67152-006
Misc : S,PEST
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Jul 31 08:55:17 2012
Quant Method : G:\GCDATA\2012\GC_5\METHODQT\5G_PEST0723.M
Quant Title : @GC_5,ug,608,8081
QLast Update : Tue Jul 24 08:02:35 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	6.236	6.045	132.5E6	106.5E6	70.545	76.555
22)DCB-Surrogate	13.200	13.409	101.4E6	78910118	75.920m	71.851

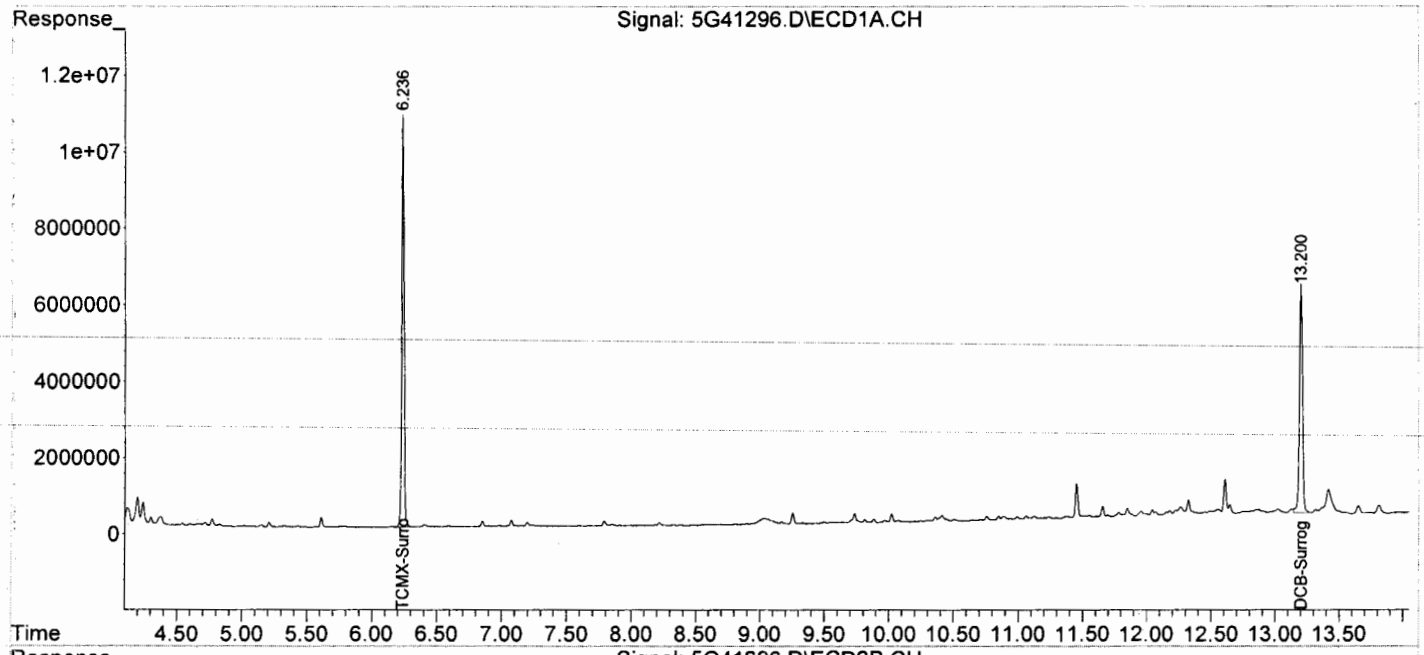
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

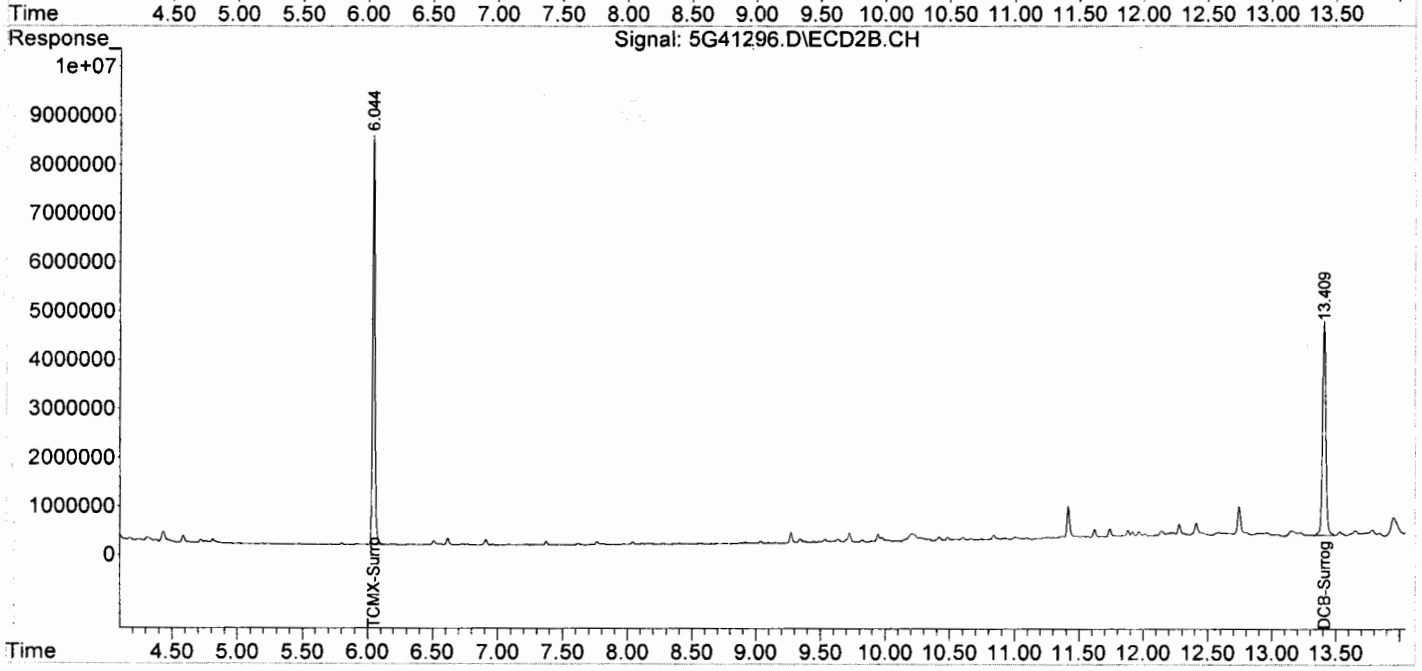
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_5\Data\07-31-12\
Data File : 5G41296.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 31-Jul-12, 07:34:17
Operator : JP/MS
Sample : AC67152-006
Misc : S,PEST
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Jul 31 08:55:17 2012
Quant Method : G:\GCDATA\2012\GC_5\METHODQT\5G_PEST0723.M
Quant Title : @GC_5,ug,608,8081
QLast Update : Tue Jul 24 08:02:35 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AC67152-007
Client Id: MW-3 B
Data File: 6G34547.D
Analysis Date: 08/01/12 09:24
Date Rec/Extracted: 07/18/12-07/31/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 92

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
309-00-2	Aldrin	0.0054	U	7421-93-4	Endrin Aldehyde	0.0054	U
319-84-6	alpha-BHC	0.0011	U	53494-70-5	Endrin Ketone	0.0054	U
319-85-7	beta-BHC	0.0011	U	58-89-9	gamma-BHC	0.0011	U
57-74-9	**(^)Chlordane**	**0.027**	**0.053**	76-44-8	Heptachlor	0.0054	U
319-86-8	delta-BHC	0.0054	U	1024-57-3	Heptachlor Epoxide	0.0054	U
60-57-1	Dieldrin	0.0011	U	72-43-5	Methoxychlor	0.0054	U
959-98-8	Endosulfan I	0.0054	U	72-54-8	p,p'-DDD	0.0027	U
33213-65-9	Endosulfan II	0.0054	U	72-55-9	p,p'-DDE	0.0027	U
1031-07-8	Endosulfan Sulfate	0.0054	U	50-29-3	p,p'-DDT	0.0027	U
72-20-8	Endrin	0.0054	U	8001-35-2	Toxaphene	0.027	U

Worksheet #: 235616

Total Target Concentration 0.053

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration use

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_6\Data\08-0112\
Data File : 6G34547.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 1 Aug 2012 9:24
Operator : MS
Sample : AC67152-007
Misc : S,PEST
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Aug 01 11:04:52 2012
Quant Method : G:\GCDATA\2012\GC_6\METHODQT\6G_P0726.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Thu Jul 26 11:57:02 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	5.139	4.928	1028012	724866	90.146	79.159
22)DCB-Surrogate	12.453	12.610	1088711	859359	73.102	76.954
24)Chlordane {2}	8.743	8.173	113288	130046	111.013m	80.308 #
25)Chlordane {3}	8.810	8.374	138986	99511	76.664m	112.990 #

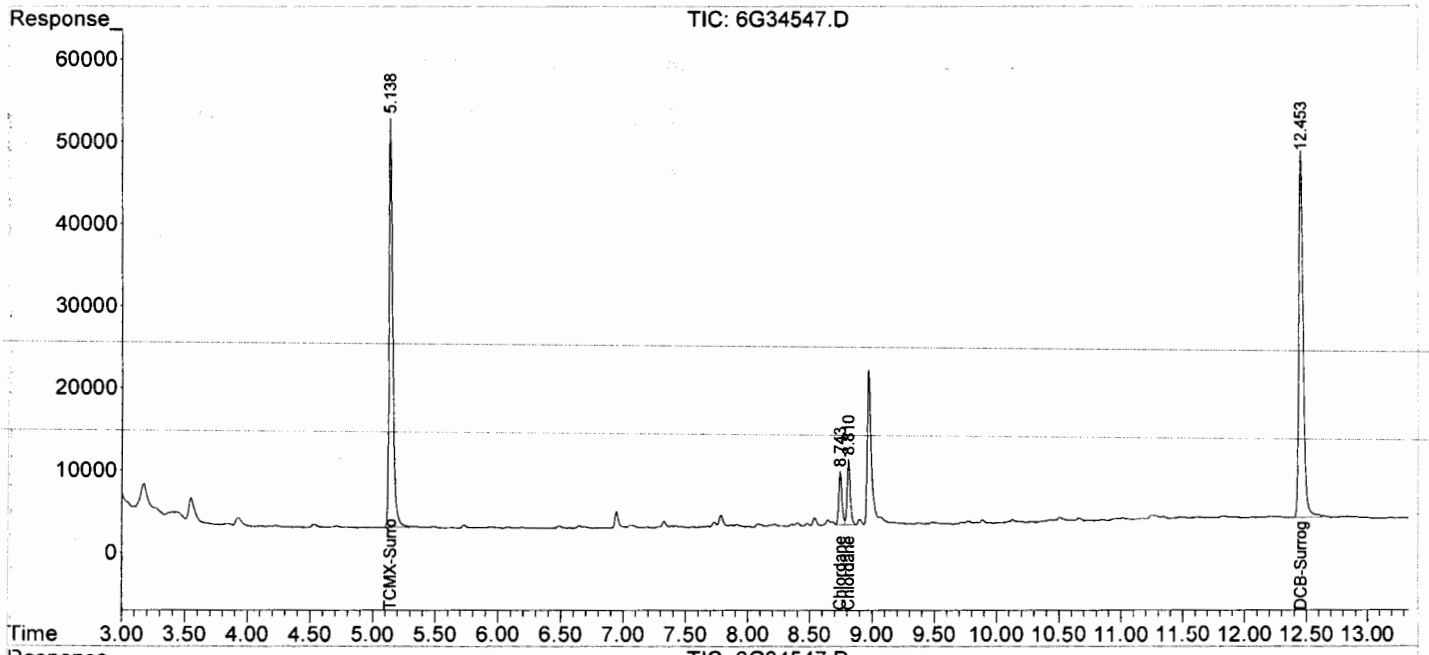
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

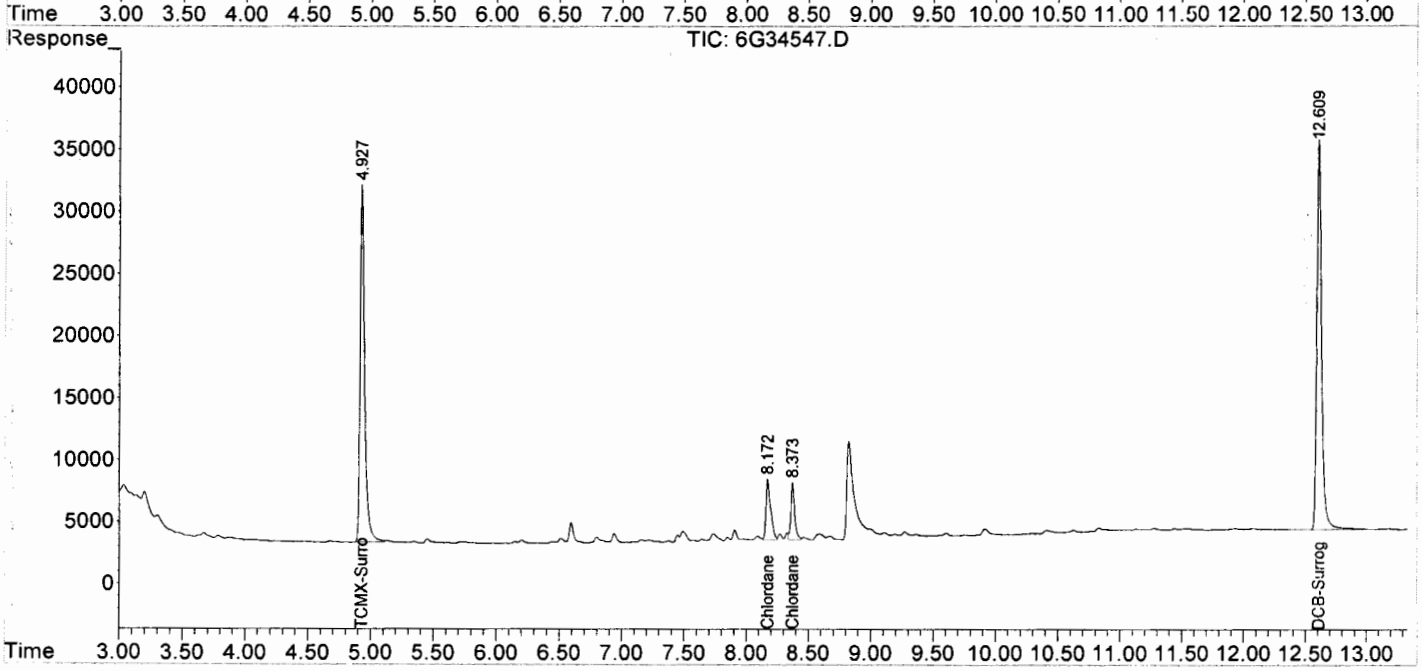
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_6\Data\08-0112\
Data File : 6G34547.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 1 Aug 2012 9:24
Operator : MS
Sample : AC67152-007
Misc : S,PEST
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Aug 01 11:04:52 2012
Quant Method : G:\GCDATA\2012\GC_6\METHODQT\6G_P0726.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Thu Jul 26 11:57:02 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AC67152-008
Client Id: MW-4 B
Data File: 6G34548.D
Analysis Date: 08/01/12 09:41
Date Rec/Extracted: 07/18/12-07/31/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 91

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
309-00-2	Aldrin	0.0055	U	7421-93-4	Endrin Aldehyde	0.0055	U
319-84-6	alpha-BHC	0.0011	U	53494-70-5	Endrin Ketone	0.0055	U
319-85-7	beta-BHC	0.0011	U	58-89-9	gamma-BHC	0.0011	U
57-74-9	Chlordane	0.027	U	76-44-8	Heptachlor	0.0055	U
319-86-8	delta-BHC	0.0055	U	1024-57-3	Heptachlor Epoxide	0.0055	U
60-57-1	Dieldrin	0.0011	U	72-43-5	Methoxychlor	0.0055	U
959-98-8	Endosulfan I	0.0055	U	72-54-8	p,p'-DDD	0.0027	U
33213-65-9	Endosulfan II	0.0055	U	72-55-9	p,p'-DDE	0.0027	U
1031-07-8	Endosulfan Sulfate	0.0055	U	50-29-3	p,p'-DDT	0.0027	U
72-20-8	Endrin	0.0055	U	8001-35-2	Toxaphene	0.027	U

Worksheet #: 235616 ***Total Target Concentration*** 0 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_6\Data\08-0112\
Data File : 6G34548.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 1 Aug 2012 9:41
Operator : MS
Sample : AC67152-008
Misc : S,PEST
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Aug 01 11:05:31 2012
Quant Method : G:\GCDATA\2012\GC_6\METHODQT\6G_P0726.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Thu Jul 26 11:57:02 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	5.140	4.929	746903	547902	65.496	59.834
22) DCB-Surrogate	12.456	12.611	874417	645848	57.885	57.114m

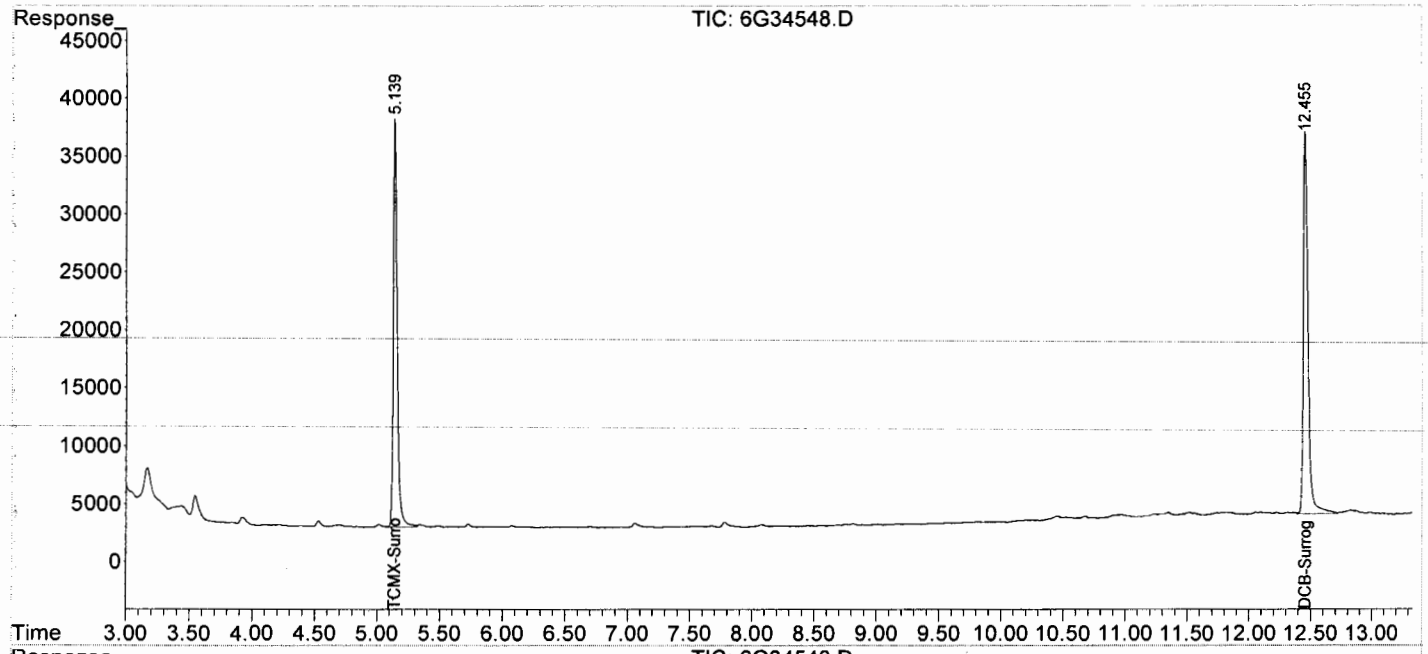
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

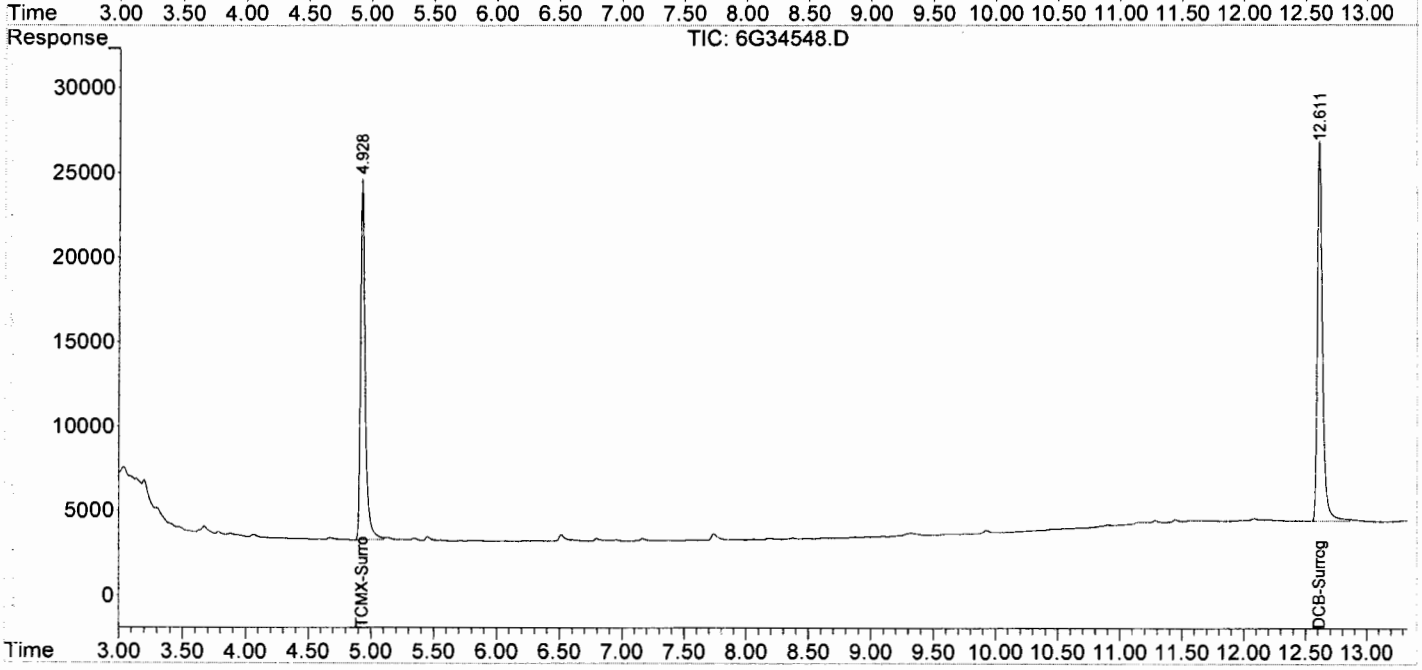
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_6\Data\08-0112\
Data File : 6G34548.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 1 Aug 2012 9:41
Operator : MS
Sample : AC67152-008
Misc : S,PEST
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Aug 01 11:05:31 2012
Quant Method : G:\GCDATA\2012\GC_6\METHODQT\6G_P0726.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Thu Jul 26 11:57:02 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AC67152-009
Client Id: MW-4A (DUP)
Data File: 6G34549.D
Analysis Date: 08/01/12 09:58
Date Rec/Extracted: 07/18/12-07/31/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 91

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
309-00-2	Aldrin	0.0055	U	7421-93-4	Endrin Aldehyde	0.0055	U
319-84-6	alpha-BHC	0.0011	U	53494-70-5	Endrin Ketone	0.0055	U
319-85-7	beta-BHC	0.0011	U	58-89-9	gamma-BHC	0.0011	U
57-74-9	Chlordane	0.027	U	76-44-8	Heptachlor	0.0055	U
319-86-8	delta-BHC	0.0055	U	1024-57-3	Heptachlor Epoxide	0.0055	U
60-57-1	Dieldrin	0.0011	U	72-43-5	Methoxychlor	0.0055	U
959-98-8	Endosulfan I	0.0055	U	72-54-8	p,p'-DDD	0.0027	U
33213-65-9	Endosulfan II	0.0055	U	72-55-9	p,p'-DDE	0.0027	U
1031-07-8	Endosulfan Sulfate	0.0055	U	50-29-3	p,p'-DDT	0.0027	U
72-20-8	Endrin	0.0055	U	8001-35-2	Toxaphene	0.027	U

Worksheet #: 235616 ***Total Target Concentration*** 0 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration use

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_6\Data\08-0112\
Data File : 6G34549.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 1 Aug 2012 9:58
Operator : MS
Sample : AC67152-009
Misc : S,PEST
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Aug 01 11:27:37 2012
Quant Method : G:\GCDATA\2012\GC_6\METHODQT\6G_P0726.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Thu Jul 26 11:57:02 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	5.140	4.927	945210	717433	82.885	78.347m
22) DCB-Surrogate	12.454	12.611	1189533	838014	80.426	74.947

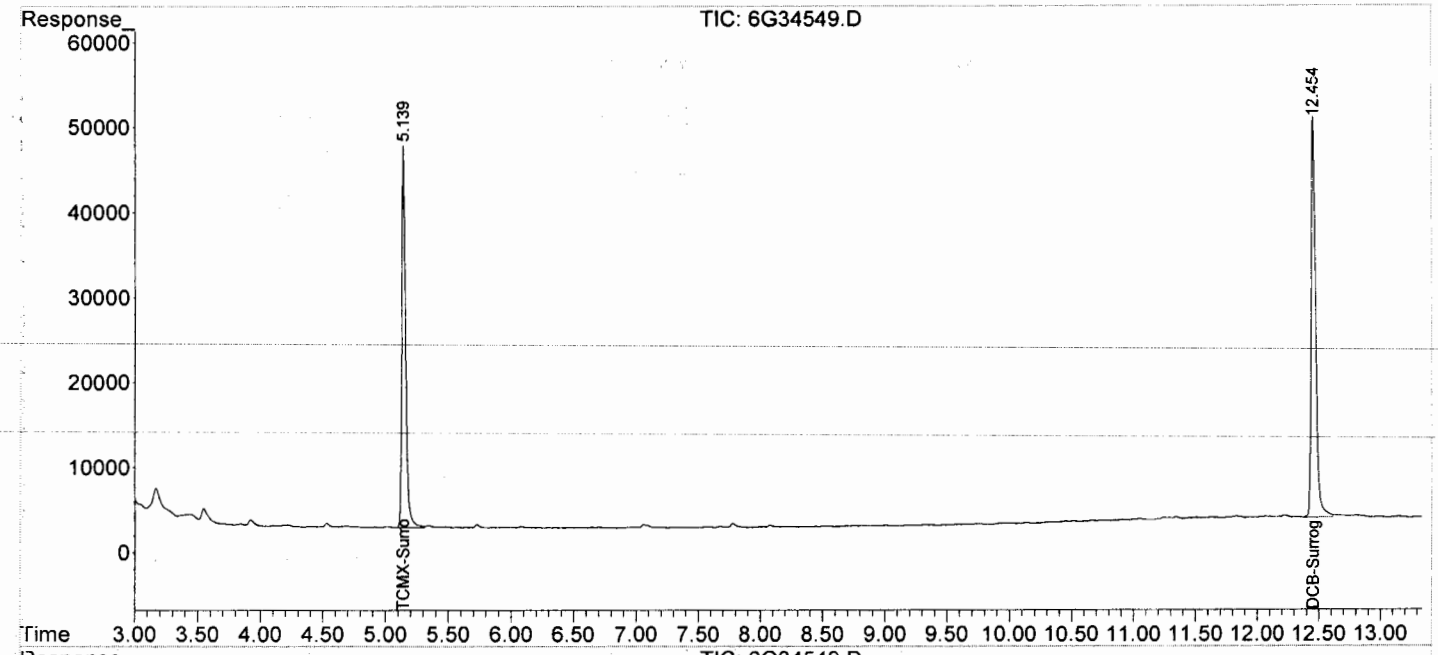
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

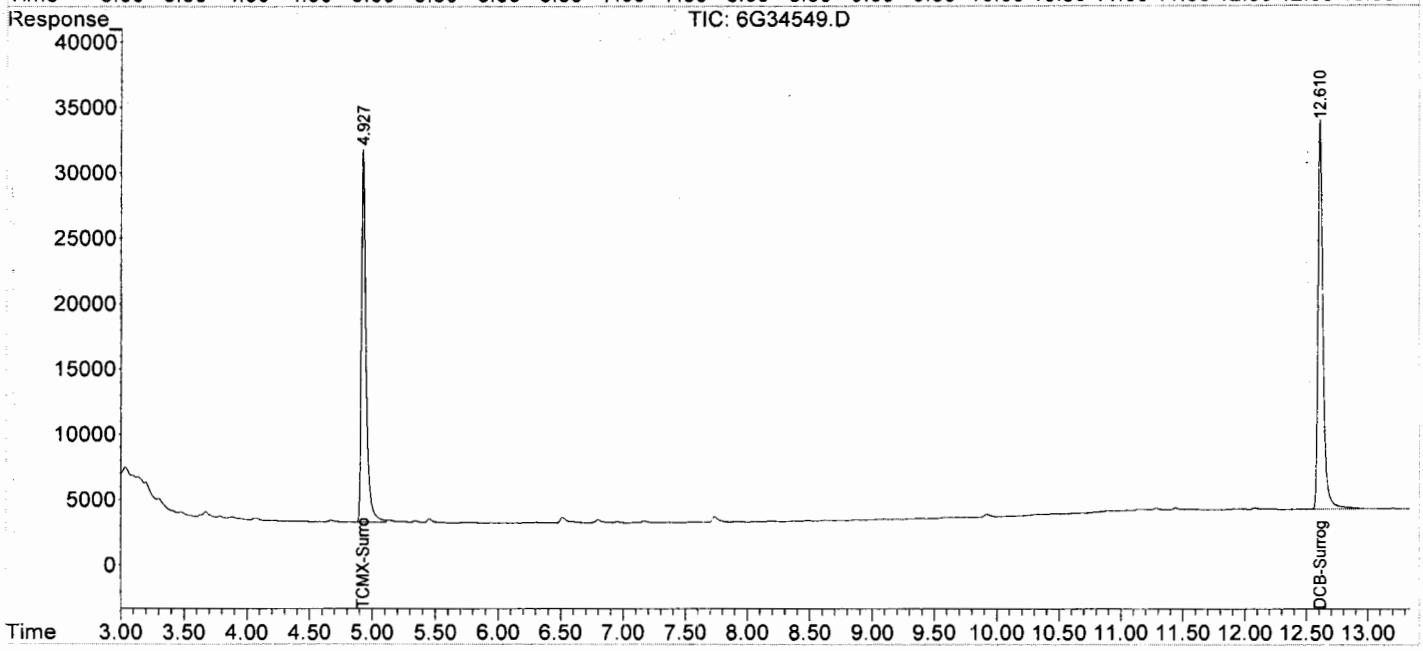
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_6\Data\08-0112\
Data File : 6G34549.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 1 Aug 2012 9:58
Operator : MS
Sample : AC67152-009
Misc : S,PEST
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Aug 01 11:27:37 2012
Quant Method : G:\GCDATA\2012\GC_6\METHODQT\6G_P0726.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Thu Jul 26 11:57:02 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: SMB14953
Client Id:
Data File: 5G41275.D
Analysis Date: 07/30/12 13:20
Date Rec/Extracted: NA-07/30/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
309-00-2	Aldrin	0.0050	U	7421-93-4	Endrin Aldehyde	0.0050	U
319-84-6	alpha-BHC	0.0010	U	53494-70-5	Endrin Ketone	0.0050	U
319-85-7	beta-BHC	0.0010	U	58-89-9	gamma-BHC	0.0010	U
57-74-9	Chlordane	0.025	U	76-44-8	Heptachlor	0.0050	U
319-86-8	delta-BHC	0.0050	U	1024-57-3	Heptachlor Epoxide	0.0050	U
60-57-1	Dieldrin	0.0010	U	72-43-5	Methoxychlor	0.0050	U
959-98-8	Endosulfan I	0.0050	U	72-54-8	p,p'-DDD	0.0025	U
33213-65-9	Endosulfan II	0.0050	U	72-55-9	p,p'-DDE	0.0025	U
1031-07-8	Endosulfan Sulfate	0.0050	U	50-29-3	p,p'-DDT	0.0025	U
72-20-8	Endrin	0.0050	U	8001-35-2	Toxaphene	0.025	U

Worksheet #: 235616

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration use

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_5\Data\07-30-12\
Data File : 5G41275.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30-Jul-12, 13:20:50
Operator : JP/MS
Sample : SMB14953
Misc : S,PEST
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Jul 30 13:39:24 2012
Quant Method : G:\GCDATA\2012\GC_5\METHODQT\5G_PEST0723.M
Quant Title : @GC_5,ug,608,8081
QLast Update : Tue Jul 24 08:02:35 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	6.235	6.043	153.4E6	117.3E6	81.645	84.307
22)	DCB-Surrogate	13.201	13.407	115.8E6	91242707	86.683	83.080

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

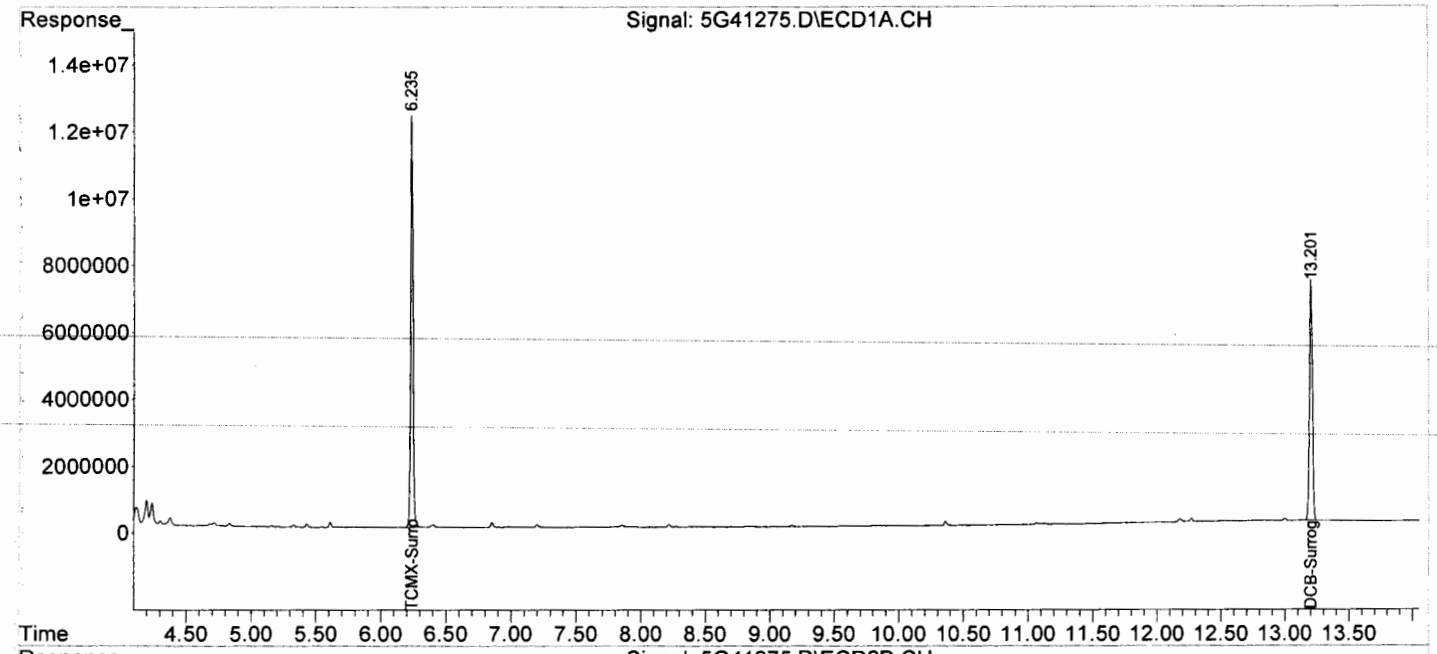
M

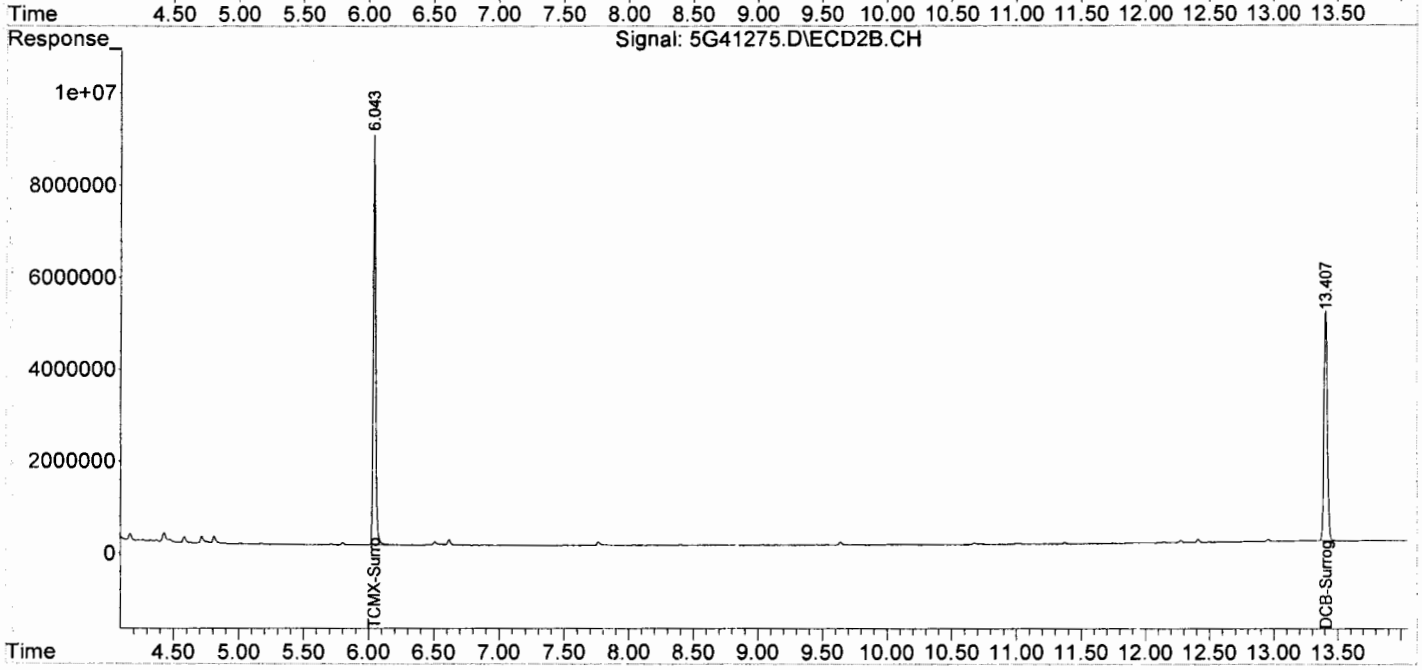
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_5\Data\07-30-12\
Data File : 5G41275.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30-Jul-12, 13:20:50
Operator : JP/MS
Sample : SMB14953
Misc : S,PEST
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Jul 30 13:39:24 2012
Quant Method : G:\GCDATA\2012\GC_5\METHODQT\5G_PEST0723.M
Quant Title : @GC_5,ug,608,8081
QLast Update : Tue Jul 24 08:02:35 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: SMB14967
Client Id:
Data File: 6G34542.D
Analysis Date: 08/01/12 07:58
Date Rec/Extracted: NA-07/31/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
309-00-2	Aldrin	0.0050	U	7421-93-4	Endrin Aldehyde	0.0050	U
319-84-6	alpha-BHC	0.0010	U	53494-70-5	Endrin Ketone	0.0050	U
319-85-7	beta-BHC	0.0010	U	58-89-9	gamma-BHC	0.0010	U
57-74-9	Chlordane	0.025	U	76-44-8	Heptachlor	0.0050	U
319-86-8	delta-BHC	0.0050	U	1024-57-3	Heptachlor Epoxide	0.0050	U
60-57-1	Dieldrin	0.0010	U	72-43-5	Methoxychlor	0.0050	U
959-98-8	Endosulfan I	0.0050	U	72-54-8	p,p'-DDD	0.0025	U
33213-65-9	Endosulfan II	0.0050	U	72-55-9	p,p'-DDE	0.0025	U
1031-07-8	Endosulfan Sulfate	0.0050	U	50-29-3	p,p'-DDT	0.0025	U
72-20-8	Endrin	0.0050	U	8001-35-2	Toxaphene	0.025	U

Worksheet #: 235616 ***Total Target Concentration*** 0 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration use

Quantitation Report (QT Reviewed)

2071832 0307

Data Path : G:\Gcdata\2012\GC_6\Data\08-0112\
Data File : 6G34542.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 1 Aug 2012 7:58
Operator : MS
Sample : SMB14967
Misc : S,PEST
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Aug 01 09:30:23 2012
Quant Method : G:\GCDATA\2012\GC_6\METHODQT\6G_P0726.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Thu Jul 26 11:57:02 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	5.143	4.928	1134243	811128	99.461	88.579
22) DCB-Surrogate	12.456	12.611	1368731	971306	93.722	87.570

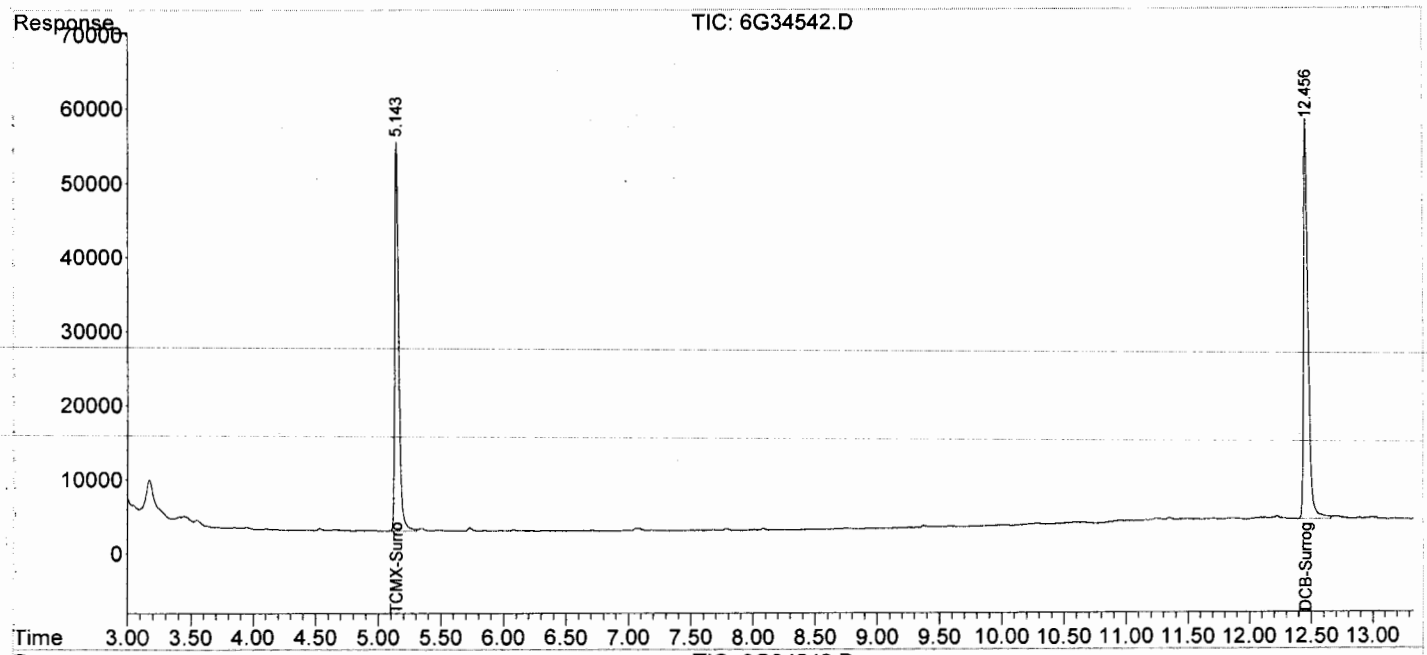
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

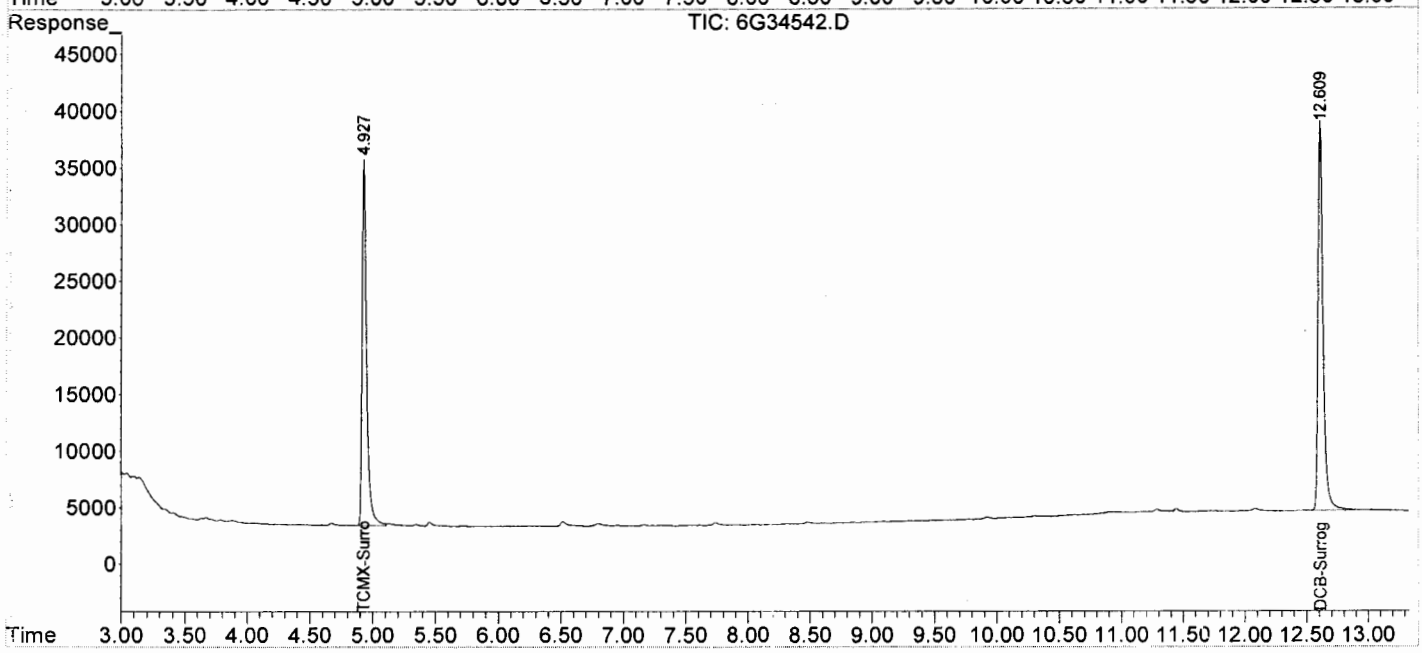
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2012\GC_6\Data\08-0112\
Data File : 6G34542.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 1 Aug 2012 7:58
Operator : MS
Sample : SMB14967
Misc : S,PEST
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Aug 01 09:30:23 2012
Quant Method : G:\GCDATA\2012\GC_6\METHODQT\6G_P0726.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Thu Jul 26 11:57:02 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32





FORM2

Surrogate Recovery

Method: EPA 8081A

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column2 S2 Recov	Column1 S3 Recov	Column2 S4 Recov	Column0 S5 Recov	Column0 S6 Recov
5G41275.D	SMB14953	Soil	07/30/12 13:20	1		82	84	87	83		
6G34542.D	SMB14967	Soil	08/01/12 07:58	1		99	89	94	88		
5G41292.D	AC67152-001	Soil	07/31/12 06:23	1		67	69	65	65		
6G34520.D	AC67152-002	Soil	07/31/12 09:44	1		85	74	52	61		
6G34550.D	AC67152-003	Soil	08/01/12 10:15	1		93	87	85	84		
6G34546.D	AC67152-004	Soil	08/01/12 09:07	1		87	80	73	78		
5G41295.D	AC67152-005	Soil	07/31/12 07:16	1		72	75	78	75		
5G41296.D	AC67152-006	Soil	07/31/12 07:34	1		71	77	76	72		
6G34547.D	AC67152-007	Soil	08/01/12 09:24	1		90	79	73	77		
6G34548.D	AC67152-008	Soil	08/01/12 09:41	1		66	60	58	57		
6G34549.D	AC67152-009	Soil	08/01/12 09:58	1		83	78	80	75		
5G41291.D	SMB14953(M	Soil	07/31/12 06:05	1		87	89	91	86		
5G41293.D	AC67152-001(	Soil	07/31/12 06:41	1		68	73	72	69		
5G41294.D	AC67152-001(	Soil	07/31/12 06:58	1		71	75	75	72		
6G34543.D	SMB14967(M	Soil	08/01/12 08:15	1		101	94	94	90		
6G34544.D	AC67152-004(	Soil	08/01/12 08:32	1		89	78	78	76		
6G34545.D	AC67152-004(	Soil	08/01/12 08:50	1		86	84	91	80		

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: EPA 8081A

Soil Limits

Compound	Spike Amt	Limits
S1=TCMX-Surrogate	100	37-141
S2=TCMX-Surrogate	100	37-141
S3=DCB-Surrogate	100	33-146
S4=DCB-Surrogate	100	33-146

Form3
Recovery Data
QC Batch: SMB14953

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5G41291.D	SMB14953(MS)	7/31/2012 6:05:27 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8081 Matrix: Soil QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
alpha-BHC	1	94.38	0	100	94	60	130
gamma-BHC	1	94.23	0	100	94	60	130
beta-BHC	1	94.57	0	100	95	60	130
Heptachlor	1	93.96	0	100	94	60	130
delta-BHC	1	80.87	0	100	81	60	130
Aldrin	1	96.65	0	100	97	70	130
Heptachlor Epoxide	1	98.2	0	100	98	70	130
Endosulfan I	1	98.86	0	100	99	70	130
p,p'-DDE	1	100.56	0	100	101	70	130
Dieldrin	1	103.48	0	100	103	70	130
Endrin	1	110.5	0	100	110	70	130
p,p'-DDD	1	92.36	0	100	92	70	130
Endosulfan II	1	101.57	0	100	102	70	130
p,p'-DDT	1	97.1	0	100	97	70	130
Endrin Aldehyde	1	45.08	0	100	45	20	130
Endosulfan Sulfate	1	96.51	0	100	97	70	130
Methoxychlor	1	92.41	0	100	92	60	130
Endrin Ketone	1	92.69	0	100	93	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: SMB14967

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6G34543.D	SMB14967(MS)	8/1/2012 8:15:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8081 Matrix: Soil QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
alpha-BHC	1	90.25	0	100	90	60	130
gamma-BHC	1	91.61	0	100	92	60	130
beta-BHC	1	107.8	0	100	108	60	130
Heptachlor	1	96.61	0	100	97	60	130
delta-BHC	1	77.9	0	100	78	60	130
Aldrin	1	90.35	0	100	90	70	130
Heptachlor Epoxide	1	90.9	0	100	91	70	130
Endosulfan I	1	94.12	0	100	94	70	130
p,p'-DDE	1	94.84	0	100	95	70	130
Dieldrin	1	97.6	0	100	98	70	130
Endrin	1	107.46	0	100	107	70	130
p,p'-DDD	1	85.19	0	100	85	70	130
Endosulfan II	1	92.51	0	100	93	70	130
p,p'-DDT	1	84.71	0	100	85	70	130
Endrin Aldehyde	1	28.33	0	100	28	20	130
Endosulfan Sulfate	1	92.83	0	100	93	70	130
Methoxychlor	1	80.59	0	100	81	60	130
Endrin Ketone	1	81.52	0	100	82	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: SMB14953

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5G41293.D	AC67152-001(MS)	7/31/2012 6:41:01 AM
Non Spike(If applicable):	5G41292.D	AC67152-001	7/31/2012 6:23:17 AM
Inst Blank(If applicable):			

Method: 8081 Matrix: Soil QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
alpha-BHC	1	74.83	0	100	75	60	130
gamma-BHC	1	73.5	0	100	74	60	130
beta-BHC	1	72.79	0	100	73	60	130
Heptachlor	1	66.74	0	100	67	60	130
delta-BHC	1	63.72	0	100	64	60	130
Aldrin	1	74.04	0	100	74	70	130
Heptachlor Epoxide	1	76.24	0	100	76	70	130
Endosulfan I	1	78.24	0	100	78	70	130
p,p'-DDE	1	77.4	0	100	77	70	130
Dieldrin	1	80.87	0	100	81	70	130
Endrin	1	89.51	0	100	90	70	130
p,p'-DDD	1	72.65	0	100	73	70	130
Endosulfan II	1	80.82	0	100	81	70	130
p,p'-DDT	1	68.85	0	100	69 *	70	130
Endrin Aldehyde	1	47.53	0	100	48	20	130
Endosulfan Sulfate	1	77.4	0	100	77	70	130
Methoxychlor	1	68.55	0	100	69	60	130
Endrin Ketone	1	76.04	0	100	76	70	130

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5G41294.D	AC67152-001(MSD)	7/31/2012 6:58:45 AM
Non Spike(If applicable):	5G41292.D	AC67152-001	7/31/2012 6:23:17 AM
Inst Blank(If applicable):			

Method: 8081 Matrix: Soil QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
alpha-BHC	1	76.78	0	100	77	60	130
gamma-BHC	1	74.75	0	100	75	60	130
beta-BHC	1	75.13	0	100	75	60	130
Heptachlor	1	67.59	0	100	68	60	130
delta-BHC	1	65.57	0	100	66	60	130
Aldrin	1	76.22	0	100	76	70	130
Heptachlor Epoxide	1	78.54	0	100	79	70	130
Endosulfan I	1	79.99	0	100	80	70	130
p,p'-DDE	1	79.86	0	100	80	70	130
Dieldrin	1	83.58	0	100	84	70	130
Endrin	1	90.92	0	100	91	70	130
p,p'-DDD	1	74.6	0	100	75	70	130
Endosulfan II	1	83.78	0	100	84	70	130
p,p'-DDT	1	73.28	0	100	73	70	130
Endrin Aldehyde	1	49.18	0	100	49	20	130
Endosulfan Sulfate	1	80.09	0	100	80	70	130
Methoxychlor	1	74.09	0	100	74	60	130
Endrin Ketone	1	78.78	0	100	79	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
RPD DATA
QC Batch: SMB14953

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5G41294.D	AC67152-001(MSD)	7/31/2012 6:58:45 AM
Duplicate(If applicable):	5G41293.D	AC67152-001(MS)	7/31/2012 6:41:01 AM
Inst Blank(If applicable):			

Method: 8081 Matrix: Soil QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
alpha-BHC	1	76.78	74.83	2.6	40
gamma-BHC	1	74.75	73.5	1.7	40
beta-BHC	1	75.13	72.79	3.2	40
Heptachlor	1	67.59	66.74	1.3	40
delta-BHC	1	65.57	63.72	2.9	40
Aldrin	1	76.22	74.04	2.9	40
Heptachlor Epoxide	1	78.54	76.24	3	40
Endosulfan I	1	79.99	78.24	2.2	40
p,p'-DDE	1	79.86	77.4	3.1	40
Dieldrin	1	83.58	80.87	3.3	40
Endrin	1	90.92	89.51	1.6	40
p,p'-DDD	1	74.6	72.65	2.6	40
Endosulfan II	1	83.78	80.82	3.6	40
p,p'-DDT	1	73.28	68.85	6.2	40
Endrin Aldehyde	1	49.18	47.53	3.4	40
Endosulfan Sulfate	1	80.09	77.4	3.4	40
Methoxychlor	1	74.09	68.55	7.8	40
Endrin Ketone	1	78.78	76.04	3.5	40

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Form3
Recovery Data
QC Batch: SMB14967

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6G34544.D	AC67152-004(MS)	8/1/2012 8:32:00 AM
Non Spike(If applicable):	6G34546.D	AC67152-004	8/1/2012 9:07:00 AM
Inst Blank(If applicable):			

Method: 8081 Matrix: Soil QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
alpha-BHC	1	78.04	0	100	78	60	130
gamma-BHC	1	77.62	0	100	78	60	130
beta-BHC	1	89.4	0	100	89	60	130
Heptachlor	1	81.08	0	100	81	60	130
delta-BHC	1	64.5	0	100	64	60	130
Aldrin	1	78.1	0	100	78	70	130
Heptachlor Epoxide	1	79.61	0	100	80	70	130
Endosulfan I	1	76.28	0	100	76	70	130
p,p'-DDE	1	81.46	0	100	81	70	130
Dieldrin	1	83.65	0	100	84	70	130
Endrin	1	91.44	0	100	91	70	130
p,p'-DDD	1	75.27	0	100	75	70	130
Endosulfan II	1	80.54	0	100	81	70	130
p,p'-DDT	1	67.39	0	100	67 *	70	130
Endrin Aldehyde	1	18.69	0	100	19 *	20	130
Endosulfan Sulfate	1	62.29	0	100	62 *	70	130
Methoxychlor	1	68.79	0	100	69	60	130
Endrin Ketone	1	66.51	0	100	67 *	70	130

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6G34545.D	AC67152-004(MSD)	8/1/2012 8:50:00 AM
Non Spike(If applicable):	6G34546.D	AC67152-004	8/1/2012 9:07:00 AM
Inst Blank(If applicable):			

Method: 8081 Matrix: Soil QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
alpha-BHC	1	77.78	0	100	78	60	130
gamma-BHC	1	76.65	0	100	77	60	130
beta-BHC	1	95.21	0	100	95	60	130
Heptachlor	1	85.74	0	100	86	60	130
delta-BHC	1	67.86	0	100	68	60	130
Aldrin	1	81.25	0	100	81	70	130
Heptachlor Epoxide	1	80.96	0	100	81	70	130
Endosulfan I	1	91.69	0	100	92	70	130
p,p'-DDE	1	88.01	0	100	88	70	130
Dieldrin	1	84.57	0	100	85	70	130
Endrin	1	100.21	0	100	100	70	130
p,p'-DDD	1	84.85	0	100	85	70	130
Endosulfan II	1	87.95	0	100	88	70	130
p,p'-DDT	1	77.72	0	100	78	70	130
Endrin Aldehyde	1	29.62	0	100	30	20	130
Endosulfan Sulfate	1	74.66	0	100	75	70	130
Methoxychlor	1	81.34	0	100	81	60	130
Endrin Ketone	1	79.47	0	100	79	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
RPD DATA

QC Batch: SMB14967

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6G34545.D	AC67152-004(MSD)	8/1/2012 8:50:00 AM
Duplicate(If applicable):	6G34544.D	AC67152-004(MS)	8/1/2012 8:32:00 AM
Inst Blank(If applicable):			

Method: 8081 Matrix: Soil QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
alpha-BHC	1	77.78	78.04	0.33	40
gamma-BHC	1	76.65	77.62	1.3	40
beta-BHC	1	95.21	89.4	6.3	40
Heptachlor	1	85.74	81.08	5.6	40
delta-BHC	1	67.86	64.5	5.1	40
Aldrin	1	81.25	78.1	4	40
Heptachlor Epoxide	1	80.96	79.61	1.7	40
Endosulfan I	1	91.69	76.28	18	40
p,p'-DDE	1	88.01	81.46	7.7	40
Dieldrin	1	84.57	83.65	1.1	40
Endrin	1	100.21	91.44	9.2	40
p,p'-DDD	1	84.85	75.27	12	40
Endosulfan II	1	87.95	80.54	8.8	40
p,p'-DDT	1	77.72	67.39	14	40
Endrin Aldehyde	1	29.62	18.69	45*	40
Endosulfan Sulfate	1	74.66	62.29	18	40
Methoxychlor	1	81.34	68.79	17	40
Endrin Ketone	1	79.47	66.51	18	40

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

FORM 4
Blank Summary

Blank Number: SMB14953
Blank Data File: 5G41275.D
Matrix: Soil

Blank Analysis Date: 07/30/12 13:20
Blank Extraction Date: 07/30/12
(If Applicable)
Method: EPA 8081A

Sample Number	Data File	Analysis Date
AC67152-001	5G41292.D	07/31/12 06:23
AC67152-002	6G34520.D	07/31/12 09:44
AC67152-005	5G41295.D	07/31/12 07:16
AC67152-006	5G41296.D	07/31/12 07:34
AC67152-001(MSD	5G41294.D	07/31/12 06:58
AC67152-001(MS)	5G41293.D	07/31/12 06:41
SMB14953(MS)	5G41291.D	07/31/12 06:05

FORM 4
Blank Summary

Blank Number: SMB14967
Blank Data File: 6G34542.D
Matrix: Soil

Blank Analysis Date: 08/01/12 07:58
Blank Extraction Date: 07/31/12
(If Applicable)
Method: EPA 8081A

Sample Number	Data File	Analysis Date
AC67152-003	6G34550.D	08/01/12 10:15
AC67152-004	6G34546.D	08/01/12 09:07
AC67152-007	6G34547.D	08/01/12 09:24
AC67152-008	6G34548.D	08/01/12 09:41
AC67152-009	6G34549.D	08/01/12 09:58
AC67152-004(MSD	6G34545.D	08/01/12 08:50
AC67152-004(MS)	6G34544.D	08/01/12 08:32
SMB14967(MS)	6G34543.D	08/01/12 08:15

Form 5

Method: EPA 8081A

Instrument: GC_5

Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Data File	Sample#	Analysis Date/Time	Matrix	Reference File	Column 1 RT	Column 1 % Drift	Column 2 RT	Column 2 % Drift
5G41143.D	TEST	07/23/12 16:40	Soil					
5G41144.D	CAL EVAL	07/23/12 16:59	Soil					
5G41145.D	CAL PEST@2PPB	07/23/12 17:17	Soil	5G41145.	13.2099	0	13.4128	0
5G41146.D	CAL PEST@10PPB	07/23/12 17:35	Soil	5G41145.	13.2095	0.003	13.4147	0.0142
5G41147.D	CAL PEST@50PPB	07/23/12 17:53	Soil	5G41145.	13.2084	0.0114	13.4124	0.003
5G41148.D	CAL PEST@100PPB	07/23/12 18:10	Soil	5G41145.	13.2083	0.0121	13.4125	0.0022
5G41149.D	CAL PEST@200PPB	07/23/12 18:28	Soil	5G41145.	13.2093	0.0045	13.4123	0.0037
5G41150.D	CAL PEST@400PPB	07/23/12 18:46	Soil	5G41145.	13.2090	0.0068	13.4139	0.0082
5G41151.D	CAL CHLO@100PPB	07/23/12 19:04	Soil	5G41145.	13.2077	0.0167	13.4123	0.0037
5G41152.D	CAL TOX@500PPB	07/23/12 19:22	Soil	5G41145.	13.2077	0.0167	13.4120	0.006
5G41153.D	ICV@100PPB	07/23/12 19:39	Soil	5G41145.	13.2097	0.0015	13.4133	0.0037
5G41154.D	CAL PEST@200PPB	07/23/12 19:57	Soil	5G41145.	13.2094	0.0038	13.4132	0.003

Drift Compound: DCB-Surrogate

Drift Limit(s): 0.5 (Pest/Pcb) 1.5(Herb/Tph)

* - Values outside of limits for this column/run

Form 5

Method: EPA 8081A

Instrument: GC_6

Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Data File	Sample#	Analysis Date/Time	Matrix	Reference File	Column 1 RT	Column 1 % Drift	Column 2 RT	Column 2 % Drift
6G34437.D	CAL EVAL	07/26/12 07:38	Aqueous					
6G34438.D	2PPB	07/26/12 07:57	Aqueous					
6G34439.D	CAL PEST@10PPB	07/26/12 08:14	Aqueous	6G34440.	12.4646	0.008	12.6152	0.0222
6G34440.D	CAL PEST@2PPB	07/26/12 08:31	Aqueous	6G34440.	12.4656	0	12.6180	0
6G34441.D	CAL PEST@50PPB	07/26/12 08:48	Aqueous	6G34440.	12.4627	0.0233	12.6151	0.023
6G34442.D	CAL PEST@100PPB	07/26/12 09:05	Aqueous	6G34440.	12.4613	0.0345	12.6141	0.0309
6G34443.D	CAL PEST@200PPB	07/26/12 09:22	Aqueous	6G34440.	12.4604	0.0417	12.6145	0.0277
6G34444.D	CAL PEST@400PPB	07/26/12 09:39	Aqueous	6G34440.	12.4602	0.0433	12.6133	0.0373
6G34445.D	CAL CHLO@100PPB	07/26/12 09:58	Aqueous	6G34440.	12.4601	0.0441	12.6154	0.0206
6G34446.D	CAL TOX@500PPB	07/26/12 10:15	Aqueous	6G34440.	12.4635	0.0168	12.6164	0.0127
6G34447.D	ICV@100PPB	07/26/12 10:32	Aqueous	6G34440.	12.4624	0.0257	12.6151	0.023
6G34448.D	MBS	07/26/12 10:49	Soil	6G34440.	12.4607	0.0393	12.6149	0.0246
6G34449.D	SMB14925	07/26/12 11:06	Soil	6G34440.	12.4628	0.0225	12.6146	0.0269
6G34450.D	AC67034-001	07/26/12 11:23	Soil	6G34440.	12.4590	0.053	12.6140	0.0317
6G34451.D	AC67034-003	07/26/12 11:40	Soil	6G34440.	12.4609	0.0377	12.6140	0.0317
6G34452.D	AC67034-003(10X)	07/26/12 11:59	Soil	6G34440.	12.4659	0.0024	12.6163	0.0135
6G34453.D	AC67234-001	07/26/12 12:16	Soil	6G34440.	12.4628	0.0225	12.6151	0.023
6G34454.D	AC67258-001	07/26/12 12:33	Soil	6G34440.	12.4609	0.0377	12.6154	0.0206
6G34455.D	AC67258-002	07/26/12 12:50	Soil	6G34440.	12.4610	0.0369	12.6149	0.0246
6G34456.D	AC67258-004	07/26/12 13:07	Soil	6G34440.	12.4613	0.0345	12.6144	0.0285
6G34457.D	AC67258-005	07/26/12 13:24	Soil	6G34440.	12.4618	0.0305	12.6155	0.0198
6G34458.D	AC67258-007	07/26/12 13:41	Soil	6G34440.	12.4621	0.0281	12.6145	0.0277
6G34459.D	CAL PEST@100PPB	07/26/12 14:13	Soil	6G34440.	12.4629	0.0217	12.6166	0.0111
6G34460.D	AC67258-006	07/26/12 14:30	Soil	6G34459.	12.4621	0.0064	12.6158	0.0063
6G34461.D	AC67258-008	07/26/12 14:47	Soil	6G34459.	12.4629	0	12.6160	0.0048
6G34462.D	AC67258-009	07/26/12 15:04	Soil	6G34459.	12.4615	0.0112	12.6145	0.0166
6G34463.D	AC67258-010	07/26/12 15:22	Soil	6G34459.	12.4623	0.0048	12.6157	0.0071
6G34464.D	AC67258-011	07/26/12 15:39	Soil	6G34459.	12.4625	0.0032	12.6164	0.0016
6G34465.D	CAL PEST@100PPB	07/26/12 16:13	Soil	6G34459.	12.4636	0.0056	12.6172	0.0048

Drift Compound: DCB-Surrogate Drift Limit(s): 0.5 (Pest/Pcb) 1.5(Herb/Tph) * - Values outside of limits for this column/run

Form 5

Method: EPA 8081A

Instrument: GC_5

Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Data File	Sample#	Analysis Date/Time	Matrix	Reference File	Column 1 RT	Column 1 % Drift	Column 2 RT	Column 2 % Drift
5G41272.D	CAL EVAL	07/30/12 12:12	Soil					
5G41273.D	CAL PEST@100PPB	07/30/12 12:31	Soil	5G41273.	13.2004	0	13.4069	0
5G41274.D	MBS	07/30/12 13:02	Soil	5G41273.	13.2036	0.0242	13.4064	0.0037
5G41275.D	SMB14953	07/30/12 13:20	Soil	5G41273.	13.2008	0.003	13.4071	0.0015
5G41276.D	AC67224-007	07/30/12 13:38	Soil	5G41273.	13.2004	0	13.4074	0.0037
5G41277.D	AC67224-008	07/30/12 13:56	Soil	5G41273.	13.1998	0.0046	13.4057	0.009
5G41278.D	AC67224-012(100X)	07/30/12 14:14	Soil	5G41273.	0.0000	200 *	0.0000	200 *
5G41279.D	AC67224-007(5X)	07/30/12 14:32	Soil	5G41273.	13.1997	0.0053	13.4086	0.0127
5G41280.D	AC67224-014	07/30/12 14:49	Soil	5G41273.	13.1992	0.0091	13.4086	0.0127
5G41281.D	CAL PEST@100PPB	07/30/12 15:24	Soil	5G41273.	13.2002	0.0015	13.4090	0.0157
5G41282.D	MBS	07/30/12 15:47	Soil	5G41281.	13.2011	0.0068	13.4067	0.0172
5G41283.D	MB	07/30/12 16:04	Soil	5G41281.	13.2001	0.0008	13.4072	0.0134

Drift Compound: DCB-Surrogate Drift Limit(s): 0.5 (Pest/Pcb) 1.5(Herb/Tph) * - Values outside of limits for this column/run

Form 5

Method: EPA 8081A

Instrument: GC_5

Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Data File	Sample#	Analysis Date/Time	Matrix	Reference File	Column 1 RT	Column 1 % Drift	Column 2 RT	Column 2 % Drift
5G41284.D	BLK	07/31/12 04:01	Soil					
5G41285.D	BLK	07/31/12 04:19	Soil					
5G41286.D	CAL EVAL	07/31/12 04:36	Soil					
5G41287.D	100PPB	07/31/12 04:54	Soil					
5G41288.D	CAL PEST@200PPB	07/31/12 05:12	Soil	5G41288.	13.2019	0	13.4103	0
5G41289.D	WMB14957(MS)	07/31/12 05:29	Aqueous	5G41288.	13.2006	0.0098	13.4086	0.0127
5G41290.D	WMB14957	07/31/12 05:47	Aqueous	5G41288.	13.2009	0.0076	13.4089	0.0104
5G41291.D	SMB14953(MS)	07/31/12 06:05	Soil	5G41288.	13.2002	0.0129	13.4085	0.0134
5G41292.D	AC67152-001	07/31/12 06:23	Soil	5G41288.	13.2011	0.0061	13.4093	0.0075
5G41293.D	AC67152-001(MS)	07/31/12 06:41	Soil	5G41288.	13.2007	0.0091	13.4082	0.0157
5G41294.D	AC67152-001(MSD)	07/31/12 06:58	Soil	5G41288.	13.2010	0.0068	13.4096	0.0052
5G41295.D	AC67152-005	07/31/12 07:16	Soil	5G41288.	13.2001	0.0136	13.4083	0.0149
5G41296.D	AC67152-006	07/31/12 07:34	Soil	5G41288.	13.2005	0.0106	13.4089	0.0104
5G41297.D	EF-2 V-143677(DT:7/26/	07/31/12 08:08	Aqueous	5G41288.	13.2008	0.0083	13.4084	0.0142
5G41298.D	CAL PEST@100PPB	07/31/12 08:44	Aqueous	5G41288.	13.2017	0.0015	13.4092	0.0082
5G41299.D	AC67271-003	07/31/12 09:04	Aqueous	5G41298.	13.2013	0.003	13.4082	0.0075
5G41300.D	AC67271-005	07/31/12 09:22	Aqueous	5G41298.	13.2021	0.003	13.4077	0.0112
5G41301.D	AC67271-007	07/31/12 09:40	Aqueous	5G41298.	13.2017	0	13.4096	0.003
5G41302.D	AC67271-012	07/31/12 09:59	Aqueous	5G41298.	13.2025	0.0061	13.4093	0.0007
5G41303.D	AC67271-009	07/31/12 10:17	Aqueous	5G41298.	13.2006	0.0083	13.4086	0.0045
5G41304.D	AC67271-001	07/31/12 10:34	Aqueous	5G41298.	13.2004	0.0098	13.4086	0.0045
5G41305.D	EF-1 V-145972(DT:7/26/	07/31/12 11:18	Aqueous	5G41298.	13.2014	0.0023	13.4085	0.0052
5G41306.D	CAL PEST@100PPB	07/31/12 11:36	Aqueous	5G41298.	13.2021	0.003	13.4092	0

Drift Compound: DCB-Surrogate

Drift Limit(s): 0.5 (Pest/Pcb) 1.5(Herb/Tph)

* - Values outside of limits for this column/run

Form 5

Method: EPA 8081A

Instrument: GC_6

Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Data File	Sample#	Analysis Date/Time	Matrix	Reference File	Column 1 RT	Column 1 % Drift	Column 2 RT	Column 2 % Drift
6G34510.D	BLK	07/31/12 05:01	Soil					
6G34511.D	BLK	07/31/12 05:18	Soil					
6G34512.D	BLK	07/31/12 05:35	Soil					
6G34513.D	CAL EVAL	07/31/12 05:52	Soil					
6G34514.D	100PPB	07/31/12 06:09	Soil					
6G34515.D	CAL PEST@200PPB	07/31/12 07:41	Soil	6G34515.	12.4540	0	12.6089	0
6G34516.D	AC67250-006(T)	07/31/12 07:59	Aqueous	6G34515.	12.4556	0.0128	12.6103	0.0111
6G34517.D	AC67259-022(T)	07/31/12 08:16	Aqueous	6G34515.	12.4541	0.0008	12.6102	0.0103
6G34518.D	CAL PEST@200PPB	07/31/12 09:09	Aqueous	6G34515.	12.4544	0.0032	12.6086	0.0024
6G34519.D	AC67250-006	07/31/12 09:27	Soil	6G34518.	12.4551	0.0056	12.6094	0.0063
6G34520.D	AC67152-002	07/31/12 09:44	Soil	6G34518.	12.4551	0.0056	12.6110	0.019
6G34521.D	AC67271-005	07/31/12 10:19	Aqueous	6G34518.	12.4557	0.0104	12.6104	0.0143
6G34522.D	CAL PEST@200PPB	07/31/12 10:36	Aqueous	6G34518.	12.4559	0.012	12.6109	0.0182

Drift Compound: DCB-Surrogate Drift Limit(s): 0.5 (Pest/Pcb) 1.5(Herb/Tph) * - Values outside of limits for this column/run

Form 5

Method: EPA 8081A

Instrument: GC_6

Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Data File	Sample#	Analysis Date/Time	Matrix	Reference File	Column 1 RT	Column 1 % Drift	Column 2 RT	Column 2 % Drift
6G34540.D	CAL EVAL	08/01/12 07:20	Soil					
6G34541.D	CAL PEST@100PPB	08/01/12 07:39	Soil	6G34541.	12.4567	0	12.6116	0
6G34542.D	SMB14967	08/01/12 07:58	Soil	6G34541.	12.4563	0.0032	12.6106	0.0079
6G34543.D	SMB14967(MS)	08/01/12 08:15	Soil	6G34541.	12.4560	0.0056	12.6093	0.0182
6G34544.D	AC67152-004(MS)	08/01/12 08:32	Soil	6G34541.	12.4546	0.0169	12.6101	0.0119
6G34545.D	AC67152-004(MSD)	08/01/12 08:50	Soil	6G34541.	12.4535	0.0257	12.6108	0.0063
6G34546.D	AC67152-004	08/01/12 09:07	Soil	6G34541.	12.4543	0.0193	12.6099	0.0135
6G34547.D	AC67152-007	08/01/12 09:24	Soil	6G34541.	12.4533	0.0273	12.6096	0.0159
6G34548.D	AC67152-008	08/01/12 09:41	Soil	6G34541.	12.4556	0.0088	12.6108	0.0063
6G34549.D	AC67152-009	08/01/12 09:58	Soil	6G34541.	12.4542	0.0201	12.6110	0.0048
6G34550.D	AC67152-003	08/01/12 10:15	Soil	6G34541.	12.4581	0.0112	12.6090	0.0206
6G34551.D	AC67123-004	08/01/12 10:32	Soil	6G34541.	12.4568	0.0008	12.6118	0.0016
6G34552.D	AC67122-001(5X)	08/01/12 10:49	Soil	6G34541.	12.4561	0.0048	12.6107	0.0071
6G34553.D	AC67122-001(3X)	08/01/12 12:01	Soil	6G34541.	12.4656	0.0714	12.6122	0.0048
6G34554.D	CAL PEST@100PPB	08/01/12 12:48	Soil	6G34541.	12.4548	0.0153	12.6115	0.0008

Drift Compound: DCB-Surrogate

Drift Limit(s): 0.5 (Pest/Pcb) 1.5(Herb/Tph)

* - Values outside of limits for this column/run

2071832 0324

Method: EPA 8081A

Initial Calibration

Instrument: GC_6

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	5G41145.	CAL PEST@2PPB	07/23/12 17:17	2	5G41146.	CAL PEST@10PPB	07/23/12 17:35
3	5G41147.	CAL PEST@50PPB	07/23/12 17:53	4	5G41148.	CAL PEST@100PPB	07/23/12 18:10
5	5G41149.	CAL PEST@200PPB	07/23/12 18:28	6	5G41150.	CAL PEST@400PPB	07/23/12 18:46
7	5G41151.	CAL CHLO@100PPB	07/23/12 19:04	8	5G41152.	CAL TOX@500PPB	07/23/12 19:22

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8
TCMX-Surrogate	1	0	Avg	204.60	192.97	183.86	184.12	181.21	180.25	----	----	188	6.24	1.00	1.00	5.0	2.00	10.00	50.00	100.0	200.0	400.0		
alpha-BHC	1	0	Avg	239.92	247.73	251.13	258.84	261.20	266.20	----	----	254	7.46	1.00	1.00	3.8	2.00	10.00	50.00	100.0	200.0	400.0		
gamma-BHC	1	0	Avg	231.23	230.97	228.21	235.10	236.98	240.03	----	----	234	7.97	1.00	1.00	1.9	2.00	10.00	50.00	100.0	200.0	400.0		
beta-BHC	1	0	Avg	108.46	98.420	92.930	95.207	94.796	94.300	----	----	97.4	8.82	1.00	1.00	5.9	2.00	10.00	50.00	100.0	200.0	400.0		
Heptachlor	1	0	Avg	222.19	215.41	205.02	211.32	206.92	200.35	----	----	210	8.29	1.00	1.00	3.7	2.00	10.00	50.00	100.0	200.0	400.0		
delta-BHC	1	0	Avg	239.36	218.02	214.89	221.37	224.28	227.80	----	----	224	9.15	1.00	1.00	3.9	2.00	10.00	50.00	100.0	200.0	400.0		
Aldrin	1	0	Avg	207.74	210.64	206.84	212.50	209.26	204.29	----	----	209	8.65	1.00	1.00	1.4	2.00	10.00	50.00	100.0	200.0	400.0		
Heptachlor Epoxide	1	0	Avg	195.15	187.80	180.93	184.31	181.31	177.32	----	----	184	9.44	1.00	1.00	3.4	2.00	10.00	50.00	100.0	200.0	400.0		
γ-chlordane	1	0	Avg	208.16	188.72	183.22	191.57	191.99	189.67	----	----	192	9.82	1.00	1.00	4.4	2.00	10.00	50.00	100.0	200.0	400.0		
a-chlordane	1	0	Avg	187.17	178.63	174.17	181.55	182.27	180.68	----	----	181	9.89	1.00	1.00	2.4	2.00	10.00	50.00	100.0	200.0	400.0		
Endosulfan I	1	0	Avg	178.53	168.58	162.52	167.06	164.86	161.76	----	----	167	9.79	1.00	1.00	3.7	2.00	10.00	50.00	100.0	200.0	400.0		
p,p'-DDE	1	0	Avg	178.88	176.96	175.45	184.74	185.48	183.32	----	----	181	9.98	1.00	1.00	2.4	2.00	10.00	50.00	100.0	200.0	400.0		
Dieldrin	1	0	Avg	176.65	176.49	176.01	182.99	182.65	180.13	----	----	179	10.21	1.00	1.00	1.8	2.00	10.00	50.00	100.0	200.0	400.0		
Endrin	1	0	Avg	152.26	147.79	146.55	152.63	152.47	148.90	----	----	150	10.45	1.00	1.00	1.8	2.00	10.00	50.00	100.0	200.0	400.0		
p,p'-DDD	1	0	Avg	166.26	156.78	151.77	153.77	154.25	153.45	----	----	156	10.86	1.00	1.00	3.4	2.00	10.00	50.00	100.0	200.0	400.0		
Endosulfan II	1	0	Avg	162.75	150.39	146.59	152.88	153.06	152.05	----	----	153	10.97	1.00	1.00	3.5	2.00	10.00	50.00	100.0	200.0	400.0		
p,p'-DDT	1	0	Qua	101.42	101.29	101.58	118.81	128.03	131.83	----	----	114	11.07	0.999	1.00	12	2.00	10.00	50.00	100.0	200.0	400.0		
Endrin Aldehyde	1	0	Avg	103.54	103.62	110.41	112.66	113.18	115.35	----	----	110	11.41	1.00	1.00	4.6	2.00	10.00	50.00	100.0	200.0	400.0		
Endosulfan Sulfate	1	0	Avg	135.64	122.60	122.28	129.15	131.56	131.35	----	----	129	11.75	1.00	1.00	4.1	2.00	10.00	50.00	100.0	200.0	400.0		
Methoxychlor	1	0	Qua	42.139	46.410	51.513	58.200	61.529	62.455	----	----	53.7	11.71	1.00	1.00	16	2.00	10.00	50.00	100.0	200.0	400.0		
Endrin Ketone	1	0	Avg	144.74	137.40	138.30	148.31	153.87	156.47	----	----	147	12.24	1.00	1.00	5.4	2.00	10.00	50.00	100.0	200.0	400.0		
DCB-Surrogate	1	0	Avg	152.30	132.81	123.92	130.28	131.84	130.37	----	----	134	13.21	1.00	1.00	7.2	2.00	10.00	50.00	100.0	200.0	400.0		
Chlordane	1	1	Avg	----	----	----	----	----	----	----	----	8.18	8.09	-1	-1	Lvl=7	100.0							
Chlordane	1	2	Avg	----	----	----	----	----	----	----	----	20.5	9.82	-1	-1	Lvl=7	100.0							
Chlordane	1	3	Avg	----	----	----	----	----	----	----	----	29.8	9.89	-1	-1	Lvl=7	100.0							
Toxaphene	1	1	Avg	----	----	----	----	----	----	----	----	0.598	9.87	-1	-1	Lvl=8	500.0							
Toxaphene	1	2	Avg	----	----	----	----	----	----	----	----	0.769	10.13	-1	-1	Lvl=8	500.0							
Toxaphene	1	3	Avg	----	----	----	----	----	----	----	----	1.11	10.69	-1	-1	Lvl=8	500.0							
Toxaphene	1	4	Avg	----	----	----	----	----	----	----	----	1.94	11.31	-1	-1	Lvl=8	500.0							
Toxaphene	1	5	Avg	----	----	----	----	----	----	----	----	2.52	11.75	-1	-1	Lvl=8	500.0							
TCMX-Surrogate	2	0	Avg	157.42	145.00	138.89	136.20	129.97	127.25	----	----	139	6.05	1.00	1.00	7.9	2.00	10.00	50.00	100.0	200.0	400.0		
alpha-BHC	2	0	Avg	204.20	206.09	205.26	208.22	205.07	203.37	----	----	205	7.05	1.00	1.00	0.82	2.00	10.00	50.00	100.0	200.0	400.0		
gamma-BHC	2	0	Avg	190.68	184.88	181.15	184.64	181.64	179.10	----	----	184	7.58	1.00	1.00	2.2	2.00	10.00	50.00	100.0	200.0	400.0		
beta-BHC	2	0	Avg	94.602	83.730	77.147	77.897	75.425	72.317	----	----	80.2	7.67	0.999	1.00	10	2.00	10.00	50.00	100.0	200.0	400.0		
Heptachlor	2	0	LinF	180.17	154.32	142.93	146.11	142.03	135.65	----	----	150	8.01	0.999	1.00	11	2.00	10.00	50.00	100.0	200.0	400.0		
delta-BHC	2	0	Avg	184.43	177.29	176.15	180.48	178.04	175.99	----	----	179	8.16	1.00	1.00	1.8	2.00	10.00	50.00	100.0	200.0	400.0		

Avg Rsd Col 1: 4.62 Avg Rsd Col 2: 4.82

Flags

c - failed the initial calibration criteria(if applicable)

Note:

Col = Column Number
Mr = MultiPeak Analyte 0=single peak analyte..>0=multi peak analyte (i.e. pcb/chlordane etc..)
Fit = Indicates whehter Avg RF, Linear, or Quadratic Curve was used for compound.
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.

All Response Factors = Response Factors / 10000
Initial Calibration Criteria: either %RSD <=20 or Corr >= .995
Columns: Signal #1 db-1701 : Signal #2 db-608

^Lvl: These compounds use a single pt calibration as specified by the method. The file used to update this calibration point is listed in the header under level #

2071832 0325

Method: EPA 8081A

Initial Calibration

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	5G41145.	CAL PEST@2PPB	07/23/12 17:17	2	5G41146.	CAL PEST@10PPB	07/23/12 17:35
3	5G41147.	CAL PEST@50PPB	07/23/12 17:53	4	5G41148.	CAL PEST@100PPB	07/23/12 18:10
5	5G41149.	CAL PEST@200PPB	07/23/12 18:28	6	5G41150.	CAL PEST@400PPB	07/23/12 18:46
7	5G41151.	CAL CHLO@100PPB	07/23/12 19:04	8	5G41152.	CAL TOX@500PPB	07/23/12 19:22

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8
Aldrin	2	0	Avg	172.58	163.31	156.67	159.72	154.44	145.97	----	----	159	8.44	0.999	1.00	5.6	2.00	10.00	50.00	100.0	200.0	400.0		
Heptachlor Epoxide	2	0	Avg	159.33	149.63	139.12	140.54	135.27	128.36	----	----	142	9.14	0.999	1.00	7.7	2.00	10.00	50.00	100.0	200.0	400.0		
γ-chlordane	2	0	Avg	153.47	146.78	140.12	144.51	142.75	138.28	----	----	144	9.34	1.00	1.00	3.7	2.00	10.00	50.00	100.0	200.0	400.0		
a-chlordane	2	0	Avg	150.35	140.90	133.61	138.10	136.47	131.45	----	----	138	9.54	1.00	1.00	4.8	2.00	10.00	50.00	100.0	200.0	400.0		
Endosulfan I	2	0	Avg	144.93	137.30	127.20	128.63	124.11	117.31	----	----	130	9.58	0.999	1.00	7.6	2.00	10.00	50.00	100.0	200.0	400.0		
p,p'-DDE	2	0	Avg	139.37	137.72	132.48	138.51	136.67	131.43	----	----	136	9.83	1.00	1.00	2.4	2.00	10.00	50.00	100.0	200.0	400.0		
Dieldrin	2	0	Avg	141.47	137.38	132.35	136.43	133.21	127.76	----	----	135	9.95	0.999	1.00	3.5	2.00	10.00	50.00	100.0	200.0	400.0		
Endrin	2	0	Avg	110.14	107.42	102.52	106.43	105.10	100.93	----	----	105	10.39	0.999	1.00	3.2	2.00	10.00	50.00	100.0	200.0	400.0		
p,p'-DDD	2	0	Avg	109.37	107.47	104.17	109.24	109.26	106.54	----	----	108	10.49	1.00	1.00	1.9	2.00	10.00	50.00	100.0	200.0	400.0		
Endosulfan II	2	0	Avg	122.00	115.98	110.43	114.94	113.75	111.46	----	----	115	10.60	1.00	1.00	3.6	2.00	10.00	50.00	100.0	200.0	400.0		
p,p'-DDT	2	0	Avg	100.58	103.11	103.93	111.31	113.38	112.12	----	----	107	10.84	1.00	1.00	5.1	2.00	10.00	50.00	100.0	200.0	400.0		
Endrin Aldehyde	2	0	Avg	101.38	94.177	91.251	91.687	90.776	90.140	----	----	93.2	10.98	1.00	1.00	4.5	2.00	10.00	50.00	100.0	200.0	400.0		
Endosulfan Sulfate	2	0	Avg	117.96	109.99	104.44	108.62	107.65	104.63	----	----	109	11.13	1.00	1.00	4.6	2.00	10.00	50.00	100.0	200.0	400.0		
Methoxychlor	2	0	Avg	46.948	45.157	43.967	46.757	47.521	46.970	----	----	46.2	11.84	1.00	1.00	2.9	2.00	10.00	50.00	100.0	200.0	400.0		
Endrin Ketone	2	0	Avg	130.69	126.35	122.99	128.69	129.21	127.06	----	----	128	12.04	1.00	1.00	2.1	2.00	10.00	50.00	100.0	200.0	400.0		
DCB-Surrogate	2	0	Avg	129.27	113.48	102.20	105.74	105.60	102.63	----	----	110	13.41	1.00	1.00	9.4	2.00	10.00	50.00	100.0	200.0	400.0		
Chlordane	2	1	Avg	----	----	----	----	----	----	----	----	6.77	7.81	-1	-1	Lvl=7	100.0							
Chlordane	2	2	Avg	----	----	----	----	----	----	----	----	17.4	9.34	-1	-1	Lvl=7	100.0							
Chlordane	2	3	Avg	----	----	----	----	----	----	----	----	14.0	9.54	-1	-1	Lvl=7	100.0							
Toxaphene	2	1	Avg	----	----	----	----	----	----	----	----	0.945	9.70	-1	-1	Lvl=8	500.0							
Toxaphene	2	2	Avg	----	----	----	----	----	----	----	----	0.707	9.79	-1	-1	Lvl=8	500.0							
Toxaphene	2	3	Avg	----	----	----	----	----	----	----	----	1.78	10.88	-1	-1	Lvl=8	500.0							
Toxaphene	2	4	Avg	----	----	----	----	----	----	----	----	2.07	11.58	-1	-1	Lvl=8	500.0							
Toxaphene	2	5	Avg	----	----	----	----	----	----	----	----	1.50	11.65	-1	-1	Lvl=8	500.0							

Avg Rsd Col 1: 4.62 Avg Rsd Col 2: 4.82

Flags

c - failed the initial calibration criteria(if applicable)

Note:

Col = Column Number
Mr = MultiPeak Analyte 0=single peak analyte..>0=multi peak analyte (i.e. pcb/chlordane etc..)
Fit = Indicates whehter Avg RF, Linear, or Quadratic Curve was used for compound.
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.

All Response Factors = Response Factors / 10000
Initial Calibration Criteria: either %RSD <=20 or Corr >= .995
Columns: Signal #1 db-1701 : Signal #2 db-608

^Lvl: These compounds use a single pt calibration as specified by the method. The file used to update this calibration point is listed in the header under level #

2071832 0326

Method: EPA 8081A

Initial Calibration

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	6G34440.	CAL PEST@2PPB	07/26/12 08:31	2	6G34439.	CAL PEST@10PPB	07/26/12 08:14
3	6G34441.	CAL PEST@50PPB	07/26/12 08:48	4	6G34442.	CAL PEST@100PPB	07/26/12 09:05
5	6G34443.	CAL PEST@200PPB	07/26/12 09:22	6	6G34444.	CAL PEST@400PPB	07/26/12 09:39
7	6G34445.	CAL CHLO@100PPB	07/26/12 09:58	8	6G34446.	CAL TOX@500PPB	07/26/12 10:15

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8
TCMX-Surrogate	1	0	Avg	1.0651	1.0390	1.2402	1.2838	1.1678	1.0462	----	----	1.14	5.15	0.995	1.00	9.3	2.00	10.00	50.00	100.0	200.0	400.0		
alpha-BHC	1	0	Qua	0.8630	1.0086	1.5518	1.5755	1.5668	1.3580	----	----	1.32	6.32	0.993	1.00	24	2.00	10.00	50.00	100.0	200.0	400.0		
gamma-BHC	1	0	Qua	0.9114	0.9379	1.5107	1.5215	1.5085	1.2201	----	----	1.27	6.84	0.985	0.999	23	2.00	10.00	50.00	100.0	200.0	400.0		
beta-BHC	1	0	Avg	0.7720	0.7257	0.7618	0.7817	0.7499	0.6228	----	----	0.736	7.72	0.988	1.00	8.0	2.00	10.00	50.00	100.0	200.0	400.0		
Heptachlor	1	0	Qua	0.9889	0.9377	1.1946	1.2669	1.2325	0.9758	----	----	1.10	7.15	0.981	0.999	13	2.00	10.00	50.00	100.0	200.0	400.0		
delta-BHC	1	0	Qua	1.2304	0.9910	1.4349	1.4776	1.4888	1.2076	----	----	1.31	8.07	0.986	0.999	15	2.00	10.00	50.00	100.0	200.0	400.0		
Aldrin	1	0	Qua	0.8976	0.9191	1.2567	1.3807	1.3394	1.0968	----	----	1.15	7.52	0.986	0.999	18	2.00	10.00	50.00	100.0	200.0	400.0		
Heptachlor Epoxide	1	0	Qua	0.9427	1.0131	1.2763	1.2913	1.2742	0.9866	----	----	1.13	8.35	0.978	0.999	15	2.00	10.00	50.00	100.0	200.0	400.0		
y-chlordane	1	0	Qua	1.2778	1.2773	1.4485	1.6214	1.5747	1.2146	----	----	1.40	8.75	0.977	0.999	12	2.00	10.00	50.00	100.0	200.0	400.0		
a-chlordane	1	0	Qua	1.0796	1.1640	1.3160	1.3881	1.3539	1.0430	----	----	1.22	8.81	0.977	0.999	12	2.00	10.00	50.00	100.0	200.0	400.0		
Endosulfan I	1	0	Qua	0.6923	0.7343	0.9535	1.0016	0.9197	0.7643	----	----	0.844	8.72	0.987	1.00	15	2.00	10.00	50.00	100.0	200.0	400.0		
p,p'-DDE	1	0	Qua	0.8507	0.8770	1.1782	1.2948	1.2704	1.0360	----	----	1.08	8.90	0.986	0.999	18	2.00	10.00	50.00	100.0	200.0	400.0		
Dieldrin	1	0	Qua	0.8042	0.9358	1.1097	1.2330	1.2242	0.9817	----	----	1.05	9.16	0.984	0.999	16	2.00	10.00	50.00	100.0	200.0	400.0		
Endrin	1	0	Qua	0.7615	0.7254	0.8472	1.0358	1.0202	0.8432	----	----	0.872	9.42	0.987	0.998	15	2.00	10.00	50.00	100.0	200.0	400.0		
p,p'-DDD	1	0	Qua	0.7518	0.7482	0.9261	1.0978	1.0427	0.8616	----	----	0.905	9.84	0.987	0.999	16	2.00	10.00	50.00	100.0	200.0	400.0		
Endosulfan II	1	0	Qua	0.9616	0.9612	1.1144	1.2244	1.1756	0.9356	----	----	1.06	9.98	0.982	0.999	12	2.00	10.00	50.00	100.0	200.0	400.0		
p,p'-DDT	1	0	Qua	0.3121	0.4118	0.5461	0.8143	0.8394	0.7128	----	----	0.606	10.06	0.989	0.997	36	2.00	10.00	50.00	100.0	200.0	400.0		
Endrin Aldehyde	1	0	Qua	0.7184	0.7276	0.8869	0.9760	0.9645	0.8218	----	----	0.849	10.46	0.992	0.999	13	2.00	10.00	50.00	100.0	200.0	400.0		
Endosulfan Sulfate	1	0	Qua	0.8563	0.8923	0.9331	1.0894	1.0203	0.8190	----	----	0.935	10.83	0.982	0.999	11	2.00	10.00	50.00	100.0	200.0	400.0		
Methoxychlor	1	0	Qua	0.2704	0.3358	0.3358	0.4457	0.4797	0.4001	----	----	0.378	10.75	0.989	0.996	21	2.00	10.00	50.00	100.0	200.0	400.0		
Endrin Ketone	1	0	Qua	1.0348	1.0515	1.2125	1.4203	1.2916	1.0134	----	----	1.17	11.38	0.977	0.999	14	2.00	10.00	50.00	100.0	200.0	400.0		
DCB-Surrogate	1	0	Qua	1.7887	1.5006	1.2679	1.4728	1.3316	1.0290	----	----	1.40	12.46	0.975	0.999	18	2.00	10.00	50.00	100.0	200.0	400.0		
Chlordane	1	1	Avg	----	----	----	----	----	----	----	----	0.0366	6.96	-1	-1	Lvl=7	100.0							
Chlordane	1	2	Avg	----	----	----	----	----	----	----	----	0.102	8.76	-1	-1	Lvl=7	100.0							
Chlordane	1	3	Avg	----	----	----	----	----	----	----	----	0.181	8.83	-1	-1	Lvl=7	100.0							
Toxaphene	1	1	Avg	----	----	----	----	----	----	----	----	0.00383	8.83	-1	-1	Lvl=8	500.0							
Toxaphene	1	2	Avg	----	----	----	----	----	----	----	----	0.00413	9.09	-1	-1	Lvl=8	500.0							
Toxaphene	1	3	Avg	----	----	----	----	----	----	----	----	0.0102	9.90	-1	-1	Lvl=8	500.0							
Toxaphene	1	4	Avg	----	----	----	----	----	----	----	----	0.0213	10.34	-1	-1	Lvl=8	500.0							
Toxaphene	1	5	Avg	----	----	----	----	----	----	----	----	0.0155	10.82	-1	-1	Lvl=8	500.0							
TCMX-Surrogate	2	0	Avg	0.9665	0.9076	0.9084	0.9343	0.9431	0.8341	----	----	0.916	4.94	0.996	1.00	5.0	2.00	10.00	50.00	100.0	200.0	400.0		
alpha-BHC	2	0	Qua	0.8506	0.8153	1.0558	1.2232	1.3283	1.2052	----	----	1.08	5.85	0.997	0.999	19	2.00	10.00	50.00	100.0	200.0	400.0		
gamma-BHC	2	0	Qua	0.8251	0.8092	0.9887	1.1218	1.1979	1.0649	----	----	1.00	6.37	0.996	0.999	16	2.00	10.00	50.00	100.0	200.0	400.0		
beta-BHC	2	0	Qua	0.7751	0.6299	0.6081	0.6370	0.6419	0.5611	----	----	0.642	6.45	0.995	0.999	11	2.00	10.00	50.00	100.0	200.0	400.0		
Heptachlor	2	0	Qua	1.3104	0.8335	0.7628	0.8611	0.9248	0.8148	----	----	0.918	6.81	0.995	0.998	22	2.00	10.00	50.00	100.0	200.0	400.0		
delta-BHC	2	0	Qua	0.7582	0.7312	0.9514	1.1080	1.2115	1.0916	----	----	0.975	6.95	0.996	0.998	20	2.00	10.00	50.00	100.0	200.0	400.0		

Avg Rsd Col 1: 16.1 Avg Rsd Col 2: 11.2

Flags

c - failed the initial calibration criteria(if applicable)

Note:

Col = Column Number
Mr = MultiPeak Analyte 0=single peak analyte..>0=multi peak analyte (i.e. pch/chlordane etc..)
Fit = Indicates whehter Avg RF, Linear, or Quadratic Curve was used for compound.
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.

All Response Factors = Response Factors / 10000
Initial Calibration Criteria: either %RSD <=20 or Corr >= .995
Columns: Signal #1 db-1701 : Signal #2 db-608

^Lvl: These compounds use a single pt calibration as specified by the method. The file used to update this calibration point is listed in the header under level #

2071832 0327

Method: EPA 8081A

Initial Calibration

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	6G34440.	CAL PEST@2PPB	07/26/12 08:31	2	6G34439.	CAL PEST@10PPB	07/26/12 08:14
3	6G34441.	CAL PEST@50PPB	07/26/12 08:48	4	6G34442.	CAL PEST@100PPB	07/26/12 09:05
5	6G34443.	CAL PEST@200PPB	07/26/12 09:22	6	6G34444.	CAL PEST@400PPB	07/26/12 09:39
7	6G34445.	CAL CHLO@100PPB	07/26/12 09:58	8	6G34446.	CAL TOX@500PPB	07/26/12 10:15

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8
Aldrin	2	0	Qua	0.9410	0.8149	0.9152	1.0470	1.1147	0.9792	----	----	0.969	7.25	0.995	0.998	11	2.00	10.00	50.00	100.0	200.0	400.0		
Heptachlor Epoxide	2	0	Avg	0.9624	0.8766	0.8793	0.9734	1.0167	0.8813	----	----	0.932	7.97	0.994	0.999	6.5	2.00	10.00	50.00	100.0	200.0	400.0		
v-chlordane	2	0	Avg	1.0200	0.9191	0.9259	1.0362	1.0846	0.9400	----	----	0.988	8.18	0.994	0.999	7.0	2.00	10.00	50.00	100.0	200.0	400.0		
a-chlordane	2	0	Avg	0.9512	0.8539	0.8596	0.9429	0.9646	0.8237	----	----	0.899	8.38	0.992	0.999	6.7	2.00	10.00	50.00	100.0	200.0	400.0		
Endosulfan I	2	0	Avg	1.0545	0.9354	0.9310	1.0600	1.1259	0.9744	----	----	1.01	8.43	0.994	0.998	7.8	2.00	10.00	50.00	100.0	200.0	400.0		
p,p'-DDE	2	0	Qua	0.8547	0.7583	0.7995	0.9461	1.0191	0.8868	----	----	0.877	8.67	0.994	0.998	11	2.00	10.00	50.00	100.0	200.0	400.0		
Dieldrin	2	0	Qua	0.8463	0.7499	0.7873	0.9191	0.9867	0.8628	----	----	0.859	8.81	0.994	0.998	10	2.00	10.00	50.00	100.0	200.0	400.0		
Endrin	2	0	Avg	0.6465	0.5959	0.6061	0.6945	0.7464	0.6489	----	----	0.656	9.28	0.994	0.998	8.6	2.00	10.00	50.00	100.0	200.0	400.0		
p,p'-DDD	2	0	Qua	0.5941	0.5905	0.6246	0.7152	0.7762	0.6890	----	----	0.665	9.37	0.995	0.998	11	2.00	10.00	50.00	100.0	200.0	400.0		
Endosulfan II	2	0	Avg	0.8861	0.8161	0.8339	0.9237	0.9580	0.8258	----	----	0.874	9.50	0.993	0.999	6.7	2.00	10.00	50.00	100.0	200.0	400.0		
p,p'-DDT	2	0	Qua	0.4248	0.4617	0.5069	0.6465	0.7270	0.6394	----	----	0.568	9.74	0.994	0.997	21	2.00	10.00	50.00	100.0	200.0	400.0		
Endrin Aldehyde	2	0	Avg	0.8131	0.7217	0.6708	0.7012	0.7223	0.6449	----	----	0.712	9.90	0.996	0.999	8.1	2.00	10.00	50.00	100.0	200.0	400.0		
Endosulfan Sulfate	2	0	Avg	0.7826	0.7272	0.7054	0.7907	0.8328	0.7285	----	----	0.761	10.05	0.995	0.999	6.4	2.00	10.00	50.00	100.0	200.0	400.0		
Methoxychlor	2	0	Avg	0.3073	0.3232	0.2988	0.3401	0.3568	0.3064	----	----	0.322	10.79	0.993	0.998	7.0	2.00	10.00	50.00	100.0	200.0	400.0		
Endrin Ketone	2	0	Avg	0.9141	0.9120	0.9437	1.0393	1.0719	0.9289	----	----	0.968	11.03	0.994	0.999	7.2	2.00	10.00	50.00	100.0	200.0	400.0		
DCB-Surrogate	2	0	Qua	1.4560	1.2804	1.0489	1.0779	1.0466	0.8857	----	----	1.13	12.62	0.992	1.00	18	2.00	10.00	50.00	100.0	200.0	400.0		
Chlordane	2	1	Avg	----	----	----	----	----	----	----	----	0.0377	6.61	-1	-1	Lvl=7	100.0							
Chlordane	2	2	Avg	----	----	----	----	----	----	----	----	0.162	8.18	-1	-1	Lvl=7	100.0							
Chlordane	2	3	Avg	----	----	----	----	----	----	----	----	0.0881	8.38	-1	-1	Lvl=7	100.0							
Toxaphene	2	1	Avg	----	----	----	----	----	----	----	----	0.00486	8.56	-1	-1	Lvl=8	500.0							
Toxaphene	2	2	Avg	----	----	----	----	----	----	----	----	0.00478	8.65	-1	-1	Lvl=8	500.0							
Toxaphene	2	3	Avg	----	----	----	----	----	----	----	----	0.00920	9.80	-1	-1	Lvl=8	500.0							
Toxaphene	2	4	Avg	----	----	----	----	----	----	----	----	0.0149	10.55	-1	-1	Lvl=8	500.0							
Toxaphene	2	5	Avg	----	----	----	----	----	----	----	----	0.00970	10.62	-1	-1	Lvl=8	500.0							

Avg Rsd Col 1: 16.1 Avg Rsd Col 2: 11.2

Flags

c - failed the initial calibration criteria(if applicable)

Note:

Col = Column Number
Mr = MultiPeak Analyte 0=single peak analyte..>0=multi peak analyte (i.e. pcb/chlordane etc..)
Fit = Indicates whehter Avg RF, Linear, or Quadratic Curve was used for compound.
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.

All Response Factors = Response Factors / 10000
Initial Calibration Criteria: either %RSD <=20 or Corr >= .995
Columns: Signal #1 db-1701 : Signal #2 db-608

^Lvl: These compounds use a single pt calibration as specified by the method. The file used to update this calibration point is listed in the header under level #

Form7
Continuing Calibration

Method: EPA 8081A

Data File:				5G41273.D			5G41281.D			5G41288.D			5G41298.D			6G34518.D		
Method:				8081			8081			8081			8081			8081		
Calibration Name:				CAL PEST@100PP			CAL PEST@100PP			CAL PEST@200PP			CAL PEST@100PP			CAL PEST@200PP		
Calibration Date/Time				07/30/12 12:31			07/30/12 15:24			07/31/12 05:12			07/31/12 08:44			07/31/12 09:09		
Compound	Limit	Col	Mr	Conc	Conc Exp	%Diff	Conc	Conc Exp	%Diff	Conc	Conc Exp	%Diff	Conc	Conc Exp	%Diff	Conc	Conc Exp	%Diff
TCMX-Surrogate	15	1	0	98.77	100	1.2	96.76	100	3.2	196.6	200	1.7	99.33	100	0.7	202.5	200	1.3
alpha-BHC	15	1	0	102.1	100	2.1	98.61	100	1.4	213.3	200	6.7	100.1	100	0.1	189.2	200	5.4
gamma-BHC	15	1	0	100.4	100	0.4	96.21	100	3.8	210.3	200	5.2	100.9	100	0.9	193.1	200	3.4
beta-BHC	15	1	0	95.39	100	4.6	90.78	100	9.2	199.3	200	0.4	95.5	100	4.5	191.7	200	4.2
Heptachlor	15	1	0	93.98	100	6.0	92.17	100	7.8	191.0	200	4.5	84.53	100	15.5	198.3	200	0.9
delta-BHC	15	1	0	95.91	100	4.1	91.85	100	8.2	206.1	200	3.1	97.36	100	2.6	183.2	200	8.4
Aldrin	15	1	0	100.6	100	0.6	94.16	100	5.8	205.6	200	2.8	100.9	100	0.9	194.0	200	3.0
Heptachlor Epoxide	15	1	0	98.71	100	1.3	91.55	100	8.4	200.9	200	0.4	98.11	100	1.9	184.2	200	7.9
y-chlordane	15	1	0	94.37	100	5.6	86.88	100	13.1	205.1	200	2.6	97.71	100	2.3	187.2	200	6.4
a-chlordane	15	1	0	96.97	100	3.0	89.56	100	10.4	207.5	200	3.7	98.32	100	1.7	179.3	200	10.3
Endosulfan I	15	1	0	95.64	100	4.4	88.65	100	11.4	200.9	200	0.4	97.5	100	2.5	185.3	200	7.4
p,p'-DDE	15	1	0	99.37	100	0.6	92.9	100	7.1	207.2	200	3.6	98.3	100	1.7	195.4	200	2.3
Dieldrin	15	1	0	100.2	100	0.2	93.21	100	6.8	207.4	200	3.7	99.5	100	0.5	191.4	200	4.3
Endrin	15	1	0	99.69	100	0.3	92.99	100	7.0	202.7	200	1.3	99.02	100	1.0	205.1	200	2.6
p,p'-DDD	15	1	0	93.94	100	6.1	88.6	100	11.4	194.6	200	2.7	91.51	100	8.5	180.2	200	9.9
Endosulfan II	15	1	0	96.69	100	3.3	91.07	100	8.9	201.9	200	0.9	95.72	100	4.3	174.9	200	12.6
p,p'-DDT	15	1	0	97.53	100	2.5	92.13	100	7.9	206.5	200	3.2	91.72	100	8.3	176.2	200	11.9
Endrin Aldehyde	15	1	0	101.3	100	1.3	94.5	100	5.5	207.4	200	3.7	94.51	100	5.5	177	200	11.5
Endosulfan Sulfate	15	1	0	98.34	100	1.7	96.35	100	3.7	203.5	200	1.8	95.71	100	4.3	186.6	200	6.7
Methoxychlor	15	1	0	92.05	100	7.9	92.82	100	7.2	190.7	200	4.7	90.18	100	9.8	182.4	200	8.8
Endrin Ketone	15	1	0	97.73	100	2.3	95.8	100	4.2	208.8	200	4.4	98.52	100	1.5	176.5	200	11.7
DCB-Surrogate	15	1	0	95.58	100	4.4	91.44	100	8.6	194.1	200	2.9	92.38	100	7.6	180.2	200	9.9
Average Difference	15	1	0			2.9			7.3			2.9			3.9			6.9
TCMX-Surrogate	15	2	0	99.29	100	0.7	98.53	100	1.5	191.6	200	4.2	99.24	100	0.8	188.4	200	5.8
alpha-BHC	15	2	0	98.48	100	1.5	97.58	100	2.4	197	200	1.5	99.76	100	0.2	189.7	200	5.1
gamma-BHC	15	2	0	97.3	100	2.7	95.79	100	4.2	194.6	200	2.7	98.12	100	1.9	189.5	200	5.3
beta-BHC	15	2	0	93.08	100	6.9	91.49	100	8.5	185.8	200	7.1	93.39	100	6.6	185.9	200	7.0
Heptachlor	15	2	0	101.3	100	1.3	101.2	100	1.2	200.6	200	0.3	98.07	100	1.9	183.7	200	8.2
delta-BHC	15	2	0	95.23	100	4.8	93.61	100	6.4	195.9	200	2.0	97.69	100	2.3	188.2	200	5.9
Aldrin	15	2	0	97.91	100	2.1	95.3	100	4.7	191.9	200	4.1	97.92	100	2.1	188.8	200	5.6
Heptachlor Epoxide	15	2	0	96	100	4.0	93.54	100	6.5	187.8	200	6.1	95.75	100	4.3	196.7	200	1.6
y-chlordane	15	2	0	96.39	100	3.6	95.05	100	4.9	194.7	200	2.7	96.17	100	3.8	200.1	200	0.0
a-chlordane	15	2	0	95.99	100	4.0	93.62	100	6.4	192.8	200	3.6	95.09	100	4.9	195.3	200	2.3
Endosulfan I	15	2	0	95.62	100	4.4	93.36	100	6.6	187.7	200	6.1	94.83	100	5.2	200.3	200	0.2
p,p'-DDE	15	2	0	96.97	100	3.0	94.63	100	5.4	193.8	200	3.1	95.08	100	4.9	187.3	200	6.3
Dieldrin	15	2	0	95.56	100	4.4	93.08	100	6.9	190.6	200	4.7	95.15	100	4.8	178.1	200	11.0
Endrin	15	2	0	95.07	100	4.9	94	100	6.0	186.7	200	6.7	94.9	100	5.1	198.5	200	0.7
p,p'-DDD	15	2	0	92.63	100	7.4	92.3	100	7.7	185	200	7.5	91.04	100	9.0	179.3	200	10.3
Endosulfan II	15	2	0	94.54	100	5.5	93.04	100	7.0	191.3	200	4.4	93.47	100	6.5	194.1	200	2.9
p,p'-DDT	15	2	0	94.27	100	5.7	93.96	100	6.0	199.4	200	0.3	90.68	100	9.3	172.8	200	13.6
Endrin Aldehyde	15	2	0	90.83	100	9.2	88	100	12.0	182.5	200	8.8	86.56	100	13.4	172.5	200	13.8
Endosulfan Sulfate	15	2	0	93.69	100	6.3	91.27	100	8.7	188.9	200	5.6	91.43	100	8.6	185.5	200	7.2
Methoxychlor	15	2	0	86.56	100	13.4	90.95	100	9.1	176.1	200	12.0	88.87	100	11.1	178.0	200	11.0
Endrin Ketone	15	2	0	92.07	100	7.9	93.15	100	6.8	190.4	200	4.8	92.24	100	7.8	186.1	200	6.9
DCB-Surrogate	15	2	0	92.74	100	7.3	87.71	100	12.3	180.3	200	9.9	88.31	100	11.7	176.8	200	11.6
Average Difference	15	2	0			5.0			6.4			4.9			5.7			6.5

Flags/Notes: **** - Values outside of limits for this column/run***

Form7
Continuing Calibration

Method: EPA 8081A

Data File:				6G34522.D			6G34541.D			6G34554.D									
Method:				8081			8081			8081									
Calibration Name:				CAL PEST@200PP			CAL PEST@100PP			CAL PEST@100PP									
Calibration Date/Time				07/31/12 10:36			08/01/12 07:39			08/01/12 12:48									
					Conc			Conc			Conc			Conc			Conc		
Compound	Limit	Col	Mr	Conc	Exp	%Diff	Conc	Exp	%Diff	Conc	Exp	%Diff	Conc	Exp	%Diff	Conc	Exp	%Diff
TCMX-Surrogate	15	1	0	199.7	200	0.2	120.2	100	20.2*	120.8	100	20.8*						
alpha-BHC	15	1	0	200.8	200	0.4	104.7	100	4.7	106.9	100	6.9						
gamma-BHC	15	1	0	199.1	200	0.4	106.1	100	6.1	99.38	100	0.6						
beta-BHC	15	1	0	196.8	200	1.6	119.6	100	19.6*	117.3	100	17.3*						
Heptachlor	15	1	0	202.5	200	1.2	110.5	100	10.5	102.9	100	2.8						
delta-BHC	15	1	0	190.3	200	4.8	99.1	100	0.9	102.2	100	2.2						
Aldrin	15	1	0	194.3	200	2.8	105.7	100	5.7	102.7	100	2.7						
Heptachlor Epoxide	15	1	0	188.4	200	5.8	103.1	100	3.1	95.94	100	4.1						
y-chlordane	15	1	0	175.5	200	12.2	103.4	100	3.4	98.27	100	1.7						
a-chlordane	15	1	0	180.6	200	9.7	103.5	100	3.5	101.7	100	1.7						
Endosulfan I	15	1	0	188	200	6.0	113.3	100	13.3	97.05	100	2.9						
p,p'-DDE	15	1	0	197.3	200	1.3	106.4	100	6.4	94.81	100	5.2						
Dieldrin	15	1	0	191.1	200	4.4	110.8	100	10.8	97.01	100	3.0						
Endrin	15	1	0	203.7	200	1.8	119.5	100	19.5*	104.4	100	4.3						
p,p'-DDD	15	1	0	187.4	200	6.3	110.2	100	10.2	92.31	100	7.7						
Endosulfan II	15	1	0	188.8	200	5.6	106.2	100	6.2	101.6	100	1.6						
p,p'-DDT	15	1	0	186.4	200	6.8	88.8	100	11.2	91.15	100	8.8						
Endrin Aldehyde	15	1	0	175.6	200	12.2	99.34	100	0.7	94.04	100	6.0						
Endosulfan Sulfate	15	1	0	191.3	200	4.3	102.1	100	2.1	101.8	100	1.8						
Methoxychlor	15	1	0	192.1	200	4.0	97.28	100	2.7	90.47	100	9.5						
Endrin Ketone	15	1	0	189.2	200	5.4	103	100	3.0	98.19	100	1.8						
DCB-Surrogate	15	1	0	185.5	200	7.3	110.5	100	10.5	104.7	100	4.7						
Average Difference	15	1	0			4.8			7.9			5.4						
TCMX-Surrogate	15	2	0	200.9	200	0.4	102.2	100	2.2	106.6	100	6.6						
alpha-BHC	15	2	0	203.4	200	1.7	94.26	100	5.7	99.42	100	0.6						
gamma-BHC	15	2	0	202.2	200	1.1	95.04	100	5.0	100.3	100	0.3						
beta-BHC	15	2	0	194.5	200	2.8	96	100	4.0	100.1	100	0.1						
Heptachlor	15	2	0	210.9	200	5.4	99.89	100	0.1	108.1	100	8.1						
delta-BHC	15	2	0	202.1	200	1.1	93.61	100	6.4	99.54	100	0.5						
Aldrin	15	2	0	201.6	200	0.8	94.07	100	5.9	98.12	100	1.9						
Heptachlor Epoxide	15	2	0	209.6	200	4.8	104.0	100	4.0	108.8	100	8.8						
y-chlordane	15	2	0	209	200	4.5	103.4	100	3.4	108.4	100	8.4						
a-chlordane	15	2	0	205	200	2.5	103.6	100	3.6	108.3	100	8.3						
Endosulfan I	15	2	0	210.5	200	5.2	103.1	100	3.1	108.0	100	8.0						
p,p'-DDE	15	2	0	200.3	200	0.2	93.22	100	6.8	97.1	100	2.9						
Dieldrin	15	2	0	198.5	200	0.7	92.23	100	7.8	97.56	100	2.4						
Endrin	15	2	0	221.1	200	10.5	106	100	6.0	112.4	100	12.4						
p,p'-DDD	15	2	0	203.6	200	1.8	94.24	100	5.8	101.4	100	1.4						
Endosulfan II	15	2	0	206.4	200	3.2	103.9	100	3.9	106.8	100	6.8						
p,p'-DDT	15	2	0	197.8	200	1.1	89.92	100	10.1	93.49	100	6.5						
Endrin Aldehyde	15	2	0	193.2	200	3.4	95.64	100	4.4	98.89	100	1.1						
Endosulfan Sulfate	15	2	0	204.5	200	2.2	101.3	100	1.3	104.4	100	4.4						
Methoxychlor	15	2	0	213.8	200	6.9	106.3	100	6.3	117.3	100	17.3*						
Endrin Ketone	15	2	0	207.2	200	3.6	103.9	100	3.9	111.1	100	11.1						
DCB-Surrogate	15	2	0	192.8	200	3.6	96.72	100	3.3	97.13	100	2.9						
Average Difference	15	2	0			3.1			4.7			5.5						

Flags/Notes: **** - Values outside of limits for this column/run***

Form7

RtWindow Summary

Method: EPA 8081A

Data File:			5G41145.D		6G34440.D		5G41273.D		5G41288.D		6G34518.D	
Calibration Name:			CAL PEST@2PPB		CAL PEST@2PPB		CAL PEST@100PPB		CAL PEST@200PPB		CAL PEST@200PPB	
Calibration Date/Time			7/23/2012 5:17:23 PM		7/26/2012 8:31:00 AM		7/30/2012 12:31:25 PM		7/31/2012 5:12:17 AM		7/31/2012 9:09:00 AM	
Compound	Col	Mr	Cal RT	Limit	Cal RT	Limit	Cal RT	Limit	Cal RT	Limit	Cal RT	Limit
TCMX-Surrogate	1	0	6.24	(6.18 - 6.30)	5.15	(5.09 - 5.21)	6.24	(6.18 - 6.30)	6.24	(6.18 - 6.30)	5.14	(5.08 - 5.20)
alpha-BHC	1	0	7.46	(7.42 - 7.50)	6.32	(6.28 - 6.36)	7.45	(7.41 - 7.49)	7.45	(7.41 - 7.49)	6.32	(6.28 - 6.36)
gamma-BHC	1	0	7.97	(7.93 - 8.01)	6.84	(6.80 - 6.88)	7.97	(7.93 - 8.01)	7.97	(7.93 - 8.01)	6.84	(6.80 - 6.88)
beta-BHC	1	0	8.82	(8.74 - 8.90)	7.72	(7.64 - 7.80)	8.82	(8.74 - 8.90)	8.82	(8.74 - 8.90)	7.71	(7.63 - 7.79)
Heptachlor	1	0	8.29	(8.25 - 8.33)	7.15	(7.11 - 7.19)	8.28	(8.24 - 8.32)	8.29	(8.25 - 8.33)	7.14	(7.10 - 7.18)
delta-BHC	1	0	9.15	(9.07 - 9.23)	8.07	(7.99 - 8.15)	9.14	(9.06 - 9.22)	9.14	(9.06 - 9.22)	8.06	(7.98 - 8.14)
Aldrin	1	0	8.65	(8.57 - 8.73)	7.52	(7.44 - 7.60)	8.65	(8.57 - 8.73)	8.65	(8.57 - 8.73)	7.52	(7.44 - 7.60)
Heptachlor Epoxide	1	0	9.44	(9.40 - 9.48)	8.35	(8.31 - 8.39)	9.43	(9.39 - 9.47)	9.44	(9.40 - 9.48)	8.35	(8.31 - 8.39)
g-chlordane	1	0	9.82	(9.78 - 9.86)	8.75	(8.71 - 8.79)	9.81	(9.77 - 9.85)	9.81	(9.77 - 9.85)	8.74	(8.70 - 8.78)
a-chlordane	1	0	9.89	(9.85 - 9.93)	8.82	(8.78 - 8.86)	9.88	(9.84 - 9.92)	9.88	(9.84 - 9.92)	8.81	(8.77 - 8.85)
Endosulfan I	1	0	9.79	(9.75 - 9.83)	8.72	(8.68 - 8.76)	9.78	(9.74 - 9.82)	9.78	(9.74 - 9.82)	8.71	(8.67 - 8.75)
p,p'-DDE	1	0	9.98	(9.90 - 10.06)	8.90	(8.82 - 8.98)	9.97	(9.89 - 10.05)	9.97	(9.89 - 10.05)	8.89	(8.81 - 8.97)
Dieldrin	1	0	10.21	(10.13 - 10.29)	9.16	(9.08 - 9.24)	10.20	(10.12 - 10.28)	10.20	(10.12 - 10.28)	9.15	(9.07 - 9.23)
Endrin	1	0	10.45	(10.41 - 10.49)	9.42	(9.38 - 9.46)	10.45	(10.41 - 10.49)	10.45	(10.41 - 10.49)	9.42	(9.38 - 9.46)
p,p'-DDD	1	0	10.86	(10.78 - 10.94)	9.84	(9.76 - 9.92)	10.85	(10.77 - 10.93)	10.85	(10.77 - 10.93)	9.84	(9.76 - 9.92)
Endosulfan II	1	0	10.97	(10.89 - 11.05)	9.98	(9.90 - 10.06)	10.96	(10.88 - 11.04)	10.96	(10.88 - 11.04)	9.97	(9.89 - 10.05)
p,p'-DDT	1	0	11.07	(10.99 - 11.15)	10.06	(9.98 - 10.14)	11.06	(10.98 - 11.14)	11.06	(10.98 - 11.14)	10.06	(9.98 - 10.14)
Endrin Aldehyde	1	0	11.41	(11.33 - 11.49)	10.46	(10.38 - 10.54)	11.40	(11.32 - 11.48)	11.41	(11.33 - 11.49)	10.46	(10.38 - 10.54)
Endosulfan Sulfate	1	0	11.76	(11.72 - 11.80)	10.83	(10.79 - 10.87)	11.75	(11.71 - 11.79)	11.75	(11.71 - 11.79)	10.82	(10.78 - 10.86)
Methoxychlor	1	0	11.71	(11.67 - 11.75)	10.75	(10.71 - 10.79)	11.71	(11.67 - 11.75)	11.71	(11.67 - 11.75)	10.74	(10.70 - 10.78)
Endrin Ketone	1	0	12.24	(12.16 - 12.32)	11.37	(11.29 - 11.45)	12.23	(12.15 - 12.31)	12.24	(12.16 - 12.32)	11.37	(11.29 - 11.45)
DCB-Surrogate	1	0	13.21	(13.15 - 13.27)	12.46	(12.40 - 12.52)	13.20	(13.14 - 13.26)	13.20	(13.14 - 13.26)	12.45	(12.39 - 12.51)
Chlordane	1	1	8.09	(8.05 - 8.13)	6.95	(6.91 - 6.99)						
Chlordane	1	2	9.82	(9.78 - 9.86)	8.75	(8.71 - 8.79)						
Chlordane	1	3	9.89	(9.85 - 9.93)	8.82	(8.78 - 8.86)						
Toxaphene	1	1	9.87	(9.83 - 9.91)	8.82	(8.78 - 8.86)						
Toxaphene	1	2	10.13	(10.09 - 10.17)	9.08	(9.04 - 9.12)						
Toxaphene	1	3	10.69	(10.65 - 10.73)	9.89	(9.85 - 9.93)						
Toxaphene	1	4	11.31	(11.27 - 11.35)	10.33	(10.29 - 10.37)						
Toxaphene	1	5	11.75	(11.71 - 11.79)	10.81	(10.77 - 10.85)						
TCMX-Surrogate	2	0	6.05	(5.99 - 6.11)	4.94	(4.88 - 5.00)	6.04	(5.98 - 6.10)	6.05	(5.99 - 6.11)	4.93	(4.87 - 4.99)
alpha-BHC	2	0	7.05	(7.01 - 7.09)	5.84	(5.80 - 5.88)	7.04	(7.00 - 7.08)	7.05	(7.01 - 7.09)	5.84	(5.80 - 5.88)
gamma-BHC	2	0	7.58	(7.54 - 7.62)	6.37	(6.33 - 6.41)	7.58	(7.54 - 7.62)	7.58	(7.54 - 7.62)	6.36	(6.32 - 6.40)
beta-BHC	2	0	7.67	(7.59 - 7.75)	6.45	(6.37 - 6.53)	7.67	(7.59 - 7.75)	7.67	(7.59 - 7.75)	6.45	(6.37 - 6.53)
Heptachlor	2	0	8.01	(7.97 - 8.05)	6.81	(6.77 - 6.85)	8.01	(7.97 - 8.05)	8.01	(7.97 - 8.05)	6.80	(6.76 - 6.84)
delta-BHC	2	0	8.16	(8.08 - 8.24)	6.94	(6.86 - 7.02)	8.15	(8.07 - 8.23)	8.16	(8.08 - 8.24)	6.94	(6.86 - 7.02)
Aldrin	2	0	8.44	(8.36 - 8.52)	7.25	(7.17 - 7.33)	8.44	(8.36 - 8.52)	8.44	(8.36 - 8.52)	7.25	(7.17 - 7.33)
Heptachlor Epoxide	2	0	9.14	(9.10 - 9.18)	7.97	(7.93 - 8.01)	9.14	(9.10 - 9.18)	9.14	(9.10 - 9.18)	7.96	(7.92 - 8.00)
g-chlordane	2	0	9.34	(9.30 - 9.38)	8.17	(8.13 - 8.21)	9.34	(9.30 - 9.38)	9.34	(9.30 - 9.38)	8.17	(8.13 - 8.21)
a-chlordane	2	0	9.54	(9.50 - 9.58)	8.38	(8.34 - 8.42)	9.54	(9.50 - 9.58)	9.54	(9.50 - 9.58)	8.37	(8.33 - 8.41)
Endosulfan I	2	0	9.58	(9.54 - 9.62)	8.43	(8.39 - 8.47)	9.58	(9.54 - 9.62)	9.58	(9.54 - 9.62)	8.42	(8.38 - 8.46)
p,p'-DDE	2	0	9.83	(9.75 - 9.91)	8.67	(8.59 - 8.75)	9.82	(9.74 - 9.90)	9.83	(9.74 - 9.90)	8.66	(8.58 - 8.74)
Dieldrin	2	0	9.95	(9.87 - 10.03)	8.81	(8.73 - 8.89)	9.95	(9.87 - 10.03)	9.95	(9.87 - 10.03)	8.81	(8.73 - 8.89)
Endrin	2	0	10.40	(10.36 - 10.44)	9.28	(9.24 - 9.32)	10.39	(10.35 - 10.43)	10.39	(10.35 - 10.43)	9.28	(9.24 - 9.32)
p,p'-DDD	2	0	10.49	(10.41 - 10.57)	9.37	(9.29 - 9.45)	10.48	(10.40 - 10.56)	10.49	(10.41 - 10.57)	9.36	(9.28 - 9.44)
Endosulfan II	2	0	10.60	(10.52 - 10.68)	9.50	(9.42 - 9.58)	10.60	(10.52 - 10.68)	10.60	(10.52 - 10.68)	9.50	(9.42 - 9.58)
p,p'-DDT	2	0	10.84	(10.76 - 10.92)	9.74	(9.66 - 9.82)	10.84	(10.76 - 10.92)	10.84	(10.76 - 10.92)	9.74	(9.66 - 9.82)
Endrin Aldehyde	2	0	10.99	(10.91 - 11.07)	9.90	(9.82 - 9.98)	10.98	(10.90 - 11.06)	10.98	(10.90 - 11.06)	9.90	(9.82 - 9.98)
Endosulfan Sulfate	2	0	11.13	(11.09 - 11.17)	10.05	(10.01 - 10.09)	11.12	(11.08 - 11.16)	11.13	(11.09 - 11.17)	10.05	(10.01 - 10.09)
Methoxychlor	2	0	11.84	(11.80 - 11.88)	10.79	(10.75 - 10.83)	11.83	(11.79 - 11.87)	11.84	(11.80 - 11.88)	10.79	(10.75 - 10.83)
Endrin Ketone	2	0	12.04	(11.96 - 12.12)	11.03	(10.95 - 11.11)	12.04	(11.96 - 12.12)	12.04	(11.96 - 12.12)	11.02	(10.94 - 11.10)
DCB-Surrogate	2	0	13.41	(13.35 - 13.47)	12.62	(12.56 - 12.68)	13.41	(13.35 - 13.47)	13.41	(13.35 - 13.47)	12.61	(12.55 - 12.67)
Chlordane	2	1	7.81	(7.77 - 7.85)	6.60	(6.56 - 6.64)						
Chlordane	2	2	9.34	(9.30 - 9.38)	8.18	(8.14 - 8.22)						
Chlordane	2	3	9.54	(9.50 - 9.58)	8.38	(8.34 - 8.42)						
Toxaphene	2	1	9.70	(9.66 - 9.74)	8.55	(8.51 - 8.59)						
Toxaphene	2	2	9.79	(9.75 - 9.83)	8.64	(8.60 - 8.68)						
Toxaphene	2	3	10.88	(10.84 - 10.92)	9.79	(9.75 - 9.83)						
Toxaphene	2	4	11.58	(11.54 - 11.62)	10.54	(10.50 - 10.58)						
Toxaphene	2	5	11.65	(11.61 - 11.69)	10.61	(10.57 - 10.65)						

Form7

RtWindow Summary

Method: EPA 8081A

Data File:			6G34541.D											
Calibration Name:			CAL PEST@100PPB											
Calibration Date/Time			8/1/2012 7:39:00 AM											
Compound	Col	Mr	Cal RT	Limit	Cal RT	Limit	Cal RT	Limit	Cal RT	Limit	Cal RT	Limit
TCMX-Surrogate	1	0	5.14	(5.08 - 5.20)								
alpha-BHC	1	0	6.32	(6.28 - 6.36)								
gamma-BHC	1	0	6.84	(6.80 - 6.88)								
beta-BHC	1	0	7.72	(7.64 - 7.80)								
Heptachlor	1	0	7.14	(7.10 - 7.18)								
delta-BHC	1	0	8.06	(7.98 - 8.14)								
Aldrin	1	0	7.52	(7.44 - 7.60)								
Heptachlor Epoxide	1	0	8.35	(8.31 - 8.39)								
g-chlordane	1	0	8.74	(8.70 - 8.78)								
a-chlordane	1	0	8.81	(8.77 - 8.85)								
Endosulfan I	1	0	8.71	(8.67 - 8.75)								
p,p'-DDE	1	0	8.89	(8.81 - 8.97)								
Dieldrin	1	0	9.16	(9.08 - 9.24)								
Endrin	1	0	9.42	(9.38 - 9.46)								
p,p'-DDD	1	0	9.84	(9.76 - 9.92)								
Endosulfan II	1	0	9.97	(9.89 - 10.05)								
p,p'-DDT	1	0	10.06	(9.98 - 10.14)								
Endrin Aldehyde	1	0	10.46	(10.38 - 10.54)								
Endosulfan Sulfate	1	0	10.83	(10.79 - 10.87)								
Methoxychlor	1	0	10.74	(10.70 - 10.78)								
Endrin Ketone	1	0	11.37	(11.29 - 11.45)								
DCB-Surrogate	1	0	12.46	(12.40 - 12.52)								
Chlordane	1	1										
Chlordane	1	2										
Chlordane	1	3										
Toxaphene	1	1										
Toxaphene	1	2										
Toxaphene	1	3										
Toxaphene	1	4										
Toxaphene	1	5										
TCMX-Surrogate	2	0	4.93	(4.87 - 4.99)								
alpha-BHC	2	0	5.84	(5.80 - 5.88)								
gamma-BHC	2	0	6.37	(6.33 - 6.41)								
beta-BHC	2	0	6.45	(6.37 - 6.53)								
Heptachlor	2	0	6.80	(6.76 - 6.84)								
delta-BHC	2	0	6.94	(6.86 - 7.02)								
Aldrin	2	0	7.25	(7.17 - 7.33)								
Heptachlor Epoxide	2	0	7.96	(7.92 - 8.00)								
g-chlordane	2	0	8.17	(8.13 - 8.21)								
a-chlordane	2	0	8.37	(8.33 - 8.41)								
Endosulfan I	2	0	8.42	(8.38 - 8.46)								
p,p'-DDE	2	0	8.66	(8.58 - 8.74)								
Dieldrin	2	0	8.81	(8.73 - 8.89)								
Endrin	2	0	9.28	(9.24 - 9.32)								
p,p'-DDD	2	0	9.36	(9.28 - 9.44)								
Endosulfan II	2	0	9.50	(9.42 - 9.58)								
p,p'-DDT	2	0	9.74	(9.66 - 9.82)								
Endrin Aldehyde	2	0	9.90	(9.82 - 9.98)								
Endosulfan Sulfate	2	0	10.05	(10.01 - 10.09)								
Methoxychlor	2	0	10.79	(10.75 - 10.83)								
Endrin Ketone	2	0	11.02	(10.94 - 11.10)								
DCB-Surrogate	2	0	12.61	(12.55 - 12.67)								
Chlordane	2	1										
Chlordane	2	2										
Chlordane	2	3										
Toxaphene	2	1										
Toxaphene	2	2										
Toxaphene	2	3										
Toxaphene	2	4										
Toxaphene	2	5										

Metal Data

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC67152-001	% Solid:	93	Lab Name:	Veritech	Nras No:	
Client Id:	MW-1 A	Units:	MG/KG	Lab Code:		Sdg No:	
Matrix:	SOIL	Date Rec:	7/19/2012	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	220	15000	1	0.5	50	07/21/12	16584	S14163B3	25	P	PEICPRAD3A
7440-36-0	Antimony	2.2	2.4	1	0.5	50	07/20/12	16584	S14163A3	26	P	PEICP3A
7440-38-2	Arsenic	2.2	ND	1	0.5	50	07/20/12	16584	S14163A3	26	P	PEICP3A
7440-39-3	Barium	11	230	1	0.5	50	07/20/12	16584	S14163A3	26	P	PEICP3A
7440-41-7	Beryllium	0.65	ND	1	0.5	50	07/20/12	16584	S14163A3	26	P	PEICP3A
7440-43-9	Cadmium	0.65	ND	1	0.5	50	07/20/12	16584	S14163A3	26	P	PEICP3A
7440-70-2	Calcium	1100	2000	1	0.5	50	07/21/12	16584	S14163B3	25	P	PEICPRAD3A
7440-47-3	Chromium	5.4	42	1	0.5	50	07/20/12	16584	S14163A3	26	P	PEICP3A
7440-48-4	Cobalt	2.7	13	1	0.5	50	07/20/12	16584	S14163A3	26	P	PEICP3A
7440-50-8	Copper	5.4	36	1	0.5	50	07/20/12	16584	S14163A3	26	P	PEICP3A
7439-89-6	Iron	220	26000	1	0.5	50	07/21/12	16584	S14163B3	25	P	PEICPRAD3A
7439-92-1	Lead	5.4	38	1	0.5	50	07/20/12	16584	S14163A3	26	P	PEICP3A
7439-95-4	Magnesium	540	7500	1	0.5	50	07/21/12	16584	S14163B3	25	P	PEICPRAD3A
7439-96-5	Manganese	11	290	1	0.5	50	07/20/12	16584	S14163A3	26	P	PEICP3A
7439-97-6	Mercury	0.090	1.0	1	0.15	25	07/25/12	16584	H14163SC	12	CV	HGCV1A
7440-02-0	Nickel	5.4	28	1	0.5	50	07/20/12	16584	S14163A3	26	P	PEICP3A
7440-09-7	Potassium	540	9500	1	0.5	50	07/21/12	16584	S14163B3	25	P	PEICPRAD3A
7782-49-2	Selenium	1.9	ND	1	0.5	50	07/20/12	16584	S14163A3	26	P	PEICP3A
7440-22-4	Silver	1.6	ND	1	0.5	50	07/20/12	16584	S14163A3	26	P	PEICP3A
7440-23-5	Sodium	270	310	1	0.5	50	07/21/12	16584	S14163B3	25	P	PEICPRAD3A
7440-28-0	Thallium	1.3	ND	1	0.5	50	07/20/12	16584	S14163A3	26	P	PEICP3A
7440-62-2	Vanadium	11	48	1	0.5	50	07/20/12	16584	S14163A3	26	P	PEICP3A
7440-66-6	Zinc	11	99	1	0.5	50	07/20/12	16584	S14163A3	26	P	PEICP3A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC67152-002	% Solid:	92	Lab Name:	Veritech	Nras No:	
Client Id:	MW-2 A	Units:	MG/KG	Lab Code:		Sdg No:	
Matrix:	SOIL	Date Rec:	7/19/2012	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	220	13000	1	0.5	50	07/21/12	16584	S14163B3	26	P	PEICPRAD3A
7440-36-0	Antimony	2.2	ND	1	0.5	50	07/20/12	16584	S14163A3	27	P	PEICP3A
7440-38-2	Arsenic	2.2	ND	1	0.5	50	07/20/12	16584	S14163A3	27	P	PEICP3A
7440-39-3	Barium	11	180	1	0.5	50	07/20/12	16584	S14163A3	27	P	PEICP3A
7440-41-7	Beryllium	0.65	ND	1	0.5	50	07/20/12	16584	S14163A3	27	P	PEICP3A
7440-43-9	Cadmium	0.65	ND	1	0.5	50	07/20/12	16584	S14163A3	27	P	PEICP3A
7440-70-2	Calcium	1100	3300	1	0.5	50	07/21/12	16584	S14163B3	26	P	PEICPRAD3A
7440-47-3	Chromium	5.4	35	1	0.5	50	07/20/12	16584	S14163A3	27	P	PEICP3A
7440-48-4	Cobalt	2.7	11	1	0.5	50	07/20/12	16584	S14163A3	27	P	PEICP3A
7440-50-8	Copper	5.4	73	1	0.5	50	07/20/12	16584	S14163A3	27	P	PEICP3A
7439-89-6	Iron	220	23000	1	0.5	50	07/21/12	16584	S14163B3	26	P	PEICPRAD3A
7439-92-1	Lead	5.4	64	1	0.5	50	07/20/12	16584	S14163A3	27	P	PEICP3A
7439-95-4	Magnesium	540	6500	1	0.5	50	07/21/12	16584	S14163B3	26	P	PEICPRAD3A
7439-96-5	Manganese	11	290	1	0.5	50	07/20/12	16584	S14163A3	27	P	PEICP3A
7439-97-6	Mercury	0.091	ND	1	0.15	25	07/25/12	16584	H14163SC	13	CV	HGCV1A
7440-02-0	Nickel	5.4	25	1	0.5	50	07/20/12	16584	S14163A3	27	P	PEICP3A
7440-09-7	Potassium	540	6900	1	0.5	50	07/21/12	16584	S14163B3	26	P	PEICPRAD3A
7782-49-2	Selenium	2.0	ND	1	0.5	50	07/20/12	16584	S14163A3	27	P	PEICP3A
7440-22-4	Silver	1.6	ND	1	0.5	50	07/20/12	16584	S14163A3	27	P	PEICP3A
7440-23-5	Sodium	270	ND	1	0.5	50	07/21/12	16584	S14163B3	26	P	PEICPRAD3A
7440-28-0	Thallium	1.3	ND	1	0.5	50	07/20/12	16584	S14163A3	27	P	PEICP3A
7440-62-2	Vanadium	11	40	1	0.5	50	07/20/12	16584	S14163A3	27	P	PEICP3A
7440-66-6	Zinc	11	110	1	0.5	50	07/20/12	16584	S14163A3	27	P	PEICP3A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC67152-003	% Solid:	90	Lab Name:	Veritech	Nras No:	
Client Id:	MW-3 A	Units:	MG/KG	Lab Code:		Sdg No:	
Matrix:	SOIL	Date Rec:	7/19/2012	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	220	15000	1	0.5	50	07/21/12	16584	S14163B3	13	P	PEICPRAD3A
7440-36-0	Antimony	2.2	ND	1	0.5	50	07/20/12	16584	S14163A3	14	P	PEICP3A
7440-38-2	Arsenic	2.2	ND	1	0.5	50	07/20/12	16584	S14163A3	14	P	PEICP3A
7440-39-3	Barium	11	110	1	0.5	50	07/20/12	16584	S14163A3	14	P	PEICP3A
7440-41-7	Beryllium	0.67	ND	1	0.5	50	07/20/12	16584	S14163A3	14	P	PEICP3A
7440-43-9	Cadmium	0.67	ND	1	0.5	50	07/20/12	16584	S14163A3	14	P	PEICP3A
7440-70-2	Calcium	1100	2500	1	0.5	50	07/21/12	16584	S14163B3	13	P	PEICPRAD3A
7440-47-3	Chromium	5.6	43	1	0.5	50	07/20/12	16584	S14163A3	14	P	PEICP3A
7440-48-4	Cobalt	2.8	10	1	0.5	50	07/20/12	16584	S14163A3	14	P	PEICP3A
7440-50-8	Copper	5.6	30	1	0.5	50	07/20/12	16584	S14163A3	14	P	PEICP3A
7439-89-6	Iron	220	23000	1	0.5	50	07/21/12	16584	S14163B3	13	P	PEICPRAD3A
7439-92-1	Lead	5.6	42	1	0.5	50	07/20/12	16584	S14163A3	14	P	PEICP3A
7439-95-4	Magnesium	560	4700	1	0.5	50	07/21/12	16584	S14163B3	13	P	PEICPRAD3A
7439-96-5	Manganese	11	390	1	0.5	50	07/20/12	16584	S14163A3	14	P	PEICP3A
7439-97-6	Mercury	0.093	ND	1	0.15	25	07/24/12	16584	H14163S	14	CV	HGCV1A
7440-02-0	Nickel	5.6	23	1	0.5	50	07/20/12	16584	S14163A3	14	P	PEICP3A
7440-09-7	Potassium	560	3100	1	0.5	50	07/21/12	16584	S14163B3	13	P	PEICPRAD3A
7782-49-2	Selenium	2.0	ND	1	0.5	50	07/20/12	16584	S14163A3	14	P	PEICP3A
7440-22-4	Silver	1.7	ND	1	0.5	50	07/20/12	16584	S14163A3	14	P	PEICP3A
7440-23-5	Sodium	280	ND	1	0.5	50	07/21/12	16584	S14163B3	13	P	PEICPRAD3A
7440-28-0	Thallium	1.3	ND	1	0.5	50	07/20/12	16584	S14163A3	14	P	PEICP3A
7440-62-2	Vanadium	11	37	1	0.5	50	07/20/12	16584	S14163A3	14	P	PEICP3A
7440-66-6	Zinc	11	60	1	0.5	50	07/20/12	16584	S14163A3	14	P	PEICP3A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC67152-004	% Solid:	89	Lab Name:	Veritech	Nras No:	
Client Id:	MW-4 A	Units:	MG/KG	Lab Code:		Sdg No:	
Matrix:	SOIL	Date Rec:	7/19/2012	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	220	19000	1	0.5	50	07/21/12	16584	S14163B3	31	P	PEICPRAD3A
7440-36-0	Antimony	2.2	ND	1	0.5	50	07/20/12	16584	S14163A3	32	P	PEICP3A
7440-38-2	Arsenic	2.2	ND	1	0.5	50	07/20/12	16584	S14163A3	32	P	PEICP3A
7440-39-3	Barium	11	320	1	0.5	50	07/20/12	16584	S14163A3	32	P	PEICP3A
7440-41-7	Beryllium	0.67	ND	1	0.5	50	07/20/12	16584	S14163A3	32	P	PEICP3A
7440-43-9	Cadmium	0.67	ND	1	0.5	50	07/20/12	16584	S14163A3	32	P	PEICP3A
7440-70-2	Calcium	1100	2100	1	0.5	50	07/21/12	16584	S14163B3	31	P	PEICPRAD3A
7440-47-3	Chromium	5.6	46	1	0.5	50	07/20/12	16584	S14163A3	32	P	PEICP3A
7440-48-4	Cobalt	2.8	17	1	0.5	50	07/20/12	16584	S14163A3	32	P	PEICP3A
7440-50-8	Copper	5.6	27	1	0.5	50	07/20/12	16584	S14163A3	32	P	PEICP3A
7439-89-6	Iron	220	33000	1	0.5	50	07/21/12	16584	S14163B3	31	P	PEICPRAD3A
7439-92-1	Lead	5.6	6.3	1	0.5	50	07/20/12	16584	S14163A3	32	P	PEICP3A
7439-95-4	Magnesium	560	9300	1	0.5	50	07/21/12	16584	S14163B3	31	P	PEICPRAD3A
7439-96-5	Manganese	11	430	1	0.5	50	07/20/12	16584	S14163A3	32	P	PEICP3A
7439-97-6	Mercury	0.094	ND	1	0.15	25	07/25/12	16584	H14163SC	14	CV	HGCV1A
7440-02-0	Nickel	5.6	33	1	0.5	50	07/20/12	16584	S14163A3	32	P	PEICP3A
7440-09-7	Potassium	560	12000	1	0.5	50	07/21/12	16584	S14163B3	31	P	PEICPRAD3A
7782-49-2	Selenium	2.0	ND	1	0.5	50	07/20/12	16584	S14163A3	32	P	PEICP3A
7440-22-4	Silver	1.7	ND	1	0.5	50	07/20/12	16584	S14163A3	32	P	PEICP3A
7440-23-5	Sodium	280	ND	1	0.5	50	07/21/12	16584	S14163B3	31	P	PEICPRAD3A
7440-28-0	Thallium	1.3	ND	1	0.5	50	07/20/12	16584	S14163A3	32	P	PEICP3A
7440-62-2	Vanadium	11	57	1	0.5	50	07/20/12	16584	S14163A3	32	P	PEICP3A
7440-66-6	Zinc	11	80	1	0.5	50	07/20/12	16584	S14163A3	32	P	PEICP3A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC67152-005	% Solid:	79	Lab Name:	Veritech	Nras No:	
Client Id:	MW-1 B	Units:	MG/KG	Lab Code:		Sdg No:	
Matrix:	SOIL	Date Rec:	7/19/2012	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	250	14000	1	0.5	50	07/21/12	16584	S14163B3	32	P	PEICPRAD3A
7440-36-0	Antimony	2.5	ND	1	0.5	50	07/20/12	16584	S14163A3	33	P	PEICP3A
7440-38-2	Arsenic	2.5	5.8	1	0.5	50	07/20/12	16584	S14163A3	33	P	PEICP3A
7440-39-3	Barium	13	350	1	0.5	50	07/20/12	16584	S14163A3	33	P	PEICP3A
7440-41-7	Beryllium	0.76	ND	1	0.5	50	07/20/12	16584	S14163A3	33	P	PEICP3A
7440-43-9	Cadmium	0.76	0.82	1	0.5	50	07/20/12	16584	S14163A3	33	P	PEICP3A
7440-70-2	Calcium	1300	3500	1	0.5	50	07/21/12	16584	S14163B3	32	P	PEICPRAD3A
7440-47-3	Chromium	6.3	48	1	0.5	50	07/20/12	16584	S14163A3	33	P	PEICP3A
7440-48-4	Cobalt	3.2	11	1	0.5	50	07/20/12	16584	S14163A3	33	P	PEICP3A
7440-50-8	Copper	6.3	80	1	0.5	50	07/20/12	16584	S14163A3	33	P	PEICP3A
7439-89-6	Iron	250	30000	1	0.5	50	07/21/12	16584	S14163B3	32	P	PEICPRAD3A
7439-92-1	Lead	6.3	360	1	0.5	50	07/20/12	16584	S14163A3	33	P	PEICP3A
7439-95-4	Magnesium	630	5600	1	0.5	50	07/21/12	16584	S14163B3	32	P	PEICPRAD3A
7439-96-5	Manganese	13	270	1	0.5	50	07/20/12	16584	S14163A3	33	P	PEICP3A
7439-97-6	Mercury	0.11	1.7	1	0.15	25	07/25/12	16584	H14163SC	15	CV	HGCV1A
7440-02-0	Nickel	6.3	26	1	0.5	50	07/20/12	16584	S14163A3	33	P	PEICP3A
7440-09-7	Potassium	630	4900	1	0.5	50	07/21/12	16584	S14163B3	32	P	PEICPRAD3A
7782-49-2	Selenium	2.3	ND	1	0.5	50	07/20/12	16584	S14163A3	33	P	PEICP3A
7440-22-4	Silver	1.9	ND	1	0.5	50	07/20/12	16584	S14163A3	33	P	PEICP3A
7440-23-5	Sodium	320	340	1	0.5	50	07/21/12	16584	S14163B3	32	P	PEICPRAD3A
7440-28-0	Thallium	1.5	ND	1	0.5	50	07/20/12	16584	S14163A3	33	P	PEICP3A
7440-62-2	Vanadium	13	50	1	0.5	50	07/20/12	16584	S14163A3	33	P	PEICP3A
7440-66-6	Zinc	13	320	1	0.5	50	07/20/12	16584	S14163A3	33	P	PEICP3A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC67152-006	% Solid:	96	Lab Name:	Veritech	Nras No:	
Client Id:	MW-2 B	Units:	MG/KG	Lab Code:		Sdg No:	
Matrix:	SOIL	Date Rec:	7/19/2012	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	210	16000	1	0.5	50	07/21/12	16584	S14163B3	33	P	PEICPRAD3A
7440-36-0	Antimony	2.1	2.6	1	0.5	50	07/20/12	16584	S14163A3	34	P	PEICP3A
7440-38-2	Arsenic	2.1	ND	1	0.5	50	07/20/12	16584	S14163A3	34	P	PEICP3A
7440-39-3	Barium	10	310	1	0.5	50	07/20/12	16584	S14163A3	34	P	PEICP3A
7440-41-7	Beryllium	0.62	ND	1	0.5	50	07/20/12	16584	S14163A3	34	P	PEICP3A
7440-43-9	Cadmium	0.62	ND	1	0.5	50	07/20/12	16584	S14163A3	34	P	PEICP3A
7440-70-2	Calcium	1000	1700	1	0.5	50	07/21/12	16584	S14163B3	33	P	PEICPRAD3A
7440-47-3	Chromium	5.2	43	1	0.5	50	07/20/12	16584	S14163A3	34	P	PEICP3A
7440-48-4	Cobalt	2.6	12	1	0.5	50	07/20/12	16584	S14163A3	34	P	PEICP3A
7440-50-8	Copper	5.2	69	1	0.5	50	07/20/12	16584	S14163A3	34	P	PEICP3A
7439-89-6	Iron	210	31000	1	0.5	50	07/21/12	16584	S14163B3	33	P	PEICPRAD3A
7439-92-1	Lead	5.2	17	1	0.5	50	07/20/12	16584	S14163A3	34	P	PEICP3A
7439-95-4	Magnesium	520	7700	1	0.5	50	07/21/12	16584	S14163B3	33	P	PEICPRAD3A
7439-96-5	Manganese	10	350	1	0.5	50	07/20/12	16584	S14163A3	34	P	PEICP3A
7439-97-6	Mercury	0.087	ND	1	0.15	25	07/25/12	16584	H14163SC	16	CV	HGCV1A
7440-02-0	Nickel	5.2	27	1	0.5	50	07/20/12	16584	S14163A3	34	P	PEICP3A
7440-09-7	Potassium	520	11000	1	0.5	50	07/21/12	16584	S14163B3	33	P	PEICPRAD3A
7782-49-2	Selenium	1.9	ND	1	0.5	50	07/20/12	16584	S14163A3	34	P	PEICP3A
7440-22-4	Silver	1.6	ND	1	0.5	50	07/20/12	16584	S14163A3	34	P	PEICP3A
7440-23-5	Sodium	260	ND	1	0.5	50	07/21/12	16584	S14163B3	33	P	PEICPRAD3A
7440-28-0	Thallium	1.2	ND	1	0.5	50	07/20/12	16584	S14163A3	34	P	PEICP3A
7440-62-2	Vanadium	10	49	1	0.5	50	07/20/12	16584	S14163A3	34	P	PEICP3A
7440-66-6	Zinc	10	91	1	0.5	50	07/20/12	16584	S14163A3	34	P	PEICP3A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC67152-007	% Solid:	92	Lab Name:	Veritech	Nras No:	
Client Id:	MW-3 B	Units:	MG/KG	Lab Code:		Sdg No:	
Matrix:	SOIL	Date Rec:	7/19/2012	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	220	13000	1	0.5	50	07/21/12	16584	S14163B3	34	P	PEICPRAD3A
7440-36-0	Antimony	2.2	ND	1	0.5	50	07/20/12	16584	S14163A3	35	P	PEICP3A
7440-38-2	Arsenic	2.2	ND	1	0.5	50	07/20/12	16584	S14163A3	35	P	PEICP3A
7440-39-3	Barium	11	130	1	0.5	50	07/20/12	16584	S14163A3	35	P	PEICP3A
7440-41-7	Beryllium	0.65	ND	1	0.5	50	07/20/12	16584	S14163A3	35	P	PEICP3A
7440-43-9	Cadmium	0.65	ND	1	0.5	50	07/20/12	16584	S14163A3	35	P	PEICP3A
7440-70-2	Calcium	1100	2000	1	0.5	50	07/21/12	16584	S14163B3	34	P	PEICPRAD3A
7440-47-3	Chromium	5.4	48	1	0.5	50	07/20/12	16584	S14163A3	35	P	PEICP3A
7440-48-4	Cobalt	2.7	11	1	0.5	50	07/20/12	16584	S14163A3	35	P	PEICP3A
7440-50-8	Copper	5.4	30	1	0.5	50	07/20/12	16584	S14163A3	35	P	PEICP3A
7439-89-6	Iron	220	22000	1	0.5	50	07/21/12	16584	S14163B3	34	P	PEICPRAD3A
7439-92-1	Lead	5.4	16	1	0.5	50	07/20/12	16584	S14163A3	35	P	PEICP3A
7439-95-4	Magnesium	540	4600	1	0.5	50	07/21/12	16584	S14163B3	34	P	PEICPRAD3A
7439-96-5	Manganese	11	520	1	0.5	50	07/20/12	16584	S14163A3	35	P	PEICP3A
7439-97-6	Mercury	0.091	ND	1	0.15	25	07/25/12	16584	H14163SC	17	CV	HGCV1A
7440-02-0	Nickel	5.4	26	1	0.5	50	07/20/12	16584	S14163A3	35	P	PEICP3A
7440-09-7	Potassium	540	3900	1	0.5	50	07/21/12	16584	S14163B3	34	P	PEICPRAD3A
7782-49-2	Selenium	2.0	ND	1	0.5	50	07/20/12	16584	S14163A3	35	P	PEICP3A
7440-22-4	Silver	1.6	ND	1	0.5	50	07/20/12	16584	S14163A3	35	P	PEICP3A
7440-23-5	Sodium	270	ND	1	0.5	50	07/21/12	16584	S14163B3	34	P	PEICPRAD3A
7440-28-0	Thallium	1.3	ND	1	0.5	50	07/20/12	16584	S14163A3	35	P	PEICP3A
7440-62-2	Vanadium	11	36	1	0.5	50	07/20/12	16584	S14163A3	35	P	PEICP3A
7440-66-6	Zinc	11	67	1	0.5	50	07/20/12	16584	S14163A3	35	P	PEICP3A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC67152-008	% Solid:	91	Lab Name:	Veritech	Nras No:	
Client Id:	MW-4 B	Units:	MG/KG	Lab Code:		Sdg No:	
Matrix:	SOIL	Date Rec:	7/19/2012	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	220	19000	1	0.5	50	07/21/12	16584	S14163B3	35	P	PEICPRAD3A
7440-36-0	Antimony	2.2	ND	1	0.5	50	07/21/12	16584	S14163A3	36	P	PEICP3A
7440-38-2	Arsenic	2.2	ND	1	0.5	50	07/21/12	16584	S14163A3	36	P	PEICP3A
7440-39-3	Barium	11	240	1	0.5	50	07/21/12	16584	S14163A3	36	P	PEICP3A
7440-41-7	Beryllium	0.66	ND	1	0.5	50	07/21/12	16584	S14163A3	36	P	PEICP3A
7440-43-9	Cadmium	0.66	ND	1	0.5	50	07/21/12	16584	S14163A3	36	P	PEICP3A
7440-70-2	Calcium	1100	1800	1	0.5	50	07/21/12	16584	S14163B3	35	P	PEICPRAD3A
7440-47-3	Chromium	5.5	49	1	0.5	50	07/21/12	16584	S14163A3	36	P	PEICP3A
7440-48-4	Cobalt	2.7	16	1	0.5	50	07/21/12	16584	S14163A3	36	P	PEICP3A
7440-50-8	Copper	5.5	28	1	0.5	50	07/21/12	16584	S14163A3	36	P	PEICP3A
7439-89-6	Iron	220	35000	1	0.5	50	07/21/12	16584	S14163B3	35	P	PEICPRAD3A
7439-92-1	Lead	5.5	8.2	1	0.5	50	07/21/12	16584	S14163A3	36	P	PEICP3A
7439-95-4	Magnesium	550	9100	1	0.5	50	07/21/12	16584	S14163B3	35	P	PEICPRAD3A
7439-96-5	Manganese	11	490	1	0.5	50	07/21/12	16584	S14163A3	36	P	PEICP3A
7439-97-6	Mercury	0.092	ND	1	0.15	25	07/25/12	16584	H14163SC	18	CV	HGCV1A
7440-02-0	Nickel	5.5	34	1	0.5	50	07/21/12	16584	S14163A3	36	P	PEICP3A
7440-09-7	Potassium	550	9600	1	0.5	50	07/21/12	16584	S14163B3	35	P	PEICPRAD3A
7782-49-2	Selenium	2.0	ND	1	0.5	50	07/21/12	16584	S14163A3	36	P	PEICP3A
7440-22-4	Silver	1.6	ND	1	0.5	50	07/21/12	16584	S14163A3	36	P	PEICP3A
7440-23-5	Sodium	270	280	1	0.5	50	07/21/12	16584	S14163B3	35	P	PEICPRAD3A
7440-28-0	Thallium	1.3	ND	1	0.5	50	07/21/12	16584	S14163A3	36	P	PEICP3A
7440-62-2	Vanadium	11	53	1	0.5	50	07/21/12	16584	S14163A3	36	P	PEICP3A
7440-66-6	Zinc	11	85	1	0.5	50	07/21/12	16584	S14163A3	36	P	PEICP3A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC67152-009	% Solid:	91	Lab Name:	Veritech	Nras No:	
Client Id:	MW-4A (DUP)	Units:	MG/KG	Lab Code:		Sdg No:	
Matrix:	SOIL	Date Rec:	7/19/2012	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	220	18000	1	0.5	50	07/21/12	16584	S14163B3	36	P	PEICPRAD3A
7440-36-0	Antimony	2.2	ND	1	0.5	50	07/21/12	16584	S14163A3	37	P	PEICP3A
7440-38-2	Arsenic	2.2	ND	1	0.5	50	07/21/12	16584	S14163A3	37	P	PEICP3A
7440-39-3	Barium	11	280	1	0.5	50	07/21/12	16584	S14163A3	37	P	PEICP3A
7440-41-7	Beryllium	0.66	ND	1	0.5	50	07/21/12	16584	S14163A3	37	P	PEICP3A
7440-43-9	Cadmium	0.66	ND	1	0.5	50	07/21/12	16584	S14163A3	37	P	PEICP3A
7440-70-2	Calcium	1100	2000	1	0.5	50	07/21/12	16584	S14163B3	36	P	PEICPRAD3A
7440-47-3	Chromium	5.5	48	1	0.5	50	07/21/12	16584	S14163A3	37	P	PEICP3A
7440-48-4	Cobalt	2.7	15	1	0.5	50	07/21/12	16584	S14163A3	37	P	PEICP3A
7440-50-8	Copper	5.5	29	1	0.5	50	07/21/12	16584	S14163A3	37	P	PEICP3A
7439-89-6	Iron	220	32000	1	0.5	50	07/21/12	16584	S14163B3	36	P	PEICPRAD3A
7439-92-1	Lead	5.5	7.6	1	0.5	50	07/21/12	16584	S14163A3	37	P	PEICP3A
7439-95-4	Magnesium	550	8700	1	0.5	50	07/21/12	16584	S14163B3	36	P	PEICPRAD3A
7439-96-5	Manganese	11	460	1	0.5	50	07/21/12	16584	S14163A3	37	P	PEICP3A
7439-97-6	Mercury	0.092	ND	1	0.15	25	07/25/12	16584	H14163SC	19	CV	HGCV1A
7440-02-0	Nickel	5.5	32	1	0.5	50	07/21/12	16584	S14163A3	37	P	PEICP3A
7440-09-7	Potassium	550	11000	1	0.5	50	07/21/12	16584	S14163B3	36	P	PEICPRAD3A
7782-49-2	Selenium	2.0	ND	1	0.5	50	07/21/12	16584	S14163A3	37	P	PEICP3A
7440-22-4	Silver	1.6	ND	1	0.5	50	07/21/12	16584	S14163A3	37	P	PEICP3A
7440-23-5	Sodium	270	ND	1	0.5	50	07/21/12	16584	S14163B3	36	P	PEICPRAD3A
7440-28-0	Thallium	1.3	ND	1	0.5	50	07/21/12	16584	S14163A3	37	P	PEICP3A
7440-62-2	Vanadium	11	54	1	0.5	50	07/21/12	16584	S14163A3	37	P	PEICP3A
7440-66-6	Zinc	11	75	1	0.5	50	07/21/12	16584	S14163A3	37	P	PEICP3A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID: MB 16584 (100) % Solid: 0 Lab Name: Veritech
Client Id: MB 16584 (100) Units: MG/KG Lab Code:
Matrix: SOIL
Level: LOW

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	200	ND	1	0.5	50	07/21/12	16584	S14163B3	10	P	PEICPRAD3A
7440-36-0	Antimony	2.0	ND	1	0.5	50	07/20/12	16584	S14163A3	11	P	PEICP3A
7440-38-2	Arsenic	2.0	ND	1	0.5	50	07/20/12	16584	S14163A3	11	P	PEICP3A
7440-39-3	Barium	10	ND	1	0.5	50	07/20/12	16584	S14163A3	11	P	PEICP3A
7440-41-7	Beryllium	0.60	ND	1	0.5	50	07/20/12	16584	S14163A3	11	P	PEICP3A
7440-43-9	Cadmium	0.60	ND	1	0.5	50	07/20/12	16584	S14163A3	11	P	PEICP3A
7440-70-2	Calcium	1000	ND	1	0.5	50	07/21/12	16584	S14163B3	10	P	PEICPRAD3A
7440-47-3	Chromium	5.0	ND	1	0.5	50	07/20/12	16584	S14163A3	11	P	PEICP3A
7440-48-4	Cobalt	2.5	ND	1	0.5	50	07/20/12	16584	S14163A3	11	P	PEICP3A
7440-50-8	Copper	5.0	ND	1	0.5	50	07/20/12	16584	S14163A3	11	P	PEICP3A
7439-89-6	Iron	200	ND	1	0.5	50	07/21/12	16584	S14163B3	10	P	PEICPRAD3A
7439-92-1	Lead	5.0	ND	1	0.5	50	07/20/12	16584	S14163A3	11	P	PEICP3A
7439-95-4	Magnesium	500	ND	1	0.5	50	07/21/12	16584	S14163B3	10	P	PEICPRAD3A
7439-96-5	Manganese	10	ND	1	0.5	50	07/20/12	16584	S14163A3	11	P	PEICP3A
7439-98-7	Molybdenum	2.5	ND	1	0.5	50	07/20/12	16584	S14163A3	11	P	PEICP3A
7440-02-0	Nickel	5.0	ND	1	0.5	50	07/20/12	16584	S14163A3	11	P	PEICP3A
7440-09-7	Potassium	500	ND	1	0.5	50	07/21/12	16584	S14163B3	10	P	PEICPRAD3A
7782-49-2	Selenium	1.8	ND	1	0.5	50	07/20/12	16584	S14163A3	11	P	PEICP3A
7440-22-4	Silver	1.5	ND	1	0.5	50	07/20/12	16584	S14163A3	11	P	PEICP3A
7440-23-5	Sodium	250	ND	1	0.5	50	07/21/12	16584	S14163B3	10	P	PEICPRAD3A
7440-28-0	Thallium	1.2	ND	1	0.5	50	07/20/12	16584	S14163A3	11	P	PEICP3A
7440-31-5	Tin	5.7	ND	1	0.5	50	07/20/12	16584	S14163A3	11	P	PEICP3A
7440-32-6	Titanium	35	ND	1	0.5	50	07/20/12	16584	S14163A3	11	P	PEICP3A
7440-62-2	Vanadium	10	ND	1	0.5	50	07/20/12	16584	S14163A3	11	P	PEICP3A
7440-66-6	Zinc	10	ND	1	0.5	50	07/20/12	16584	S14163A3	11	P	PEICP3A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID: MB 16584 (167) % Solid: 0 Lab Name: Veritech
Client Id: MB 16584 (167) Units: MG/KG Lab Code:
Matrix: SOIL
Level: LOW

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7439-97-6	Mercury	0.083	ND	1	0.15	25	07/24/12	16584	H14163S	11	CV	HGCV1A

Comments:

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

FORM 2
(ICV/CCV Summary)

Date Analyzed: 07/20/12
Data File: S14163A3
Prep Batch: 16584
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2071832

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

Analyte	ICV/CCV Amt	ICV (2) V-144247-7	Rec	CCV V-144703-19	Rec	CCV V-144703-30	Rec	CCV V-144703-38	Rec	CCV V-144703-46	Rec		Rec		Rec		Rec
Antimony	1/.5	0.99939	100	0.49635	99	0.49094	98	0.49601	99	0.48745	97						
Arsenic	1/.5	1.01216	101	0.50004	100	0.48774	98	0.48433	97	0.47605	95						
Barium	1/.5	1.02321	102	0.51242	102	0.51687	103	0.50986	102	0.50482	101						
Beryllium	1/.5	1.00608	101	0.49187	98	0.49553	99	0.48815	98	0.48678	97						
Cadmium	1/.5	1.01291	101	0.50541	101	0.50932	102	0.49944	100	0.49276	99						
Chromium	1/.5	1.01698	102	0.50570	101	0.51002	102	0.50356	101	0.49546	99						
Cobalt	1/.5	1.02813	103	0.51808	104	0.51958	104	0.51040	102	0.50207	100						
Copper	1/.5	1.01623	102	0.51027	102	0.51536	103	0.50714	101	0.50315	101						
Lead	1/.5	1.02062	102	0.51128	102	0.50791	102	0.50370	101	0.49820	100						
Manganese	1/.5	1.01276	101	0.50678	101	0.50722	101	0.50409	101	0.50412	101						
Nickel	1/.5	1.01474	101	0.50960	102	0.51613	103	0.50641	101	0.50086	100						
Selenium	1/.5	1.03190	103	0.50648	101	0.49939	100	0.49182	98	0.48760	98						
Silver	0.2/0.1	0.20186	101	0.10122	101	0.10255	103	0.09992	100	0.09933	99						
Thallium	1/.5	1.06472	106	0.52749	105	0.52932	106	0.52129	104	0.51238	102						
Vanadium	1/.5	0.99840	100	0.50064	100	0.50409	101	0.49775	100	0.49220	98						
Zinc	1/.5	1.01320	101	0.50772	102	0.50355	101	0.49905	100	0.49311	99						

Notes:
a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits:
ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-11

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 2
(ICV/CCV Summary)

Date Analyzed: 07/21/12
Data File: S14163B3
Prep Batch: 16584
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICPRAD3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2071832

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

Analyte	ICV/CCV Amt	ICV (2) V-144247-6	Rec	CCV V-144703-18	Rec	CCV V-144703-29	Rec	CCV V-144703-37	Rec	CCV V-144703-45	Rec		Rec		Rec		Rec
Aluminum	10/5	10.05810	101	5.00076	100	5.00534	100	5.03056	101	5.03218	101						
Calcium	100/50	95.08650	95	47.47160	95	47.25070	95	47.85700	96	48.69370	97						
Iron	10/5	10.01160	100	5.04801	101	5.00926	100	5.05397	101	5.06403	101						
Magnesium	100/50	100.39900	100	50.47530	101	50.09180	100	50.53530	101	50.51600	101						
Potassium	100/50	99.57800	100	49.95130	100	49.57550	99	50.53380	101	50.96280	102						
Sodium	100/50	100.08600	100	50.36830	101	49.94660	100	50.51450	101	51.23740	102						

Notes:
a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits:
ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-11

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 2
(ICV/CCV Summary)

Date Analyzed: 07/24/12
Data File: H14163S
Prep Batch: 16584
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: HGCV1A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2071832

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

Analyte	ICV/CCV Amt	ICV (2)-9	Rec	CCV-21	Rec	CCV-33	Rec		Rec		Rec		Rec		Rec		Rec
Mercury	20/10	19.99106	100	10.27509	103	5.00544	50 **cd**										

Notes:
a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits:
ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-11

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 2
(ICV/CCV Summary)

Date Analyzed: 07/25/12
Data File: H14163SC
Prep Batch: 16584
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: HGCV1A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2071832

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

Analyte	ICV/CCV Amt	ICV (2)-9	Rec	CCV-21	Rec	CCV-30	Rec		Rec		Rec		Rec		Rec		Rec
Mercury	20/10	21.85617	109	10.92798	109	10.81954	108										

Notes:
a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits:
ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-11

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 07/20/12
Data File: S14163A3
Prep Batch: 16584
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2071832

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-143551-8	CCB V-143551-20	CCB V-143551-31	CCB V-143551-39	CCB V-143551-47	MB 16584 (100)-11		
Antimony	.02 U	.02 U	.02 U	.02 U	.02 U	2 U		
Arsenic	.02 U	.02 U	.02 U	.02 U	.02 U	2 U		
Barium	.1 U	.1 U	.1 U	.1 U	.1 U	10 U		
Beryllium	.006 U	.006 U	.006 U	.006 U	.006 U	.6 U		
Cadmium	.006 U	.006 U	.006 U	.006 U	.006 U	.6 U		
Chromium	.05 U	.05 U	.05 U	.05 U	.05 U	5 U		
Cobalt	.025 U	.025 U	.025 U	.025 U	.025 U	2.5 U		
Copper	.05 U	.05 U	.05 U	.05 U	.05 U	5 U		
Lead	.05 U	.05 U	.05 U	.05 U	.05 U	5 U		
Manganese	.1 U	.1 U	.1 U	.1 U	.1 U	10 U		
Nickel	.05 U	.05 U	.05 U	.05 U	.05 U	5 U		
Selenium	.018 U	.018 U	.018 U	.018 U	.018 U	1.8 U		
Silver	.015 U	.015 U	.015 U	.015 U	.015 U	1.5 U		
Thallium	.012 U	.012 U	.012 U	.012 U	.012 U	1.2 U		
Vanadium	.1 U	.1 U	.1 U	.1 U	.1 U	10 U		
Zinc	.1 U	.1 U	.1 U	.1 U	.1 U	10 U		

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 07/21/12
Data File: S14163B3
Prep Batch: 16584
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICPRAD3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2071832

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-143551-7	CCB V-143551-19	CCB V-143551-30	CCB V-143551-38	CCB V-143551-46	MB 16584 (100)-10		
Aluminum	2 U	2 U	2 U	2 U	2 U	200 U		
Calcium	10 U	10 U	10 U	10 U	10 U	1000 U		
Iron	2 U	2 U	2 U	2 U	2 U	200 U		
Magnesium	5 U	5 U	5 U	5 U	5 U	500 U		
Potassium	5 U	5 U	5 U	5 U	5 U	500 U		
Sodium	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	250 U		

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 07/24/12
Data File: H14163S
Prep Batch: 16584
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: HGCV1A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2071832

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB-10	CCB-22	MB 16584 (167)-11					
Mercury	.5 U	.5 U	83 U					

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 07/25/12
Data File: H14163SC
Prep Batch: 16584
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: HGCV1A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2071832

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB-10	CCB-22	CCB-31					
Mercury	.5 U	.5 U	.5 U					

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 4
(ICSA/ICSAB Summary)

Date Analyzed: 07/20/12
Data File: S14163A3
Prep Batch: 16584
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2071832

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICSA/ICSAB: SOURCE: VHG LABS

Analyte	Spk Amt	ICSA V-143744-9	Rec	ICSAB V-143745-10	Rec	ICSA V-143744-28	Rec	ICSAB V-143745-29	Rec	ICSA V-143744-44	Rec	ICSAB V-143745-45	Rec		Rec		Rec
Aluminum	500	509.336	102	512.27200	102	515.642	103	514.60500	103	514.984	103	519.20800	104				
Antimony	1	U		1.02630	103	U		1.00728	101	U		1.02256	102				
Arsenic	1	U		1.00769	101	U		0.99489	99	U		0.99824	100				
Barium	.5	U		0.51997	104	U		0.51395	103	U		0.52150	104				
Beryllium	.5	U		0.49790	100	U		0.49885	100	U		0.50110	100				
Cadmium	1	U		1.03005	103	U		1.01621	102	U		1.03108	103				
Calcium	500	452.652	91	451.29600	90	454.182	91	452.31200	90	453.01	91	452.52700	91				
Chromium	.5	U		0.49151	98	U		0.48378	97	U		0.49180	98				
Cobalt	.5	U		0.48083	96	U		0.47243	94	U		0.47807	96				
Copper	.5	U		0.50275	101	U		0.50371	101	U		0.51190	102				
Iron	200	189.548	95	190.54500	95	190.668	95	190.41100	95	191.319	96	191.43000	96				
Lead	1	U		0.98031	98	U		0.96459	96	U		0.96963	97				
Magnesium	500	519.199	104	521.82900	104	521.869	104	522.04700	104	523.256	105	523.27000	105				
Manganese	.5	U		0.48410	97	U		0.46987	94	U		0.48907	98				
Nickel	1	U		0.93548	94	U		0.92015	92	U		0.92970	93				
Selenium	1	U		1.00900	101	U		0.99143	99	U		1.00902	101				
Silver	1	U		1.07177	107	U		1.06606	107	U		1.08149	108				
Thallium	1	U		0.99705	100	U		0.98154	98	U		0.98534	99				
Vanadium	.5	U		0.46341	93	U		0.45712	91	U		0.46545	93				
Zinc	1	U		0.98471	98	U		0.96818	97	U		0.97668	98				

Notes: a-indicates absolute value of the concentration > 2 * Reporting Limits In the ICSA
b-indicates absolute value of the concentration above Reporting Limits but < 2 * Reporting Limits in the ICSA
c-indicates the recovery failed the Qc Criteria in the ICSAB
u-indicates the absolute value of the concentration was below the reporting limit

FORM 4
(ICSA/ICSAB Summary)

Date Analyzed: 07/21/12
Data File: S14163B3
Prep Batch: 16584
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICPRAD3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2071832

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICSA/ICSAB: SOURCE: VHG LABS

Analyte	Spk Amt	ICSA V-143744-8	Rec	ICSAB V-143745-9	Rec	ICSA V-143744-27	Rec	ICSAB V-143745-28	Rec	ICSA V-143744-43	Rec	ICSAB V-143745-44	Rec		Rec		Rec
Aluminum	500	492.405	98	498.14600	100	494.168	99	489.63400	98	503.707	101	493.71300	99				
Calcium	500	468.142	94	468.87000	94	470.225	94	461.06900	92	481.146	96	471.43000	94				
Iron	200	187.493	94	189.86100	95	188.326	94	186.72600	93	193.027	97	189.16800	95				
Magnesium	500	496.612	99	502.19900	100	498.817	100	494.14800	99	510.542	102	500.94100	100				

Notes: a-indicates absolute value of the concentration > 2 * Reporting Limits In the ICSA
b-indicates absolute value of the concentration above Reporting Limits but < 2 * Reporting Limits in the ICSA
c-indicates the recovery failed the Qc Criteria in the ICSAB
u-indicates the absolute value of the concentration was below the reporting limit

FORM5/FORM7

SPIKE RECOVERY DATA

PREP BATCH: 16584

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR Matrix: SOIL SampleID: LCS MR 16584

Analyte	BatchId	DF	Data Fil	Seq#:	Spk Conc:	Spk Adde	Recov	Qual	Lo Lim	Hi Lim
Aluminum	16584	1	S14163B3	12	62.3235	84.0	74		47	152
Antimony	16584	1	S14163A3	13	0.9082	0.933	97		2.1	199
Arsenic	16584	1	S14163A3	13	0.9355	0.945	99		82	117
Barium	16584	1	S14163A3	13	1.7095	1.67	102		84	116
Beryllium	16584	1	S14163A3	13	0.5823	0.576	101		85	117
Cadmium	16584	1	S14163A3	13	0.6480	0.605	107		83	117
Calcium	16584	1	S14163B3	12	57.6338	61.4	94		83	117
Chromium	16584	1	S14163A3	13	0.7133	0.704	101		82	118
Cobalt	16584	1	S14163A3	13	1.1035	1.02	108		83	117
Copper	16584	1	S14163A3	13	0.8542	0.796	107		84	116
Iron	16584	1	S14163B3	12	109.2250	125	87		51	150
Lead	16584	1	S14163A3	13	0.9490	0.918	103		82	118
Magnesium	16584	1	S14163B3	12	23.9802	25.8	93		76	124
Manganese	16584	1	S14163A3	13	2.8433	2.83	100		82	117
Mercury	16584	1	H14163S	13	22.0180	22.34	99		72	128
Nickel	16584	1	S14163A3	13	0.6206	0.576	108		83	117
Potassium	16584	1	S14163B3	12	22.0789	24.9	89		70	130
Selenium	16584	1	S14163A3	13	0.9268	0.864	107		80	120
Silver	16584	1	S14163A3	13	0.3592	0.344	104		66	134
Sodium	16584	1	S14163B3	12	1.8786	2.15	87		67	133
Thallium	16584	1	S14163A3	13	1.3193	1.20	110		78	121
Vanadium	16584	1	S14163A3	13	0.5414	0.570	95		74	126
Zinc	16584	1	S14163A3	13	1.4446	1.40	103		82	118

TxtQcType: LCS Matrix: SOIL SampleID: LCS 16584

Analyte	BatchId	DF	Data Fil	Seq#:	Spk Conc:	Spk Adde	Recov	Qual	Lo Lim	Hi Lim
Aluminum	16584	1	S14163B3	11	63.0108	84.0	75		47	152
Antimony	16584	1	S14163A3	12	0.8977	0.933	96		2.1	199
Arsenic	16584	1	S14163A3	12	0.9217	0.945	98		82	117
Barium	16584	1	S14163A3	12	1.6564	1.67	99		84	116
Beryllium	16584	1	S14163A3	12	0.5625	0.576	98		85	117
Cadmium	16584	1	S14163A3	12	0.6040	0.605	100		83	117
Calcium	16584	1	S14163B3	11	58.0169	61.4	94		83	117
Chromium	16584	1	S14163A3	12	0.6935	0.704	99		82	118
Cobalt	16584	1	S14163A3	12	1.0692	1.02	105		83	117
Copper	16584	1	S14163A3	12	0.8285	0.796	104		84	116
Iron	16584	1	S14163B3	11	110.2290	125	88		51	150
Lead	16584	1	S14163A3	12	0.9363	0.918	102		82	118
Magnesium	16584	1	S14163B3	11	23.9573	25.8	93		76	124
Manganese	16584	1	S14163A3	12	2.8061	2.83	99		82	117
Mercury	16584	1	H14163S	12	21.9147	22.34	98		72	128
Nickel	16584	1	S14163A3	12	0.5990	0.576	104		83	117
Potassium	16584	1	S14163B3	11	22.2071	24.9	89		70	130
Selenium	16584	1	S14163A3	12	0.8321	0.864	96		80	120
Silver	16584	1	S14163A3	12	0.3459	0.344	101		66	134
Sodium	16584	1	S14163B3	11	1.8901	2.15	88		67	133
Thallium	16584	1	S14163A3	12	1.2498	1.20	104		78	121
Vanadium	16584	1	S14163A3	12	0.5222	0.570	92		74	126
Zinc	16584	1	S14163A3	12	1.4005	1.40	100		82	118

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

FORM5/FORM7

SPIKE RECOVERY DATA

PREP BATCH: 16584

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: MSD Matrix: SOIL SampleID: AC67152-003

Analyte	BatchId	DF	Data Fil	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Adde	Recov	Qual	Lo Lim	Hi Lim
Aluminum	16584	1	S14163B3	16	S14163B3	13	148.1710	134.0230	5.0	283	b	75	125
Antimony	16584	1	S14163A3	17	S14163A3	14	0.2594	0.02U	0.50	52	a	75	125
Arsenic	16584	1	S14163A3	17	S14163A3	14	0.4587	0.02U	0.50	92		75	125
Barium	16584	1	S14163A3	17	S14163A3	14	1.6649	1.0009	0.50	133	a	75	125
Beryllium	16584	1	S14163A3	17	S14163A3	14	0.4560	0.006U	0.50	91		75	125
Cadmium	16584	1	S14163A3	17	S14163A3	14	0.4696	0.006U	0.50	94		75	125
Calcium	16584	1	S14163B3	16	S14163B3	13	106.8720	22.5676	50	169	a	75	125
Chromium	16584	1	S14163A3	17	S14163A3	14	0.8200	0.3856	0.50	87		75	125
Cobalt	16584	1	S14163A3	17	S14163A3	14	0.5642	0.0896	0.50	95		75	125
Copper	16584	1	S14163A3	17	S14163A3	14	0.7504	0.2676	0.50	97		75	125
Iron	16584	1	S14163B3	16	S14163B3	13	209.2470	203.1830	5.0	121		75	125
Lead	16584	1	S14163A3	17	S14163A3	14	0.9551	0.3784	0.50	115		75	125
Magnesium	16584	1	S14163B3	16	S14163B3	13	88.6156	41.9581	50	93		75	125
Manganese	16584	1	S14163A3	17	S14163A3	14	3.9063	3.5528	0.50	71	b	75	125
Mercury	16584	1	H14163S	17	H14163S	14	10.6438	.5U	10	106		75	125
Nickel	16584	1	S14163A3	17	S14163A3	14	0.6752	0.2073	0.50	94		75	125
Potassium	16584	1	S14163B3	16	S14163B3	13	74.4584	27.8276	50	93		75	125
Selenium	16584	1	S14163A3	17	S14163A3	14	0.4301	0.018U	0.50	86		75	125
Silver	16584	1	S14163A3	17	S14163A3	14	0.0901	0.015U	0.10	90		75	125
Sodium	16584	1	S14163B3	16	S14163B3	13	48.0430	2.5U	50	96		75	125
Thallium	16584	1	S14163A3	17	S14163A3	14	0.4830	0.012U	0.50	97		75	125
Vanadium	16584	1	S14163A3	17	S14163A3	14	0.7793	0.3322	0.50	89		75	125
Zinc	16584	1	S14163A3	17	S14163A3	14	1.2313	0.5418	0.50	138	a	75	125

TxtQcType: MS Matrix: SOIL SampleID: AC67152-003

Analyte	BatchId	DF	Data Fil	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Adde	Recov	Qual	Lo Lim	Hi Lim
Aluminum	16584	1	S14163B3	15	S14163B3	13	145.7260	134.0230	5.0	234	b	75	125
Antimony	16584	1	S14163A3	16	S14163A3	14	0.2467	0.02U	0.50	49	a	75	125
Arsenic	16584	1	S14163A3	16	S14163A3	14	0.4549	0.02U	0.50	91		75	125
Barium	16584	1	S14163A3	16	S14163A3	14	1.4462	1.0009	0.50	89		75	125
Beryllium	16584	1	S14163A3	16	S14163A3	14	0.4520	0.006U	0.50	90		75	125
Cadmium	16584	1	S14163A3	16	S14163A3	14	0.4601	0.006U	0.50	92		75	125
Calcium	16584	1	S14163B3	15	S14163B3	13	68.7257	22.5676	50	92		75	125
Chromium	16584	1	S14163A3	16	S14163A3	14	0.8136	0.3856	0.50	86		75	125
Cobalt	16584	1	S14163A3	16	S14163A3	14	0.5580	0.0896	0.50	94		75	125
Copper	16584	1	S14163A3	16	S14163A3	14	0.7314	0.2676	0.50	93		75	125
Iron	16584	1	S14163B3	15	S14163B3	13	197.7470	203.1830	5.0	-110	b	75	125
Lead	16584	1	S14163A3	16	S14163A3	14	0.8243	0.3784	0.50	89		75	125
Magnesium	16584	1	S14163B3	15	S14163B3	13	87.1200	41.9581	50	90		75	125
Manganese	16584	1	S14163A3	16	S14163A3	14	3.9193	3.5528	0.50	73	b	75	125
Mercury	16584	1	H14163S	16	H14163S	14	10.7269	.5U	10	107		75	125
Nickel	16584	1	S14163A3	16	S14163A3	14	0.6701	0.2073	0.50	93		75	125
Potassium	16584	1	S14163B3	15	S14163B3	13	73.7513	27.8276	50	92		75	125
Selenium	16584	1	S14163A3	16	S14163A3	14	0.4374	0.018U	0.50	87		75	125
Silver	16584	1	S14163A3	16	S14163A3	14	0.0882	0.015U	0.10	88		75	125
Sodium	16584	1	S14163B3	15	S14163B3	13	47.6743	2.5U	50	95		75	125
Thallium	16584	1	S14163A3	16	S14163A3	14	0.4783	0.012U	0.50	96		75	125
Vanadium	16584	1	S14163A3	16	S14163A3	14	0.7597	0.3322	0.50	86		75	125
Zinc	16584	1	S14163A3	16	S14163A3	14	0.9636	0.5418	0.50	84		75	125

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

FORM5/FORM7

SPIKE RECOVERY DATA

PREP BATCH: 16584

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: PS Matrix: SOIL SampleID: AC67152-003

Analyte	DF	Data Fil	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Adde	Recov	Qual	Lo Lim	Hi Lim
Aluminum	1	S14163B3	17	S14163B3	13	136.3800	134.0230	5.0	47	b	75	125
Antimony	1	S14163A3	18	S14163A3	14	0.4472	0.02U	0.50	89		75	125
Arsenic	1	S14163A3	18	S14163A3	14	0.4551	0.02U	0.50	91		75	125
Barium	1	S14163A3	18	S14163A3	14	1.4619	1.0009	0.50	92		75	125
Beryllium	1	S14163A3	18	S14163A3	14	0.4459	0.006U	0.50	89		75	125
Cadmium	1	S14163A3	18	S14163A3	14	0.4595	0.006U	0.50	92		75	125
Calcium	1	S14163B3	17	S14163B3	13	66.1417	22.5676	50	87		75	125
Chromium	1	S14163A3	18	S14163A3	14	0.8292	0.3856	0.50	89		75	125
Cobalt	1	S14163A3	18	S14163A3	14	0.5582	0.0896	0.50	94		75	125
Copper	1	S14163A3	18	S14163A3	14	0.7325	0.2676	0.50	93		75	125
Iron	1	S14163B3	17	S14163B3	13	203.4260	203.1830	5.0	4.9	b	75	125
Lead	1	S14163A3	18	S14163A3	14	0.8254	0.3784	0.50	89		75	125
Magnesium	1	S14163B3	17	S14163B3	13	87.0049	41.9581	50	90		75	125
Manganese	1	S14163A3	18	S14163A3	14	3.9732	3.5528	0.50	84		75	125
Nickel	1	S14163A3	18	S14163A3	14	0.6619	0.2073	0.50	91		75	125
Potassium	1	S14163B3	17	S14163B3	13	72.7274	27.8276	50	90		75	125
Selenium	1	S14163A3	18	S14163A3	14	0.4420	0.018U	0.50	88		75	125
Silver	1	S14163A3	18	S14163A3	14	0.0735	0.015U	0.10	74	a	75	125
Sodium	1	S14163B3	17	S14163B3	13	46.8333	2.5U	50	94		75	125
Thallium	1	S14163A3	18	S14163A3	14	0.4770	0.012U	0.50	95		75	125
Vanadium	1	S14163A3	18	S14163A3	14	0.7674	0.3322	0.50	87		75	125
Zinc	1	S14163A3	18	S14163A3	14	0.9923	0.5418	0.50	90		75	125

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

FORM6/FORM9

RPD/%Difference Data

PREP BATCH: 16584

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR Matrix: SOIL SampleID: LCS MR 16584

Analyte	BatchId	Data Fil	Seq#:	NS File	Seq#	Result 1	Result 2	RPD	Limit
Aluminum	16584	S14163B3	12	S14163B3	11	62.3235	63.0108	1.1	20
Antimony	16584	S14163A3	13	S14163A3	12	0.9082	0.8977	1.2	20
Arsenic	16584	S14163A3	13	S14163A3	12	0.9355	0.9217	1.5	20
Barium	16584	S14163A3	13	S14163A3	12	1.7095	1.6564	3.2	20
Beryllium	16584	S14163A3	13	S14163A3	12	0.5823	0.5625	3.5	20
Cadmium	16584	S14163A3	13	S14163A3	12	0.6480	0.6040	7	20
Calcium	16584	S14163B3	12	S14163B3	11	57.6338	58.0169	.66	20
Chromium	16584	S14163A3	13	S14163A3	12	0.7133	0.6935	2.8	20
Cobalt	16584	S14163A3	13	S14163A3	12	1.1035	1.0692	3.2	20
Copper	16584	S14163A3	13	S14163A3	12	0.8542	0.8285	3.1	20
Iron	16584	S14163B3	12	S14163B3	11	109.2250	110.2290	.91	20
Lead	16584	S14163A3	13	S14163A3	12	0.9490	0.9363	1.3	20
Magnesium	16584	S14163B3	12	S14163B3	11	23.9802	23.9573	.096	20
Manganese	16584	S14163A3	13	S14163A3	12	2.8433	2.8061	1.3	20
Mercury	16584	H14163S	13	H14163S	12	22.0180	21.9147	.47	20
Nickel	16584	S14163A3	13	S14163A3	12	0.6206	0.5990	3.5	20
Potassium	16584	S14163B3	12	S14163B3	11	22.0789	22.2071	.58	20
Selenium	16584	S14163A3	13	S14163A3	12	0.9268	0.8321	11	20
Silver	16584	S14163A3	13	S14163A3	12	0.3592	0.3459	3.8	20
Sodium	16584	S14163B3	12	S14163B3	11	1.8786	1.8901	.61	20
Thallium	16584	S14163A3	13	S14163A3	12	1.3193	1.2498	5.4	20
Vanadium	16584	S14163A3	13	S14163A3	12	0.5414	0.5222	3.6	20
Zinc	16584	S14163A3	13	S14163A3	12	1.4446	1.4005	3.1	20

TxtQcType: MR Matrix: SOIL SampleID: AC67152-003

Analyte	BatchId	Data Fil	Seq#:	NS File	Seq#	Result 1	Result 2	RPD	Limit
Aluminum	16584	S14163B3	14	S14163B3	13	130.1580	134.0230	2.9	20
Antimony	16584	S14163A3	15	S14163A3	14	0.02U	0.02U	---	20
Arsenic	16584	S14163A3	15	S14163A3	14	0.02U	0.02U	---	20
Barium	16584	S14163A3	15	S14163A3	14	0.9783	1.0009	2.3	20
Beryllium	16584	S14163A3	15	S14163A3	14	0.006U	0.006U	---	20
Cadmium	16584	S14163A3	15	S14163A3	14	0.006U	0.006U	---	20
Calcium	16584	S14163B3	14	S14163B3	13	26.5687	22.5676	16	20
Chromium	16584	S14163A3	15	S14163A3	14	0.3907	0.3856	1.3	20
Cobalt	16584	S14163A3	15	S14163A3	14	0.0941	0.0896	4.9	20
Copper	16584	S14163A3	15	S14163A3	14	0.2620	0.2676	2.1	20
Iron	16584	S14163B3	14	S14163B3	13	197.9010	203.1830	2.6	20
Lead	16584	S14163A3	15	S14163A3	14	0.4460	0.3784	16	20
Magnesium	16584	S14163B3	14	S14163B3	13	40.6228	41.9581	3.2	20
Manganese	16584	S14163A3	15	S14163A3	14	3.5471	3.5528	0.16	20
Mercury	16584	H14163S	15	H14163S	14	.5U	.5U	---	20
Nickel	16584	S14163A3	15	S14163A3	14	0.2113	0.2073	1.9	20
Potassium	16584	S14163B3	14	S14163B3	13	27.1946	27.8276	2.3	20
Selenium	16584	S14163A3	15	S14163A3	14	0.018U	0.018U	---	20
Silver	16584	S14163A3	15	S14163A3	14	0.015U	0.015U	---	20
Sodium	16584	S14163B3	14	S14163B3	13	2.5U	2.5U	---	20
Thallium	16584	S14163A3	15	S14163A3	14	0.012U	0.012U	---	20
Vanadium	16584	S14163A3	15	S14163A3	14	0.3262	0.3322	1.8	20
Zinc	16584	S14163A3	15	S14163A3	14	0.5254	0.5418	3.1	20

a-Indicates Rpd Failed the criteria

b-Method Rep Out but concentrations < 5*RL

c-Serial dilution Out but conc < 10 * IDL

FORM6/FORM9

RPD/%Difference Data

PREP BATCH: 16584

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: MSD Matrix: SOIL SampleID: AC67152-003

Analyte	BatchId	Data Fil	Seq#:	MS File	Seq#	Result 1	Result 2	RPD		Limit
Aluminum	16584	S14163B3	16	S14163B3	15	148.1710	145.7260	1.7		20
Antimony	16584	S14163A3	17	S14163A3	16	0.2594	0.2467	5		20
Arsenic	16584	S14163A3	17	S14163A3	16	0.4587	0.4549	.83		20
Barium	16584	S14163A3	17	S14163A3	16	1.6649	1.4462	14		20
Beryllium	16584	S14163A3	17	S14163A3	16	0.4560	0.4520	.89		20
Cadmium	16584	S14163A3	17	S14163A3	16	0.4696	0.4601	2		20
Calcium	16584	S14163B3	16	S14163B3	15	106.8720	68.7257	43	a	20
Chromium	16584	S14163A3	17	S14163A3	16	0.8200	0.8136	.79		20
Cobalt	16584	S14163A3	17	S14163A3	16	0.5642	0.5580	1.1		20
Copper	16584	S14163A3	17	S14163A3	16	0.7504	0.7314	2.6		20
Iron	16584	S14163B3	16	S14163B3	15	209.2470	197.7470	5.7		20
Lead	16584	S14163A3	17	S14163A3	16	0.9551	0.8243	15		20
Magnesium	16584	S14163B3	16	S14163B3	15	88.6156	87.1200	1.7		20
Manganese	16584	S14163A3	17	S14163A3	16	3.9063	3.9193	.33		20
Mercury	16584	H14163S	17	H14163S	16	10.6438	10.7269	.78		20
Nickel	16584	S14163A3	17	S14163A3	16	0.6752	0.6701	.77		20
Potassium	16584	S14163B3	16	S14163B3	15	74.4584	73.7513	.95		20
Selenium	16584	S14163A3	17	S14163A3	16	0.4301	0.4374	1.7		20
Silver	16584	S14163A3	17	S14163A3	16	0.0901	0.0882	2.1		20
Sodium	16584	S14163B3	16	S14163B3	15	48.0430	47.6743	.77		20
Thallium	16584	S14163A3	17	S14163A3	16	0.4830	0.4783	.99		20
Vanadium	16584	S14163A3	17	S14163A3	16	0.7793	0.7597	2.5		20
Zinc	16584	S14163A3	17	S14163A3	16	1.2313	0.9636	24	a	20

TxtQcType: SD Matrix: SOIL SampleID: AC67152-003

Analyte	BatchId	Data Fil	Seq#:	NS File	Seq#	DF	Result 1	Result 2	%Diff		Limit
Aluminum	16584	S14163B3	20	S14163B3	13	5	28.8462	134.0230	7.6		10
Antimony	16584	S14163A3	21	S14163A3	14	5	0.0012	0.0125	---		10
Arsenic	16584	S14163A3	21	S14163A3	14	5	0.0025	0.0144	---		10
Barium	16584	S14163A3	21	S14163A3	14	5	0.2175	1.0009	8.7		10
Beryllium	16584	S14163A3	21	S14163A3	14	5	0.0018	0.0045	101	a	10
Cadmium	16584	S14163A3	21	S14163A3	14	5	0.0007	0.0024	53	c	10
Calcium	16584	S14163B3	20	S14163B3	13	5	4.6077	22.5676	2.1		10
Chromium	16584	S14163A3	21	S14163A3	14	5	0.0840	0.3856	8.9		10
Cobalt	16584	S14163A3	21	S14163A3	14	5	0.0186	0.0896	3.6		10
Copper	16584	S14163A3	21	S14163A3	14	5	0.0577	0.2676	7.8		10
Iron	16584	S14163B3	20	S14163B3	13	5	44.4073	203.1830	9.3		10
Lead	16584	S14163A3	21	S14163A3	14	5	0.0853	0.3784	13	a	10
Magnesium	16584	S14163B3	20	S14163B3	13	5	9.0441	41.9581	7.8		10
Manganese	16584	S14163A3	21	S14163A3	14	5	0.7942	3.5528	12	a	10
Nickel	16584	S14163A3	21	S14163A3	14	5	0.0438	0.2073	5.6		10
Potassium	16584	S14163B3	20	S14163B3	13	5	6.0807	27.8276	9.3		10
Selenium	16584	S14163A3	21	S14163A3	14	5	-0.0016	-0.0078	---		10
Silver	16584	S14163A3	21	S14163A3	14	5	-0.0001	-0.0013	---		10
Sodium	16584	S14163B3	20	S14163B3	13	5	0.3035	1.4369	5.6		10
Thallium	16584	S14163A3	21	S14163A3	14	5	-0.0031	-0.0008	---		10
Vanadium	16584	S14163A3	21	S14163A3	14	5	0.0733	0.3322	10		10
Zinc	16584	S14163A3	21	S14163A3	14	5	0.1227	0.5418	13	a	10

a-Indicates Rpd Failed the criteria

b-Method Rep Out but concentrations < 5*RL

c-Serial dilution Out but conc < 10 * IDL

Hampton-Clarke/Veritech

ICP SAMPLE PREPARATION LOG

ANALYTICAL METHOD: 3010A 3005A 3050B (6020) 200.7/200.8 OTHER_____

Batch No.: 141163 Analyst: PH

QC Number: 16584 Prep Date: 7/20/12

Matrix: soil Reviewed By: QA

LAB ID#	ICP		ICP-MS (Secondary dil)		TCLP		COMMENTS
	Initial	Final	Aliquot	Final	Eff	TCLP	
Method blank	50ml	50ml				–	
LCS	0.5g					–	
LCSD	↓					–	
1. 67152-003	0.5g						
MR 67152-003							
MS 67152-003							
MSD 67152-003							
2. 67179-003							
3. 67169-001							
4. 67169-002							
5. 67169-003/1							PH, 7/20
6. 67152-001							
7. 67152-002							
8. 67152-004							
9. 67152-005							
10. 67152-006							
11. 67152-007							
12. 67152-008							
13. 67152-009							
14. 67160-001							
15. 67160-002							
16. 67160-003							
17. 67160-004							
18. 67140-001							
19. 67140-002							
20. 67140-003	↓	↓					

Hot Plate Temperature: 91.5° C (90-95° C)

	Volume mL	Lot #
LCS, LCSD	0.5g	V- 69140
LLLCS, LLLCSD		V-
MS, MSD	0.5ml	V- 6785, 6786
LLMS, LLMSD		V-

Acid	Vol mL	Lot#
HNO_3	2.5ml	V- 7017
HCl	5ml	V- 7037
H_2O_2	1.5ml	V- 69[illegible]

Acid	Vol mL	Lot#
1:1 HNO_3	5ml	V-145400
1:1 HCl		V-

Relinquished By P.Hpalit Date 7/20/12

Received By QA Date 07/23/2012

HG SAMPLE PREPARATION LOG

2071832 0360

ANALYTICAL METHOD: 245.1 7470A (7471A) OTHER_____

Batch No.:* 14163

QC Number: 16584

Matrix: Soil

Analyst: PH

Prep Date: 7/20/12

Review By: [illegible]

LAB ID#	MERCURY INITIAL	MERCURY FINAL	COMMENTS
Method blank	25 ml.	25 ml	
LCS	0.15 g	↓	
LCSD	↓	↓	
1 67152-003	↓	↓	
MR 67152-003	↓	↓	
MS 67152-003	↓	↓	
MSD 67152-003	↓	↓	
2 67179-003	↓	↓	
3 67169-001	↓	↓	
4 67169-002	↓	↓	
5 67169-011	↓	↓	
6 67152-001	↓	↓	
7 67152-002	↓	↓	
8 67152-004	↓	↓	
9 67152-005	↓	↓	
10 67152-006	↓	↓	
11 67152-007	↓	↓	
12 67152-008	↓	↓	
13 67152-009	↓	↓	
14 67160-001	↓	↓	
15 67160-002	↓	↓	
16 67160-003	↓	↓	
17 67160-004	↓	↓	
18 67140-001	↓	↓	
19 67140-002	↓	↓	
20 67140-003	↓	↓	

Lot Numbers	Acid	Volume (mL)	Lot #
$KmnO_4$: V- 145377	HNO_3		V-
$K_2S_2O_8$: V-	HCl		V-
NH_2OH: V- 145379	H_2SO_4		V-
	Aqua Regia	1.25 ml	V- 146126

**Block Temp. :	95° C
Time In Block:	12:00 PM
Time Out of Block:	12:30 PM
** Required range = 90-95° C	

Spike Volume & Lot #

☐ LCS V- 6940 0.15g / 0.25 ml

☐ MS V- 146115 0.250 ml

☐ Standards/Control Batch B- 13805

Relinquished By: [illegible]

01

*25 mLs of each standard was digested with this batch using the same reagents and at the same time as the above samples. The preparation of each standard may be referenced in Veriprog using the standard batch number and the corresponding V #s.

Run Log

Data File: W:\METALS.FRM\ICPDATA\New\PEICP3A\S14163A3.txt

Analysis Date: 07/20/12

Instrument: PEICP3A

Sample Id	DF	Qc Type	Time	Run #	Test Group	Rept Limit Matrix	Qc Matrix	Anal Method	Prep Batch	Comments:	Stds:
Calib Blank 1 V-143551	1	CAL	21:42	1							V-143551(ICB/CCB)
Calib 1 V-142314	1	CAL	21:45	2							V-142314(ICS1 Lowest std)
Calib 2 V-144244	1	CAL	21:48	3							V-144244(ICS2- Low Std)
Calib 3 V-143664	1	CAL	21:52	4							V-143664(ICS3 - Middle Std)
Calib 4 V-144744	1	CAL	21:55	5							V-144744(ICS4 - High std)
ICS3 V-143664	1	ICS	22:00	6							V-143664(ICS3 - Middle Std)
ICV (2) V-144247	1	ICV	22:03	7							V-144247(ICV)
ICB V-143551	1	ICB	22:08	8							V-143551(ICB/CCB)
ICSA V-143744	1	ICSA	22:11	9							V-143744(ICSA)
ICSAB V-143745	1	ICSAB	22:16	10							V-143745(ICSAB)
MB 16584 (100)	1	MB	22:20	11		SOIL	SOIL	SW846	16584		0
LCS 16584	1	LCS	22:24	12		SOIL	SOIL	SW846	16584		0
LCS MR 16584	1	LCS	22:28	13		SOIL	SOIL	SW846	16584		0
AC67152-003	1	SMP	22:33	14	METALS-TAL-S	SOIL	SOIL	SW846	16584		0
AC67152-003	1	MR	22:37	15	METALS-TAL-S	SOIL	SOIL	SW846	16584		0
AC67152-003	1	MS	22:41	16	METALS-TAL-S	SOIL	SOIL	SW846	16584		0
AC67152-003	1	MSD	22:46	17	METALS-TAL-S	SOIL	SOIL	SW846	16584		0
AC67152-003	1	PS	22:50	18	METALS-TAL-S	SOIL	SOIL	SW846	16584		0
CCV V-144703	1	CCV	22:55	19							V-144703(CCV)
CCB V-143551	1	CCB	22:58	20							V-143551(ICB/CCB)
AC67152-003	5	SD	23:01	21	METALS-TAL-S	SOIL	SOIL	SW846	16584		0
AC67179-003	1	SMP	23:05	22	METALS-TAL-S	SOIL	SOIL	SW846	16584		0
AC67169-001	1	SMP	23:09	23	METALS-TAL-S	SOIL	SOIL	SW846	16584		0
AC67169-002	1	SMP	23:13	24	METALS-TAL-S	SOIL	SOIL	SW846	16584		0
AC67169-011	1	SMP	23:17	25	METALS-TAL-S	SOIL	SOIL	SW846	16584		0
AC67152-001	1	SMP	23:21	26	METALS-TAL-S	SOIL	SOIL	SW846	16584		0
AC67152-002	1	SMP	23:25	27	METALS-TAL-S	SOIL	SOIL	SW846	16584		0
ICSA V-143744	1	ICSA	23:30	28							V-143744(ICSA)
ICSAB V-143745	1	ICSAB	23:34	29							V-143745(ICSAB)
CCV V-144703	1	CCV	23:39	30							V-144703(CCV)
CCB V-143551	1	CCB	23:42	31							V-143551(ICB/CCB)
AC67152-004	1	SMP	23:46	32	METALS-TAL-S	SOIL	SOIL	SW846	16584		0
AC67152-005	1	SMP	23:50	33	METALS-TAL-S	SOIL	SOIL	SW846	16584		0
AC67152-006	1	SMP	23:54	34	METALS-TAL-S	SOIL	SOIL	SW846	16584		0
AC67152-007	1	SMP	23:59	35	METALS-TAL-S	SOIL	SOIL	SW846	16584		0
AC67152-008	1	SMP	00:03	36	METALS-TAL-S	SOIL	SOIL	SW846	16584		0
AC67152-009	1	SMP	00:08	37	METALS-TAL-S	SOIL	SOIL	SW846	16584		0
CCV V-144703	1	CCV	00:12	38							V-144703(CCV)
CCB V-143551	1	CCB	00:16	39							V-143551(ICB/CCB)
AC67160-001	1	SMP	00:19	40	SRSMETALS-S	SOIL	SOIL	SW846	16584		0
AC67160-002	1	SMP	00:24	41	SRSMETALS-S	SOIL	SOIL	SW846	16584		0
AC67160-003	1	SMP	00:28	42	SRSMETALS-S	SOIL	SOIL	SW846	16584		0
AC67160-004	1	SMP	00:32	43	SRSMETALS-S	SOIL	SOIL	SW846	16584		0
ICSA V-143744	1	ICSA	00:37	44							V-143744(ICSA)
ICSAB V-143745	1	ICSAB	00:41	45							V-143745(ICSAB)
CCV V-144703	1	CCV	00:46	46							V-144703(CCV)
CCB V-143551	1	CCB	00:50	47							V-143551(ICB/CCB)

Comments/Reviewedby:

Standard/Batch/SnCl2 Lot #:

OLUFEMI
192.168.1.89 7/23/2012 6:07:58 AM

RUN IS OK

7/26/12

Run Log

Data File: W:\METALS.FRM\ICPDATA\New\PEICPRAD3A\S14163B3.txt

Analysis Date: 07/21/12

Instrument: PEICPRAD3A

Sample Id	DF	Qc Type	Time	Run #	Test Group	Rept Limit Matrix	Qc Matrix	Anal Method	Prep Batch	Comments:	Stds:
Calib Blk 1 V-143551	1	CAL	06:58	1							V-143551(ICB/CCB)
Calib 1 V-144244	1	CAL	07:01	2							V-144244(ICS2- Low Std)
Calib 2 V-143664	1	CAL	07:04	3							V-143664(ICS3 - Middle Std)
Calib 3 V-144744	1	CAL	07:08	4							V-144744(ICS4 - High std)
ICS3 V-143664	1	ICS	07:10	5							V-143664(ICS3 - Middle Std)
ICV (2) V-144247	1	ICV	07:14	6							V-144247(ICV)
ICB V-143551	1	ICB	07:17	7							V-143551(ICB/CCB)
ICSA V-143744	1	ICSA	07:20	8							V-143744(ICSA)
ICSAB V-143745	1	ICSAB	07:24	9							V-143745(ICSAB)
MB 16584 (100)	1	MB	07:28	10		SOIL	SOIL	SW846	16584		0
LCS 16584	1	LCS	07:31	11		SOIL	SOIL	SW846	16584		0
LCS MR 16584	1	LCS	07:34	12		SOIL	SOIL	SW846	16584		0
AC67152-003	1	SMP	07:37	13	METALS-TAL-S	SOIL	SOIL	SW846	16584		0
AC67152-003	1	MR	07:40	14	METALS-TAL-S	SOIL	SOIL	SW846	16584		0
AC67152-003	1	MS	07:43	15	METALS-TAL-S	SOIL	SOIL	SW846	16584		0
AC67152-003	1	MSD	07:46	16	METALS-TAL-S	SOIL	SOIL	SW846	16584		0
AC67152-003	1	PS	07:49	17	METALS-TAL-S	SOIL	SOIL	SW846	16584		0
CCV V-144703	1	CCV	07:53	18							V-144703(CCV)
CCB V-143551	1	CCB	07:56	19							V-143551(ICB/CCB)
AC67152-003	5	SD	07:59	20	METALS-TAL-S	SOIL	SOIL	SW846	16584		0
AC67179-003	1	SMP	08:03	21	METALS-TAL-S	SOIL	SOIL	SW846	16584		0
AC67169-001	1	SMP	08:06	22	METALS-TAL-S	SOIL	SOIL	SW846	16584		0
AC67169-002	1	SMP	08:09	23	METALS-TAL-S	SOIL	SOIL	SW846	16584		0
AC67169-011	1	SMP	08:12	24	METALS-TAL-S	SOIL	SOIL	SW846	16584		0
AC67152-001	1	SMP	08:14	25	METALS-TAL-S	SOIL	SOIL	SW846	16584		0
AC67152-002	1	SMP	08:18	26	METALS-TAL-S	SOIL	SOIL	SW846	16584		0
ICSA V-143744	1	ICSA	08:21	27							V-143744(ICSA)
ICSAB V-143745	1	ICSAB	08:25	28							V-143745(ICSAB)
CCV V-144703	1	CCV	08:29	29							V-144703(CCV)
CCB V-143551	1	CCB	08:33	30							V-143551(ICB/CCB)
AC67152-004	1	SMP	08:36	31	METALS-TAL-S	SOIL	SOIL	SW846	16584		0
AC67152-005	1	SMP	08:39	32	METALS-TAL-S	SOIL	SOIL	SW846	16584		0
AC67152-006	1	SMP	08:43	33	METALS-TAL-S	SOIL	SOIL	SW846	16584		0
AC67152-007	1	SMP	08:46	34	METALS-TAL-S	SOIL	SOIL	SW846	16584		0
AC67152-008	1	SMP	08:49	35	METALS-TAL-S	SOIL	SOIL	SW846	16584		0
AC67152-009	1	SMP	08:52	36	METALS-TAL-S	SOIL	SOIL	SW846	16584		0
CCV V-144703	1	CCV	08:56	37							V-144703(CCV)
CCB V-143551	1	CCB	08:59	38							V-143551(ICB/CCB)
AC67160-001	1	SMP	09:02	39	SRSMETALS-S	SOIL	SOIL	SW846	16584		0
AC67160-002	1	SMP	09:06	40	SRSMETALS-S	SOIL	SOIL	SW846	16584		0
AC67160-003	1	SMP	09:09	41	SRSMETALS-S	SOIL	SOIL	SW846	16584		0
AC67160-004	1	SMP	09:12	42	SRSMETALS-S	SOIL	SOIL	SW846	16584		0
ICSA V-143744	1	ICSA	09:16	43							V-143744(ICSA)
ICSAB V-143745	1	ICSAB	09:20	44							V-143745(ICSAB)
CCV V-144703	1	CCV	09:24	45							V-144703(CCV)
CCB V-143551	1	CCB	09:27	46							V-143551(ICB/CCB)

Comments/Reviewedby:

Standard/Batch/SnCl2 Lot #:

OLUFEMI
192.168.1.89 7/23/2012 6:12:17 AM

RUN IS OK
The earth elements reported

7/26/12

Run Log

Data File: W:\METALS.FRM\ICPDATA\New\HGCV1A\H14163S.txt

Analysis Date: 07/24/12

Instrument: HGCV1A

Sample Id	DF	Qc Type	Time	Run #	Test Group	Rept Limit Matrix	Qc Matrix	Anal Method	Prep Batch	Comments:	Stds:
Calibration Blank	1	CAL	13:09	1							0
.2 PPB	1	CAL	13:10	2							0
.5 PPB	1	CAL	13:12	3							0
1 PPB	1	CAL	13:14	4							0
2 PPB	1	CAL	13:15	5							0
5 PPB	1	CAL	13:17	6							0
10 PPB	1	CAL	13:18	7							0
25 PPB	1	CAL	13:20	8							0
ICV (2)	1	ICV	13:21	9							0
ICB	1	ICB	13:23	10							0
MB 16584 (167)	1	MB	13:24	11		SOIL	SOIL	SW846	16584		0
LCS 16584	1	LCS	13:26	12		SOIL	SOIL	SW846	16584		0
LCS MR 16584	1	LCS	13:27	13		SOIL	SOIL	SW846	16584		0
AC67152-003	1	SMP	13:29	14	HG-SOIL	SOIL	SOIL	SW846	16584		0
AC67152-003	1	MR	13:30	15	HG-SOIL	SOIL	SOIL	SW846	16584		0
AC67152-003	1	MS	13:32	16	HG-SOIL	SOIL	SOIL	SW846	16584		0
AC67152-003	1	MSD	13:33	17	HG-SOIL	SOIL	SOIL	SW846	16584		0
AC67179-003	1	SMP	13:35	18	HG-SOIL	SOIL	SOIL	SW846	16584		0
AC67169-001	1	SMP	13:36	19	HG-SOIL	SOIL	SOIL	SW846	16584		0
AC67169-002	1	SMP	13:38	20	HG-SOIL	SOIL	SOIL	SW846	16584		0
CCV	1	CCV	13:40	21							0
CCB	1	CCB	13:41	22							0
AC67169-011	1	NA	13:43	23	HG-SOIL	SOIL	SOIL	SW846	16584	FINAL CCV FAILED, RERAN AFTER LAST CLOSE-OUT	0
AC67152-001	1	NA	13:44	24	HG-SOIL	SOIL	SOIL	SW846	16584	FINAL CCV FAILED, RERAN AFTER LAST CLOSE-OUT	0
AC67152-002	1	NA	13:46	25	HG-SOIL	SOIL	SOIL	SW846	16584	FINAL CCV FAILED, RERAN AFTER LAST CLOSE-OUT	0
AC67152-004	1	NA	13:47	26	HG-SOIL	SOIL	SOIL	SW846	16584	FINAL CCV FAILED, RERAN AFTER LAST CLOSE-OUT	0
~~AC67152-005~~	~~1~~	~~NA~~	~~13:49~~	~~27~~	~~HG-SOIL~~	~~SOIL~~	~~SOIL~~	~~SW846~~	~~16584~~	~~FINAL CCV FAILED, RERAN AFTER LAST CLOSE-OUT~~	~~0~~
AC67152-006	1	NA	13:50	28	HG-SOIL	SOIL	SOIL	SW846	16584	FINAL CCV FAILED, RERAN AFTER LAST CLOSE-OUT	0
~~AC67152-007~~	~~1~~	~~NA~~	~~13:52~~	~~29~~	~~HG-SOIL~~	~~SOIL~~	~~SOIL~~	~~SW846~~	~~16584~~	~~FINAL CCV FAILED, RERAN AFTER LAST CLOSE-OUT~~	~~0~~
AC67152-008	1	NA	13:53	30	HG-SOIL	SOIL	SOIL	SW846	16584	FINAL CCV FAILED, RERAN AFTER LAST CLOSE-OUT	0
AC67152-009	1	NA	13:55	31	HG-SOIL	SOIL	SOIL	SW846	16584	FINAL CCV FAILED, RERAN AFTER LAST CLOSE-OUT	0
AC67160-001	1	NA	13:56	32	HG-SOIL	SOIL	SOIL	SW846	16584	FINAL CCV FAILED, RERAN AFTER LAST CLOSE-OUT	0
CCV	1	CCV	13:58	33						FINAL CCV FAILED, RERAN AFTER LAST CLOSE-OUT	0

Comments/Reviewedby:

carmela
192.168.1.89 7/24/2012 2:15:40 PM

OK

SL 7/27/12

Standard/Batch/SnCl2 Lot #:

V-146283

Run Log

Data File: W:\METALS.FRM\ICPDATA\New\HGCV1A\H14163SC.txt

Analysis Date: 07/25/12 **Instrument:** HGCV1A

Sample Id	DF	Qc Type	Time	Run #	Test Group	Rept Limit Matrix	Qc Matrix	Anal Method	Prep Batch	Comments:	Stds:
Calibration Blank	1	CAL	12:38	1							0
.2 PPB	1	CAL	12:40	2							0
.5 PPB	1	CAL	12:41	3							0
1 PPB	1	CAL	12:43	4							0
2 PPB	1	CAL	12:44	5							0
5 PPB	1	CAL	12:46	6							0
10 PPB	1	CAL	12:47	7							0
25 PPB	1	CAL	12:49	8							0
ICV (2)	1	ICV	12:50	9							0
ICB	1	ICB	12:52	10							0
AC67169-011	1	SMP	12:53	11	HG-SOIL	SOIL	SOIL	SW846	16584		0
AC67152-001	1	SMP	12:55	12	HG-SOIL	SOIL	SOIL	SW846	16584		0
AC67152-002	1	SMP	12:56	13	HG-SOIL	SOIL	SOIL	SW846	16584		0
AC67152-004	1	SMP	12:58	14	HG-SOIL	SOIL	SOIL	SW846	16584		0
AC67152-005	1	SMP	13:00	15	HG-SOIL	SOIL	SOIL	SW846	16584		0
AC67152-006	1	SMP	13:01	16	HG-SOIL	SOIL	SOIL	SW846	16584		0
AC67152-007	1	SMP	13:03	17	HG-SOIL	SOIL	SOIL	SW846	16584		0
AC67152-008	1	SMP	13:04	18	HG-SOIL	SOIL	SOIL	SW846	16584		0
AC67152-009	1	SMP	13:06	19	HG-SOIL	SOIL	SOIL	SW846	16584		0
AC67160-002	1	SMP	13:07	20	HG-SOIL	SOIL	SOIL	SW846	16584		0
CCV	1	CCV	13:09	21							0
CCB	1	CCB	13:10	22							0
AC67160-003	1	SMP	13:12	23	HG-SOIL	SOIL	SOIL	SW846	16584		0
AC67160-004	1	SMP	13:13	24	HG-SOIL	SOIL	SOIL	SW846	16584		0
AC67140-001	1	SMP	13:15	25	HG-SOIL	SOIL	SOIL	SW846	16584		0
AC67140-002	1	SMP	13:16	26	HG-SOIL	SOIL	SOIL	SW846	16584		0
AC67140-003	1	SMP	13:18	27	HG-SOIL	SOIL	SOIL	SW846	16584		0
AC67160-001	1	SMP	13:19	28	HG-SOIL	SOIL	SOIL	SW846	16584		0
BLANK	1	SMP	13:21	29		SOIL	SOIL	SW846	16584		0
CCV	1	CCV	13:23	30							0
CCB	1	CCB	13:24	31							0

Comments/Reviewedby:

carmela
192.168.1.89 7/25/2012 2:08:04 PM

OK

7/27/12

Standard/Batch/SnCl2 Lot #:

V-146390

Wet Chemistry Data

VERITECH Wet Chem Form1 Analysis Summary
% Solids

TestGroupName: % Solids SM2540G **Project #: 2071832**

TestGroup: %SOLIDS

Lab#	Client SampleID	Matrix	Dilution:	Result	Units:	RL	Prep Date	Analysis Date	Received Date	Collect Date
AC67152-001	MW-1 A	Soil	1	93	Percent			07/20/12	07/18/12	07/16/12
AC67152-002	MW-2 A	Soil	1	92	Percent			07/20/12	07/18/12	07/16/12
AC67152-003	MW-3 A	Soil	1	90	Percent			07/20/12	07/18/12	07/17/12
AC67152-004	MW-4 A	Soil	1	89	Percent			07/20/12	07/18/12	07/17/12
AC67152-005	MW-1 B	Soil	1	79	Percent			07/20/12	07/18/12	07/16/12
AC67152-006	MW-2 B	Soil	1	96	Percent			07/20/12	07/18/12	07/16/12
AC67152-007	MW-3 B	Soil	1	92	Percent			07/20/12	07/18/12	07/17/12
AC67152-008	MW-4 B	Soil	1	91	Percent			07/20/12	07/18/12	07/17/12
AC67152-009	MW-4A (DUP)	Soil	1	91	Percent			07/20/12	07/18/12	07/17/12

% Solids Report

Analysis Type: SOLIDS-SS
BatchID: SOLIDS-SS-994

QcType	SampleID:	Rounded Result	Raw Result	Units	Tare Weight	Wet Weight	Dry Weight	Analysis Date	Analyzed By	QC RPD	Rpd Limit
DUP	AC67136-002	89	89.46841	Percent	1.06	11.03	10.00	07/20/12	janee	0.07	5
Sample	AC67136-001	77	76.53986	Percent	1.06	12.10	9.50	07/20/12	janee		
Sample	AC67136-002	89	89.40541	Percent	1.06	10.31	9.33	07/20/12	janee		
Sample	AC67136-003	74	74.40000	Percent	1.06	11.06	8.50	07/20/12	janee		
Sample	AC67136-004	78	78.20636	Percent	1.06	11.43	9.17	07/20/12	janee		
Sample	AC67136-005	77	76.64618	Percent	1.06	12.45	9.80	07/20/12	janee		
Sample	AC67140-001	70	70.35491	Percent	1.05	10.63	7.77	07/20/12	janee		
Sample	AC67140-002	68	68.04435	Percent	1.05	10.97	7.79	07/20/12	janee		
Sample	AC67140-003	70	69.78193	Percent	1.05	10.68	7.76	07/20/12	janee		
Sample	AC67147-001	87	86.98955	Percent	1.06	11.59	10.20	07/20/12	janee		
Sample	AC67150-001	88	88.07763	Percent	1.06	11.88	10.58	07/20/12	janee		
Sample	AC67150-002	89	89.05380	Percent	1.04	11.82	10.63	07/20/12	janee		
Sample	AC67150-003	89	89.11628	Percent	1.05	11.80	10.63	07/20/12	janee		
Sample	AC67152-001	93	93.43665	Percent	1.06	12.03	11.30	07/20/12	janee		
Sample	AC67152-002	92	92.39437	Percent	1.04	11.69	10.87	07/20/12	janee		
Sample	AC67152-003	90	89.89796	Percent	1.06	10.86	9.86	07/20/12	janee		
Sample	AC67152-004	89	89.29633	Percent	1.06	11.15	10.05	07/20/12	janee		
Sample	AC67152-005	79	78.99008	Percent	1.05	12.14	9.80	07/20/12	janee		
Sample	AC67152-006	96	95.79046	Percent	1.06	11.75	11.28	07/20/12	janee		
Sample	AC67152-007	92	92.11538	Percent	1.05	11.45	10.61	07/20/12	janee		
Sample	AC67152-008	91	91.12595	Percent	1.06	11.54	10.59	07/20/12	janee		

* - Indicates Failed Rpd Criteria

% Solids Report

Analysis Type: SOLIDS-SS
BatchID: SOLIDS-SS-995

QcType	SampleID:	Rounded Result	Raw Result	Units	Tare Weight	Wet Weight	Dry Weight	Analysis Date	Analyzed By	QC RPD	Rpd Limit
DUP	AC67152-009	91	90.76465	Percent	1.05	11.12	10.19	07/20/12	janee	0.4	5
Sample	AC67040-009	89	89.00524	Percent	1.05	10.60	9.55	07/20/12	janee		
Sample	AC67040-012	91	91.18511	Percent	1.08	11.29	10.40	07/20/12	janee		
Sample	AC67152-009	91	91.12979	Percent	1.07	11.78	10.84	07/20/12	janee		
Sample	AC67157-001	75	75.16843	Percent	1.06	11.45	8.88	07/20/12	janee		
Sample	AC67157-002	59	58.82353	Percent	1.07	10.42	6.58	07/20/12	janee		
Sample	AC67157-003	79	79.17466	Percent	1.07	11.49	9.31	07/20/12	janee		
Sample	AC67157-004	81	80.78431	Percent	1.06	11.26	9.30	07/20/12	janee		
Sample	AC67157-005	74	73.70031	Percent	1.06	10.87	8.30	07/20/12	janee		
Sample	AC67159-001	97	96.52510	Percent	1.06	11.42	11.06	07/20/12	janee		
Sample	AC67159-002	96	95.56025	Percent	1.07	10.53	10.10	07/20/12	janee		
Sample	AC67159-003	99	98.66785	Percent	1.07	12.33	12.20	07/20/12	janee		
Sample	AC67159-004	96	96.10390	Percent	1.04	11.82	11.40	07/20/12	janee		
Sample	AC67159-005	91	90.73359	Percent	1.05	11.41	10.44	07/20/12	janee		
Sample	AC67160-001	92	91.64265	Percent	1.05	11.46	10.60	07/20/12	janee		
Sample	AC67160-002	89	89.32642	Percent	1.05	10.70	9.67	07/20/12	janee		
Sample	AC67160-003	90	90.29918	Percent	1.05	12.08	11.03	07/20/12	janee		
Sample	AC67160-004	92	91.77694	Percent	1.05	11.63	10.77	07/20/12	janee		
Sample	AC67168-001	78	77.52248	Percent	1.07	11.08	8.84	07/20/12	janee		
Sample	AC67168-002	91	90.96706	Percent	1.06	10.47	9.62	07/20/12	janee		
Sample	AC67171-001	80	80.34783	Percent	1.07	12.57	10.31	07/20/12	janee		

* - Indicates Failed Rpd Criteria

HC·V
HAMPTONCLARKE·VERITECH

Last Page of Report

ANALYTICAL REPORT

Lab Number:	L1219981
Client:	Whitestone Associates, Inc. 35 Technology Drive Warren, NJ 07059
ATTN:	Chris Seib
Phone:	(908) 668-7777
Project Name:	EJ1111829.002
Project Number:	EJ1111829.002
Report Date:	11/12/12

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1219981
Report Date: 11/12/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1219981-01	S-1	BRONX, NY	11/05/12 08:15
L1219981-02	S-2	BRONX, NY	11/05/12 08:30
L1219981-03	S-3	BRONX, NY	11/05/12 08:45
L1219981-04	S-4	BRONX, NY	11/05/12 09:00
L1219981-05	S-5	BRONX, NY	11/05/12 09:15
L1219981-06	S-6	BRONX, NY	11/05/12 09:30
L1219981-07	S-7	BRONX, NY	11/05/12 09:45
L1219981-08	S-8	BRONX, NY	11/05/12 10:00
L1219981-09	S-1(D)	BRONX, NY	11/05/12 08:15

Project Name: EJ1111829.002 **Lab Number:** L1219981
Project Number: EJ1111829.002 **Report Date:** 11/12/12

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	EJ1111829.002	**Lab Number:**	L1219981
Project Number:	EJ1111829.002	**Report Date:**	11/12/12

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth Simmons

Title: Technical Director/Representative

Date: 11/12/12

ORGANICS

VOLATILES

Project Name: EJ1111829.002 **Lab Number:** L1219981

Project Number: EJ1111829.002 **Report Date:** 11/12/12

SAMPLE RESULTS

Lab ID:	L1219981-01	Date Collected:	11/05/12 08:15
Client ID:	S-1	Date Received:	11/05/12
Sample Location:	BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	11/06/12 18:01		
Analyst:	BN		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	2.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.32	1
Chloroform	ND		ug/kg	1.6	0.35	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
1,2-Dichloropropane	ND		ug/kg	3.8	0.28	1
Dibromochloromethane	ND		ug/kg	1.1	0.33	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.43	1
Tetrachloroethene	5.1		ug/kg	1.1	0.33	1
Chlorobenzene	ND		ug/kg	1.1	0.20	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.42	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.29	1
Bromodichloromethane	ND		ug/kg	1.1	0.42	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.33	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1
1,1-Dichloropropene	ND		ug/kg	5.4	0.50	1
Bromoform	ND		ug/kg	4.3	0.54	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.26	1
Benzene	ND		ug/kg	1.1	0.32	1
Toluene	2.2		ug/kg	1.6	0.26	1
Ethylbenzene	ND		ug/kg	1.1	0.24	1
Chloromethane	ND		ug/kg	5.4	0.85	1
Bromomethane	ND		ug/kg	2.2	0.70	1
Vinyl chloride	ND		ug/kg	2.2	0.82	1
Chloroethane	ND		ug/kg	2.2	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.42	1
Trichloroethene	23		ug/kg	1.1	0.24	1
1,2-Dichlorobenzene	ND		ug/kg	5.4	0.40	1
1,3-Dichlorobenzene	ND		ug/kg	5.4	0.43	1
1,4-Dichlorobenzene	ND		ug/kg	5.4	0.46	1

Project Name: EJ1111829.002 **Lab Number:** L1219981

Project Number: EJ1111829.002 **Report Date:** 11/12/12

SAMPLE RESULTS

Lab ID: L1219981-01 Date Collected: 11/05/12 08:15

Client ID: S-1 Date Received: 11/05/12

Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.2	0.53	1
p/m-Xylene	ND		ug/kg	2.2	0.47	1
o-Xylene	ND		ug/kg	2.2	0.45	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.33	1
Dibromomethane	ND		ug/kg	11	0.47	1
Styrene	ND		ug/kg	2.2	0.79	1
Dichlorodifluoromethane	ND		ug/kg	11	0.42	1
Acetone	ND		ug/kg	11	3.5	1
Carbon disulfide	ND		ug/kg	11	0.41	1
2-Butanone	ND		ug/kg	11	4.2	1
Vinyl acetate	ND		ug/kg	11	0.82	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.89	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.42	1
2-Hexanone	ND		ug/kg	11	0.43	1
Bromochloromethane	ND		ug/kg	5.4	0.33	1
2,2-Dichloropropane	ND		ug/kg	5.4	0.86	1
1,2-Dibromoethane	ND		ug/kg	4.3	0.44	1
1,3-Dichloropropane	ND		ug/kg	5.4	0.61	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.36	1
Bromobenzene	ND		ug/kg	5.4	0.24	1
n-Butylbenzene	ND		ug/kg	1.1	0.34	1
sec-Butylbenzene	ND		ug/kg	1.1	0.30	1
tert-Butylbenzene	ND		ug/kg	5.4	0.66	1
o-Chlorotoluene	ND		ug/kg	5.4	0.34	1
p-Chlorotoluene	ND		ug/kg	5.4	0.39	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.4	0.91	1
Hexachlorobutadiene	ND		ug/kg	5.4	0.50	1
Isopropylbenzene	ND		ug/kg	1.1	0.19	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.30	1
Naphthalene	ND		ug/kg	5.4	0.84	1
Acrylonitrile	ND		ug/kg	11	0.41	1
n-Propylbenzene	ND		ug/kg	1.1	0.31	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.4	0.44	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.4	0.86	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.4	0.65	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.4	0.62	1
1,4-Dioxane	ND		ug/kg	110	19.	1
1,4-Diethylbenzene	ND		ug/kg	4.3	0.22	1
4-Ethyltoluene	ND		ug/kg	4.3	0.10	1

Project Name: EJ1111829.002 **Lab Number:** L1219981

Project Number: EJ1111829.002 **Report Date:** 11/12/12

SAMPLE RESULTS

Lab ID:	L1219981-01	Date Collected:	11/05/12 08:15
Client ID:	S-1	Date Received:	11/05/12
Sample Location:	BRONX, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.3	0.20	1
Ethyl ether	ND		ug/kg	5.4	0.41	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	127		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	112		70-130

Project Name: EJ1111829.002 **Lab Number:** L1219981

Project Number: EJ1111829.002 **Report Date:** 11/12/12

SAMPLE RESULTS

Lab ID:	L1219981-02	Date Collected:	11/05/12 08:30
Client ID:	S-2	Date Received:	11/05/12
Sample Location:	BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	11/06/12 18:36		
Analyst:	BN		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	2.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.32	1
Chloroform	ND		ug/kg	1.6	0.36	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
1,2-Dichloropropane	ND		ug/kg	3.8	0.28	1
Dibromochloromethane	ND		ug/kg	1.1	0.34	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.43	1
Tetrachloroethene	ND		ug/kg	1.1	0.34	1
Chlorobenzene	ND		ug/kg	1.1	0.20	1
Trichlorofluoromethane	ND		ug/kg	5.5	0.43	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.30	1
Bromodichloromethane	ND		ug/kg	1.1	0.42	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.33	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1
1,1-Dichloropropene	ND		ug/kg	5.5	0.50	1
Bromoform	ND		ug/kg	4.4	0.54	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.26	1
Benzene	ND		ug/kg	1.1	0.33	1
Toluene	6.0		ug/kg	1.6	0.26	1
Ethylbenzene	0.68	J	ug/kg	1.1	0.24	1
Chloromethane	ND		ug/kg	5.5	0.86	1
Bromomethane	ND		ug/kg	2.2	0.71	1
Vinyl chloride	ND		ug/kg	2.2	0.83	1
Chloroethane	ND		ug/kg	2.2	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.43	1
Trichloroethene	2.5		ug/kg	1.1	0.25	1
1,2-Dichlorobenzene	ND		ug/kg	5.5	0.40	1
1,3-Dichlorobenzene	ND		ug/kg	5.5	0.44	1
1,4-Dichlorobenzene	ND		ug/kg	5.5	0.46	1

Project Name: EJ1111829.002 **Lab Number:** L1219981

Project Number: EJ1111829.002 **Report Date:** 11/12/12

SAMPLE RESULTS

Lab ID: L1219981-02 Date Collected: 11/05/12 08:30

Client ID: S-2 Date Received: 11/05/12

Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.2	0.54	1
p/m-Xylene	3.2		ug/kg	2.2	0.47	1
o-Xylene	1.4	J	ug/kg	2.2	0.46	1
cis-1,2-Dichloroethene	0.61	J	ug/kg	1.1	0.33	1
Dibromomethane	ND		ug/kg	11	0.48	1
Styrene	ND		ug/kg	2.2	0.80	1
Dichlorodifluoromethane	ND		ug/kg	11	0.43	1
Acetone	ND		ug/kg	11	3.6	1
Carbon disulfide	ND		ug/kg	11	0.41	1
2-Butanone	ND		ug/kg	11	4.3	1
Vinyl acetate	ND		ug/kg	11	0.82	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.90	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.42	1
2-Hexanone	ND		ug/kg	11	0.44	1
Bromochloromethane	ND		ug/kg	5.5	0.33	1
2,2-Dichloropropane	ND		ug/kg	5.5	0.87	1
1,2-Dibromoethane	ND		ug/kg	4.4	0.45	1
1,3-Dichloropropane	ND		ug/kg	5.5	0.62	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.36	1
Bromobenzene	ND		ug/kg	5.5	0.24	1
n-Butylbenzene	ND		ug/kg	1.1	0.34	1
sec-Butylbenzene	ND		ug/kg	1.1	0.30	1
tert-Butylbenzene	ND		ug/kg	5.5	0.66	1
o-Chlorotoluene	ND		ug/kg	5.5	0.34	1
p-Chlorotoluene	ND		ug/kg	5.5	0.40	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.5	0.92	1
Hexachlorobutadiene	ND		ug/kg	5.5	0.50	1
Isopropylbenzene	ND		ug/kg	1.1	0.19	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.30	1
Naphthalene	ND		ug/kg	5.5	0.84	1
Acrylonitrile	ND		ug/kg	11	0.41	1
n-Propylbenzene	ND		ug/kg	1.1	0.31	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.5	0.44	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.5	0.87	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.5	0.66	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.5	0.63	1
1,4-Dioxane	ND		ug/kg	110	19.	1
1,4-Diethylbenzene	ND		ug/kg	4.4	0.22	1
4-Ethyltoluene	ND		ug/kg	4.4	0.11	1

Project Name: EJ1111829.002 **Lab Number:** L1219981

Project Number: EJ1111829.002 **Report Date:** 11/12/12

SAMPLE RESULTS

Lab ID:	L1219981-02	Date Collected:	11/05/12 08:30
Client ID:	S-2	Date Received:	11/05/12
Sample Location:	BRONX, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.4	0.20	1
Ethyl ether	ND		ug/kg	5.5	0.42	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.5	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	130		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	113		70-130

Project Name: EJ1111829.002 **Lab Number:** L1219981

Project Number: EJ1111829.002 **Report Date:** 11/12/12

SAMPLE RESULTS

Lab ID:	L1219981-03	Date Collected:	11/05/12 08:45
Client ID:	S-3	Date Received:	11/05/12
Sample Location:	BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	11/06/12 19:10		
Analyst:	BN		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	2.2	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.33	1
Chloroform	ND		ug/kg	1.7	0.36	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	3.9	0.29	1
Dibromochloromethane	ND		ug/kg	1.1	0.34	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.44	1
Tetrachloroethene	2.2		ug/kg	1.1	0.34	1
Chlorobenzene	ND		ug/kg	1.1	0.21	1
Trichlorofluoromethane	ND		ug/kg	5.6	0.44	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.30	1
Bromodichloromethane	ND		ug/kg	1.1	0.43	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.34	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
1,1-Dichloropropene	ND		ug/kg	5.6	0.51	1
Bromoform	ND		ug/kg	4.5	0.56	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.27	1
Benzene	ND		ug/kg	1.1	0.33	1
Toluene	290	E	ug/kg	1.7	0.27	1
Ethylbenzene	50		ug/kg	1.1	0.25	1
Chloromethane	ND		ug/kg	5.6	0.88	1
Bromomethane	ND		ug/kg	2.2	0.73	1
Vinyl chloride	13		ug/kg	2.2	0.85	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.29	1
trans-1,2-Dichloroethene	1.8		ug/kg	1.7	0.44	1
Trichloroethene	7.4		ug/kg	1.1	0.25	1
1,2-Dichlorobenzene	ND		ug/kg	5.6	0.41	1
1,3-Dichlorobenzene	ND		ug/kg	5.6	0.45	1
1,4-Dichlorobenzene	ND		ug/kg	5.6	0.47	1

Project Name: EJ1111829.002 **Lab Number:** L1219981

Project Number: EJ1111829.002 **Report Date:** 11/12/12

SAMPLE RESULTS

Lab ID: L1219981-03 Date Collected: 11/05/12 08:45

Client ID: S-3 Date Received: 11/05/12

Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.2	0.55	1
p/m-Xylene	180		ug/kg	2.2	0.48	1
o-Xylene	100		ug/kg	2.2	0.47	1
cis-1,2-Dichloroethene	6.1		ug/kg	1.1	0.34	1
Dibromomethane	ND		ug/kg	11	0.49	1
Styrene	1.7	J	ug/kg	2.2	0.82	1
Dichlorodifluoromethane	ND		ug/kg	11	0.44	1
Acetone	82		ug/kg	11	3.6	1
Carbon disulfide	0.67	J	ug/kg	11	0.42	1
2-Butanone	25		ug/kg	11	4.4	1
Vinyl acetate	ND		ug/kg	11	0.84	1
4-Methyl-2-pentanone	27		ug/kg	11	0.92	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.43	1
2-Hexanone	ND		ug/kg	11	0.44	1
Bromochloromethane	ND		ug/kg	5.6	0.34	1
2,2-Dichloropropane	ND		ug/kg	5.6	0.89	1
1,2-Dibromoethane	ND		ug/kg	4.5	0.46	1
1,3-Dichloropropane	ND		ug/kg	5.6	0.64	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.37	1
Bromobenzene	ND		ug/kg	5.6	0.25	1
n-Butylbenzene	12		ug/kg	1.1	0.35	1
sec-Butylbenzene	8.9		ug/kg	1.1	0.31	1
tert-Butylbenzene	1.3	J	ug/kg	5.6	0.68	1
o-Chlorotoluene	2.9	J	ug/kg	5.6	0.35	1
p-Chlorotoluene	ND		ug/kg	5.6	0.40	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.6	0.94	1
Hexachlorobutadiene	ND		ug/kg	5.6	0.51	1
Isopropylbenzene	4.5		ug/kg	1.1	0.20	1
p-Isopropyltoluene	27		ug/kg	1.1	0.31	1
Naphthalene	3.0	J	ug/kg	5.6	0.86	1
Acrylonitrile	ND		ug/kg	11	0.42	1
n-Propylbenzene	7.8		ug/kg	1.1	0.32	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.6	0.45	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.6	0.89	1
1,3,5-Trimethylbenzene	22		ug/kg	5.6	0.68	1
1,2,4-Trimethylbenzene	45		ug/kg	5.6	0.64	1
1,4-Dioxane	ND		ug/kg	110	20.	1
1,4-Diethylbenzene	30		ug/kg	4.5	0.22	1
4-Ethyltoluene	46		ug/kg	4.5	0.11	1

Project Name: EJ1111829.002 **Lab Number:** L1219981

Project Number: EJ1111829.002 **Report Date:** 11/12/12

SAMPLE RESULTS

Lab ID:	L1219981-03	Date Collected:	11/05/12 08:45
Client ID:	S-3	Date Received:	11/05/12
Sample Location:	BRONX, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	4.7		ug/kg	4.5	0.20	1
Ethyl ether	ND		ug/kg	5.6	0.43	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.6	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	127		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	109		70-130

Project Name: EJ1111829.002 **Lab Number:** L1219981

Project Number: EJ1111829.002 **Report Date:** 11/12/12

SAMPLE RESULTS

Lab ID:	L1219981-03	D	Date Collected:	11/05/12 08:45
Client ID:	S-3		Date Received:	11/05/12
Sample Location:	BRONX, NY		Field Prep:	Not Specified
Matrix:	Soil			
Analytical Method:	1,8260C			
Analytical Date:	11/07/12 23:40			
Analyst:	BN			
Percent Solids:	89%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Toluene	290		ug/kg	8.4	1.4	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	104		70-130

Project Name: EJ1111829.002 **Lab Number:** L1219981

Project Number: EJ1111829.002 **Report Date:** 11/12/12

SAMPLE RESULTS

Lab ID:	L1219981-04	Date Collected:	11/05/12 09:00
Client ID:	S-4	Date Received:	11/05/12
Sample Location:	BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	11/06/12 19:45		
Analyst:	BN		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	2.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.32	1
Chloroform	ND		ug/kg	1.6	0.35	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
1,2-Dichloropropane	ND		ug/kg	3.8	0.28	1
Dibromochloromethane	ND		ug/kg	1.1	0.33	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.43	1
Tetrachloroethene	45		ug/kg	1.1	0.33	1
Chlorobenzene	ND		ug/kg	1.1	0.20	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.42	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.29	1
Bromodichloromethane	ND		ug/kg	1.1	0.42	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.33	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1
1,1-Dichloropropene	ND		ug/kg	5.4	0.50	1
Bromoform	ND		ug/kg	4.3	0.54	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.26	1
Benzene	ND		ug/kg	1.1	0.32	1
Toluene	13		ug/kg	1.6	0.26	1
Ethylbenzene	1.2		ug/kg	1.1	0.24	1
Chloromethane	ND		ug/kg	5.4	0.85	1
Bromomethane	ND		ug/kg	2.2	0.70	1
Vinyl chloride	ND		ug/kg	2.2	0.82	1
Chloroethane	ND		ug/kg	2.2	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.42	1
Trichloroethene	3.3		ug/kg	1.1	0.24	1
1,2-Dichlorobenzene	ND		ug/kg	5.4	0.40	1
1,3-Dichlorobenzene	ND		ug/kg	5.4	0.43	1
1,4-Dichlorobenzene	ND		ug/kg	5.4	0.46	1

Project Name: EJ1111829.002 **Lab Number:** L1219981

Project Number: EJ1111829.002 **Report Date:** 11/12/12

SAMPLE RESULTS

Lab ID: L1219981-04 Date Collected: 11/05/12 09:00

Client ID: S-4 Date Received: 11/05/12

Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.2	0.53	1
p/m-Xylene	4.4		ug/kg	2.2	0.47	1
o-Xylene	1.9	J	ug/kg	2.2	0.45	1
cis-1,2-Dichloroethene	0.80	J	ug/kg	1.1	0.33	1
Dibromomethane	ND		ug/kg	11	0.47	1
Styrene	ND		ug/kg	2.2	0.79	1
Dichlorodifluoromethane	ND		ug/kg	11	0.42	1
Acetone	6.3	J	ug/kg	11	3.5	1
Carbon disulfide	ND		ug/kg	11	0.41	1
2-Butanone	ND		ug/kg	11	4.2	1
Vinyl acetate	ND		ug/kg	11	0.82	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.89	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.42	1
2-Hexanone	ND		ug/kg	11	0.43	1
Bromochloromethane	ND		ug/kg	5.4	0.33	1
2,2-Dichloropropane	ND		ug/kg	5.4	0.86	1
1,2-Dibromoethane	ND		ug/kg	4.3	0.44	1
1,3-Dichloropropane	ND		ug/kg	5.4	0.61	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.36	1
Bromobenzene	ND		ug/kg	5.4	0.24	1
n-Butylbenzene	ND		ug/kg	1.1	0.34	1
sec-Butylbenzene	ND		ug/kg	1.1	0.30	1
tert-Butylbenzene	ND		ug/kg	5.4	0.66	1
o-Chlorotoluene	ND		ug/kg	5.4	0.34	1
p-Chlorotoluene	ND		ug/kg	5.4	0.39	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.4	0.91	1
Hexachlorobutadiene	ND		ug/kg	5.4	0.50	1
Isopropylbenzene	ND		ug/kg	1.1	0.19	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.30	1
Naphthalene	ND		ug/kg	5.4	0.84	1
Acrylonitrile	ND		ug/kg	11	0.41	1
n-Propylbenzene	ND		ug/kg	1.1	0.31	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.4	0.44	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.4	0.86	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.4	0.65	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.4	0.62	1
1,4-Dioxane	ND		ug/kg	110	19.	1
1,4-Diethylbenzene	ND		ug/kg	4.3	0.22	1
4-Ethyltoluene	0.39	J	ug/kg	4.3	0.10	1

Project Name: EJ1111829.002 **Lab Number:** L1219981

Project Number: EJ1111829.002 **Report Date:** 11/12/12

SAMPLE RESULTS

Lab ID:	L1219981-04	Date Collected:	11/05/12 09:00
Client ID:	S-4	Date Received:	11/05/12
Sample Location:	BRONX, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.3	0.20	1
Ethyl ether	ND		ug/kg	5.4	0.41	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	124		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	106		70-130

Project Name: EJ1111829.002 **Lab Number:** L1219981

Project Number: EJ1111829.002 **Report Date:** 11/12/12

SAMPLE RESULTS

Lab ID:	L1219981-05	Date Collected:	11/05/12 09:15
Client ID:	S-5	Date Received:	11/05/12
Sample Location:	BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	11/06/12 20:20		
Analyst:	BN		
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.36	1
Chloroform	0.57	J	ug/kg	1.8	0.40	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
1,2-Dichloropropane	ND		ug/kg	4.3	0.31	1
Dibromochloromethane	ND		ug/kg	1.2	0.38	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.48	1
Tetrachloroethene	420	E	ug/kg	1.2	0.38	1
Chlorobenzene	ND		ug/kg	1.2	0.23	1
Trichlorofluoromethane	ND		ug/kg	6.2	0.48	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.33	1
Bromodichloromethane	ND		ug/kg	1.2	0.48	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.37	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.33	1
1,1-Dichloropropene	ND		ug/kg	6.2	0.56	1
Bromoform	ND		ug/kg	4.9	0.61	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.30	1
Benzene	ND		ug/kg	1.2	0.37	1
Toluene	0.35	J	ug/kg	1.8	0.30	1
Ethylbenzene	ND		ug/kg	1.2	0.27	1
Chloromethane	ND		ug/kg	6.2	0.97	1
Bromomethane	ND		ug/kg	2.5	0.80	1
Vinyl chloride	ND		ug/kg	2.5	0.93	1
Chloroethane	ND		ug/kg	2.5	0.54	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.32	1
trans-1,2-Dichloroethene	1.7	J	ug/kg	1.8	0.48	1
Trichloroethene	150		ug/kg	1.2	0.28	1
1,2-Dichlorobenzene	ND		ug/kg	6.2	0.45	1
1,3-Dichlorobenzene	ND		ug/kg	6.2	0.49	1
1,4-Dichlorobenzene	ND		ug/kg	6.2	0.52	1

Project Name: EJ1111829.002 **Lab Number:** L1219981

Project Number: EJ1111829.002 **Report Date:** 11/12/12

SAMPLE RESULTS

Lab ID: L1219981-05 Date Collected: 11/05/12 09:15

Client ID: S-5 Date Received: 11/05/12

Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.5	0.60	1
p/m-Xylene	ND		ug/kg	2.5	0.53	1
o-Xylene	ND		ug/kg	2.5	0.52	1
cis-1,2-Dichloroethene	130		ug/kg	1.2	0.37	1
Dibromomethane	ND		ug/kg	12	0.54	1
Styrene	ND		ug/kg	2.5	0.90	1
Dichlorodifluoromethane	ND		ug/kg	12	0.48	1
Acetone	ND		ug/kg	12	4.0	1
Carbon disulfide	ND		ug/kg	12	0.46	1
2-Butanone	ND		ug/kg	12	4.8	1
Vinyl acetate	ND		ug/kg	12	0.93	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.0	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.48	1
2-Hexanone	ND		ug/kg	12	0.49	1
Bromochloromethane	ND		ug/kg	6.2	0.37	1
2,2-Dichloropropane	ND		ug/kg	6.2	0.98	1
1,2-Dibromoethane	ND		ug/kg	4.9	0.50	1
1,3-Dichloropropane	ND		ug/kg	6.2	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.40	1
Bromobenzene	ND		ug/kg	6.2	0.27	1
n-Butylbenzene	ND		ug/kg	1.2	0.39	1
sec-Butylbenzene	ND		ug/kg	1.2	0.34	1
tert-Butylbenzene	ND		ug/kg	6.2	0.74	1
o-Chlorotoluene	ND		ug/kg	6.2	0.39	1
p-Chlorotoluene	ND		ug/kg	6.2	0.44	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.2	1.0	1
Hexachlorobutadiene	ND		ug/kg	6.2	0.56	1
Isopropylbenzene	ND		ug/kg	1.2	0.22	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.34	1
Naphthalene	ND		ug/kg	6.2	0.95	1
Acrylonitrile	ND		ug/kg	12	0.46	1
n-Propylbenzene	ND		ug/kg	1.2	0.35	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.2	0.50	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.2	0.98	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.2	0.74	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.2	0.71	1
1,4-Dioxane	ND		ug/kg	120	21.	1
1,4-Diethylbenzene	ND		ug/kg	4.9	0.25	1
4-Ethyltoluene	ND		ug/kg	4.9	0.12	1

Project Name: EJ1111829.002 **Lab Number:** L1219981

Project Number: EJ1111829.002 **Report Date:** 11/12/12

SAMPLE RESULTS

Lab ID:	L1219981-05	Date Collected:	11/05/12 09:15
Client ID:	S-5	Date Received:	11/05/12
Sample Location:	BRONX, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.9	0.22	1
Ethyl ether	ND		ug/kg	6.2	0.47	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.2	1.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	130		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	117		70-130
Dibromofluoromethane	109		70-130

Project Name: EJ1111829.002 **Lab Number:** L1219981

Project Number: EJ1111829.002 **Report Date:** 11/12/12

SAMPLE RESULTS

Lab ID:	L1219981-05	D	Date Collected:	11/05/12 09:15
Client ID:	S-5		Date Received:	11/05/12
Sample Location:	BRONX, NY		Field Prep:	Not Specified
Matrix:	Soil			
Analytical Method:	1,8260C			
Analytical Date:	11/08/12 00:16			
Analyst:	BN			
Percent Solids:	81%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tetrachloroethene	1100		ug/kg	6.2	1.9	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	102		70-130

Project Name: EJ1111829.002 **Lab Number:** L1219981

Project Number: EJ1111829.002 **Report Date:** 11/12/12

SAMPLE RESULTS

Lab ID:	L1219981-06	Date Collected:	11/05/12 09:30
Client ID:	S-6	Date Received:	11/05/12
Sample Location:	BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	11/08/12 00:52		
Analyst:	BN		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.34	1
Chloroform	ND		ug/kg	1.7	0.37	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.0	0.29	1
Dibromochloromethane	ND		ug/kg	1.1	0.35	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.45	1
Tetrachloroethene	3.3		ug/kg	1.1	0.35	1
Chlorobenzene	ND		ug/kg	1.1	0.21	1
Trichlorofluoromethane	ND		ug/kg	5.7	0.45	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.31	1
Bromodichloromethane	ND		ug/kg	1.1	0.44	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.34	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.31	1
1,1-Dichloropropene	ND		ug/kg	5.7	0.52	1
Bromoform	ND		ug/kg	4.6	0.57	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.28	1
Benzene	ND		ug/kg	1.1	0.34	1
Toluene	ND		ug/kg	1.7	0.28	1
Ethylbenzene	ND		ug/kg	1.1	0.25	1
Chloromethane	ND		ug/kg	5.7	0.90	1
Bromomethane	ND		ug/kg	2.3	0.74	1
Vinyl chloride	ND		ug/kg	2.3	0.86	1
Chloroethane	ND		ug/kg	2.3	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.30	1
trans-1,2-Dichloroethene	0.50	J	ug/kg	1.7	0.45	1
Trichloroethene	14		ug/kg	1.1	0.26	1
1,2-Dichlorobenzene	ND		ug/kg	5.7	0.42	1
1,3-Dichlorobenzene	ND		ug/kg	5.7	0.46	1
1,4-Dichlorobenzene	ND		ug/kg	5.7	0.48	1

Project Name: EJ1111829.002 **Lab Number:** L1219981

Project Number: EJ1111829.002 **Report Date:** 11/12/12

SAMPLE RESULTS

Lab ID: L1219981-06 Date Collected: 11/05/12 09:30

Client ID: S-6 Date Received: 11/05/12

Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.3	0.56	1
p/m-Xylene	ND		ug/kg	2.3	0.49	1
o-Xylene	0.51	J	ug/kg	2.3	0.48	1
cis-1,2-Dichloroethene	5.8		ug/kg	1.1	0.35	1
Dibromomethane	ND		ug/kg	11	0.50	1
Styrene	ND		ug/kg	2.3	0.83	1
Dichlorodifluoromethane	ND		ug/kg	11	0.45	1
Acetone	ND		ug/kg	11	3.7	1
Carbon disulfide	ND		ug/kg	11	0.43	1
2-Butanone	ND		ug/kg	11	4.4	1
Vinyl acetate	ND		ug/kg	11	0.86	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.94	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.44	1
2-Hexanone	ND		ug/kg	11	0.46	1
Bromochloromethane	ND		ug/kg	5.7	0.35	1
2,2-Dichloropropane	ND		ug/kg	5.7	0.91	1
1,2-Dibromoethane	ND		ug/kg	4.6	0.47	1
1,3-Dichloropropane	ND		ug/kg	5.7	0.65	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.38	1
Bromobenzene	ND		ug/kg	5.7	0.25	1
n-Butylbenzene	ND		ug/kg	1.1	0.36	1
sec-Butylbenzene	ND		ug/kg	1.1	0.32	1
tert-Butylbenzene	ND		ug/kg	5.7	0.69	1
o-Chlorotoluene	ND		ug/kg	5.7	0.36	1
p-Chlorotoluene	ND		ug/kg	5.7	0.41	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.7	0.96	1
Hexachlorobutadiene	ND		ug/kg	5.7	0.53	1
Isopropylbenzene	ND		ug/kg	1.1	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.31	1
Naphthalene	ND		ug/kg	5.7	0.88	1
Acrylonitrile	ND		ug/kg	11	0.43	1
n-Propylbenzene	ND		ug/kg	1.1	0.33	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.7	0.46	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.7	0.91	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.7	0.69	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.7	0.66	1
1,4-Dioxane	ND		ug/kg	110	20.	1
1,4-Diethylbenzene	ND		ug/kg	4.6	0.23	1
4-Ethyltoluene	ND		ug/kg	4.6	0.11	1

Project Name: EJ1111829.002 **Lab Number:** L1219981

Project Number: EJ1111829.002 **Report Date:** 11/12/12

SAMPLE RESULTS

Lab ID:	L1219981-06	Date Collected:	11/05/12 09:30
Client ID:	S-6	Date Received:	11/05/12
Sample Location:	BRONX, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.6	0.21	1
Ethyl ether	ND		ug/kg	5.7	0.44	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.7	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	102		70-130

Project Name: EJ1111829.002 **Lab Number:** L1219981

Project Number: EJ1111829.002 **Report Date:** 11/12/12

SAMPLE RESULTS

Lab ID:	L1219981-07	D	Date Collected:	11/05/12 09:45
Client ID:	S-7		Date Received:	11/05/12
Sample Location:	BRONX, NY		Field Prep:	Not Specified
Matrix:	Soil			
Analytical Method:	1,8260C			
Analytical Date:	11/08/12 02:05			
Analyst:	BN			
Percent Solids:	88%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	1100	230	100
1,1-Dichloroethane	ND		ug/kg	170	34.	100
Chloroform	ND		ug/kg	170	37.	100
Carbon tetrachloride	ND		ug/kg	110	24.	100
1,2-Dichloropropane	ND		ug/kg	400	29.	100
Dibromochloromethane	ND		ug/kg	110	35.	100
1,1,2-Trichloroethane	ND		ug/kg	170	45.	100
Tetrachloroethene	ND		ug/kg	110	35.	100
Chlorobenzene	ND		ug/kg	110	21.	100
Trichlorofluoromethane	ND		ug/kg	570	44.	100
1,2-Dichloroethane	ND		ug/kg	110	26.	100
1,1,1-Trichloroethane	ND		ug/kg	110	31.	100
Bromodichloromethane	ND		ug/kg	110	44.	100
trans-1,3-Dichloropropene	ND		ug/kg	110	34.	100
cis-1,3-Dichloropropene	ND		ug/kg	110	30.	100
1,1-Dichloropropene	ND		ug/kg	570	52.	100
Bromoform	ND		ug/kg	450	56.	100
1,1,2,2-Tetrachloroethane	ND		ug/kg	110	27.	100
Benzene	ND		ug/kg	110	34.	100
Toluene	ND		ug/kg	170	27.	100
Ethylbenzene	350		ug/kg	110	25.	100
Chloromethane	ND		ug/kg	570	89.	100
Bromomethane	ND		ug/kg	230	74.	100
Vinyl chloride	ND		ug/kg	230	86.	100
Chloroethane	ND		ug/kg	230	50.	100
1,1-Dichloroethene	ND		ug/kg	110	30.	100
trans-1,2-Dichloroethene	ND		ug/kg	170	44.	100
Trichloroethene	39	J	ug/kg	110	25.	100
1,2-Dichlorobenzene	ND		ug/kg	570	41.	100
1,3-Dichlorobenzene	ND		ug/kg	570	45.	100
1,4-Dichlorobenzene	ND		ug/kg	570	48.	100

Project Name: EJ1111829.002 **Lab Number:** L1219981

Project Number: EJ1111829.002 **Report Date:** 11/12/12

SAMPLE RESULTS

Lab ID: L1219981-07 D Date Collected: 11/05/12 09:45
Client ID: S-7 Date Received: 11/05/12
Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	230	55.	100
p/m-Xylene	460		ug/kg	230	49.	100
o-Xylene	94	J	ug/kg	230	47.	100
cis-1,2-Dichloroethene	ND		ug/kg	110	34.	100
Dibromomethane	ND		ug/kg	1100	49.	100
Styrene	ND		ug/kg	230	82.	100
Dichlorodifluoromethane	ND		ug/kg	1100	44.	100
Acetone	ND		ug/kg	1100	370	100
Carbon disulfide	ND		ug/kg	1100	43.	100
2-Butanone	ND		ug/kg	1100	440	100
Vinyl acetate	ND		ug/kg	1100	85.	100
4-Methyl-2-pentanone	ND		ug/kg	1100	93.	100
1,2,3-Trichloropropane	ND		ug/kg	1100	44.	100
2-Hexanone	ND		ug/kg	1100	45.	100
Bromochloromethane	ND		ug/kg	570	34.	100
2,2-Dichloropropane	ND		ug/kg	570	90.	100
1,2-Dibromoethane	ND		ug/kg	450	46.	100
1,3-Dichloropropane	ND		ug/kg	570	64.	100
1,1,1,2-Tetrachloroethane	ND		ug/kg	110	37.	100
Bromobenzene	ND		ug/kg	570	25.	100
n-Butylbenzene	ND		ug/kg	110	36.	100
sec-Butylbenzene	160		ug/kg	110	31.	100
tert-Butylbenzene	ND		ug/kg	570	68.	100
o-Chlorotoluene	960		ug/kg	570	36.	100
p-Chlorotoluene	ND		ug/kg	570	41.	100
1,2-Dibromo-3-chloropropane	ND		ug/kg	570	95.	100
Hexachlorobutadiene	ND		ug/kg	570	52.	100
Isopropylbenzene	350		ug/kg	110	20.	100
p-Isopropyltoluene	2100		ug/kg	110	31.	100
Naphthalene	110	J	ug/kg	570	87.	100
Acrylonitrile	ND		ug/kg	1100	43.	100
n-Propylbenzene	1200		ug/kg	110	32.	100
1,2,3-Trichlorobenzene	ND		ug/kg	570	46.	100
1,2,4-Trichlorobenzene	ND		ug/kg	570	90.	100
1,3,5-Trimethylbenzene	7100		ug/kg	570	68.	100
1,2,4-Trimethylbenzene	6100		ug/kg	570	65.	100
1,4-Dioxane	ND		ug/kg	11000	2000	100
1,4-Diethylbenzene	12000		ug/kg	450	23.	100
4-Ethyltoluene	9400		ug/kg	450	11.	100

Project Name: EJ1111829.002 **Lab Number:** L1219981

Project Number: EJ1111829.002 **Report Date:** 11/12/12

SAMPLE RESULTS

Lab ID:	L1219981-07	D	Date Collected:	11/05/12 09:45
Client ID:	S-7		Date Received:	11/05/12
Sample Location:	BRONX, NY		Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	630		ug/kg	450	20.	100
Ethyl ether	ND		ug/kg	570	43.	100
trans-1,4-Dichloro-2-butene	ND		ug/kg	570	170	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	116		70-130
Dibromofluoromethane	94		70-130

Project Name: EJ1111829.002 **Lab Number:** L1219981

Project Number: EJ1111829.002 **Report Date:** 11/12/12

SAMPLE RESULTS

Lab ID:	L1219981-08	Date Collected:	11/05/12 10:00
Client ID:	S-8	Date Received:	11/05/12
Sample Location:	BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	11/10/12 17:39		
Analyst:	BN		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	2.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.32	1
Chloroform	ND		ug/kg	1.6	0.35	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
1,2-Dichloropropane	ND		ug/kg	3.8	0.28	1
Dibromochloromethane	ND		ug/kg	1.1	0.33	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.43	1
Tetrachloroethene	ND		ug/kg	1.1	0.33	1
Chlorobenzene	ND		ug/kg	1.1	0.20	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.42	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.29	1
Bromodichloromethane	ND		ug/kg	1.1	0.42	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.33	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1
1,1-Dichloropropene	ND		ug/kg	5.4	0.50	1
Bromoform	ND		ug/kg	4.3	0.54	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.26	1
Benzene	ND		ug/kg	1.1	0.32	1
Toluene	ND		ug/kg	1.6	0.26	1
Ethylbenzene	ND		ug/kg	1.1	0.24	1
Chloromethane	ND		ug/kg	5.4	0.85	1
Bromomethane	ND		ug/kg	2.2	0.70	1
Vinyl chloride	ND		ug/kg	2.2	0.82	1
Chloroethane	ND		ug/kg	2.2	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.42	1
Trichloroethene	ND		ug/kg	1.1	0.24	1
1,2-Dichlorobenzene	ND		ug/kg	5.4	0.40	1
1,3-Dichlorobenzene	ND		ug/kg	5.4	0.43	1
1,4-Dichlorobenzene	ND		ug/kg	5.4	0.46	1

Project Name: EJ1111829.002 **Lab Number:** L1219981

Project Number: EJ1111829.002 **Report Date:** 11/12/12

SAMPLE RESULTS

Lab ID: L1219981-08 Date Collected: 11/05/12 10:00

Client ID: S-8 Date Received: 11/05/12

Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.2	0.53	1
p/m-Xylene	ND		ug/kg	2.2	0.47	1
o-Xylene	ND		ug/kg	2.2	0.45	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.33	1
Dibromomethane	ND		ug/kg	11	0.47	1
Styrene	ND		ug/kg	2.2	0.79	1
Dichlorodifluoromethane	ND		ug/kg	11	0.42	1
Acetone	ND		ug/kg	11	3.5	1
Carbon disulfide	ND		ug/kg	11	0.41	1
2-Butanone	ND		ug/kg	11	4.2	1
Vinyl acetate	ND		ug/kg	11	0.82	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.89	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.42	1
2-Hexanone	ND		ug/kg	11	0.43	1
Bromochloromethane	ND		ug/kg	5.4	0.33	1
2,2-Dichloropropane	ND		ug/kg	5.4	0.86	1
1,2-Dibromoethane	ND		ug/kg	4.3	0.44	1
1,3-Dichloropropane	ND		ug/kg	5.4	0.61	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.36	1
Bromobenzene	ND		ug/kg	5.4	0.24	1
n-Butylbenzene	ND		ug/kg	1.1	0.34	1
sec-Butylbenzene	ND		ug/kg	1.1	0.30	1
tert-Butylbenzene	ND		ug/kg	5.4	0.66	1
o-Chlorotoluene	ND		ug/kg	5.4	0.34	1
p-Chlorotoluene	ND		ug/kg	5.4	0.39	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.4	0.91	1
Hexachlorobutadiene	ND		ug/kg	5.4	0.50	1
Isopropylbenzene	ND		ug/kg	1.1	0.19	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.30	1
Naphthalene	ND		ug/kg	5.4	0.84	1
Acrylonitrile	ND		ug/kg	11	0.41	1
n-Propylbenzene	ND		ug/kg	1.1	0.31	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.4	0.44	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.4	0.86	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.4	0.65	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.4	0.62	1
1,4-Dioxane	ND		ug/kg	110	19.	1
1,4-Diethylbenzene	ND		ug/kg	4.3	0.22	1
4-Ethyltoluene	ND		ug/kg	4.3	0.10	1

Project Name: EJ1111829.002 **Lab Number:** L1219981

Project Number: EJ1111829.002 **Report Date:** 11/12/12

SAMPLE RESULTS

Lab ID:	L1219981-08	Date Collected:	11/05/12 10:00
Client ID:	S-8	Date Received:	11/05/12
Sample Location:	BRONX, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.3	0.20	1
Ethyl ether	ND		ug/kg	5.4	0.41	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	99		70-130

Project Name: EJ1111829.002 **Lab Number:** L1219981

Project Number: EJ1111829.002 **Report Date:** 11/12/12

SAMPLE RESULTS

Lab ID:	L1219981-09	D	Date Collected:	11/05/12 08:15
Client ID:	S-1(D)		Date Received:	11/05/12
Sample Location:	BRONX, NY		Field Prep:	Not Specified
Matrix:	Soil			
Analytical Method:	1,8260C			
Analytical Date:	11/08/12 01:29			
Analyst:	BN			
Percent Solids:	81%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	62	12.	5
1,1-Dichloroethane	ND		ug/kg	9.2	1.8	5
Chloroform	ND		ug/kg	9.2	2.0	5
Carbon tetrachloride	ND		ug/kg	6.2	1.3	5
1,2-Dichloropropane	ND		ug/kg	22	1.6	5
Dibromochloromethane	ND		ug/kg	6.2	1.9	5
1,1,2-Trichloroethane	ND		ug/kg	9.2	2.4	5
Tetrachloroethene	690		ug/kg	6.2	1.9	5
Chlorobenzene	ND		ug/kg	6.2	1.1	5
Trichlorofluoromethane	ND		ug/kg	31	2.4	5
1,2-Dichloroethane	ND		ug/kg	6.2	1.4	5
1,1,1-Trichloroethane	ND		ug/kg	6.2	1.7	5
Bromodichloromethane	ND		ug/kg	6.2	2.4	5
trans-1,3-Dichloropropene	ND		ug/kg	6.2	1.8	5
cis-1,3-Dichloropropene	ND		ug/kg	6.2	1.6	5
1,1-Dichloropropene	ND		ug/kg	31	2.8	5
Bromoform	ND		ug/kg	25	3.0	5
1,1,2,2-Tetrachloroethane	ND		ug/kg	6.2	1.5	5
Benzene	ND		ug/kg	6.2	1.8	5
Toluene	ND		ug/kg	9.2	1.5	5
Ethylbenzene	ND		ug/kg	6.2	1.4	5
Chloromethane	ND		ug/kg	31	4.8	5
Bromomethane	ND		ug/kg	12	4.0	5
Vinyl chloride	ND		ug/kg	12	4.6	5
Chloroethane	ND		ug/kg	12	2.7	5
1,1-Dichloroethene	ND		ug/kg	6.2	1.6	5
trans-1,2-Dichloroethene	ND		ug/kg	9.2	2.4	5
Trichloroethene	280		ug/kg	6.2	1.4	5
1,2-Dichlorobenzene	ND		ug/kg	31	2.2	5
1,3-Dichlorobenzene	ND		ug/kg	31	2.5	5
1,4-Dichlorobenzene	ND		ug/kg	31	2.6	5

Project Name: EJ1111829.002 **Lab Number:** L1219981

Project Number: EJ1111829.002 **Report Date:** 11/12/12

SAMPLE RESULTS

Lab ID: L1219981-09 D Date Collected: 11/05/12 08:15
Client ID: S-1(D) Date Received: 11/05/12
Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	12	3.0	5
p/m-Xylene	ND		ug/kg	12	2.6	5
o-Xylene	ND		ug/kg	12	2.6	5
cis-1,2-Dichloroethene	160		ug/kg	6.2	1.9	5
Dibromomethane	ND		ug/kg	62	2.7	5
Styrene	ND		ug/kg	12	4.5	5
Dichlorodifluoromethane	ND		ug/kg	62	2.4	5
Acetone	ND		ug/kg	62	20.	5
Carbon disulfide	ND		ug/kg	62	2.3	5
2-Butanone	ND		ug/kg	62	24.	5
Vinyl acetate	ND		ug/kg	62	4.6	5
4-Methyl-2-pentanone	ND		ug/kg	62	5.0	5
1,2,3-Trichloropropane	ND		ug/kg	62	2.4	5
2-Hexanone	ND		ug/kg	62	2.4	5
Bromochloromethane	ND		ug/kg	31	1.9	5
2,2-Dichloropropane	ND		ug/kg	31	4.9	5
1,2-Dibromoethane	ND		ug/kg	25	2.5	5
1,3-Dichloropropane	ND		ug/kg	31	3.5	5
1,1,1,2-Tetrachloroethane	ND		ug/kg	6.2	2.0	5
Bromobenzene	ND		ug/kg	31	1.4	5
n-Butylbenzene	ND		ug/kg	6.2	1.9	5
sec-Butylbenzene	ND		ug/kg	6.2	1.7	5
tert-Butylbenzene	ND		ug/kg	31	3.7	5
o-Chlorotoluene	ND		ug/kg	31	1.9	5
p-Chlorotoluene	ND		ug/kg	31	2.2	5
1,2-Dibromo-3-chloropropane	ND		ug/kg	31	5.2	5
Hexachlorobutadiene	ND		ug/kg	31	2.8	5
Isopropylbenzene	ND		ug/kg	6.2	1.1	5
p-Isopropyltoluene	ND		ug/kg	6.2	1.7	5
Naphthalene	ND		ug/kg	31	4.8	5
Acrylonitrile	ND		ug/kg	62	2.3	5
n-Propylbenzene	ND		ug/kg	6.2	1.8	5
1,2,3-Trichlorobenzene	ND		ug/kg	31	2.5	5
1,2,4-Trichlorobenzene	ND		ug/kg	31	4.9	5
1,3,5-Trimethylbenzene	ND		ug/kg	31	3.7	5
1,2,4-Trimethylbenzene	ND		ug/kg	31	3.5	5
1,4-Dioxane	ND		ug/kg	620	110	5
1,4-Diethylbenzene	ND		ug/kg	25	1.2	5
4-Ethyltoluene	ND		ug/kg	25	0.60	5

Project Name: EJ1111829.002 **Lab Number:** L1219981

Project Number: EJ1111829.002 **Report Date:** 11/12/12

SAMPLE RESULTS

Lab ID:	L1219981-09	D	Date Collected:	11/05/12 08:15
Client ID:	S-1(D)		Date Received:	11/05/12
Sample Location:	BRONX, NY		Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	25	1.1	5
Ethyl ether	ND		ug/kg	31	2.3	5
trans-1,4-Dichloro-2-butene	ND		ug/kg	31	9.1	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	125		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	103		70-130

Project Name: EJ1111829.002 **Lab Number:** L1219981

Project Number: EJ1111829.002 **Report Date:** 11/12/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/06/12 13:42
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG572352-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.30
Chloroform	ND		ug/kg	1.5	0.32
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.26
Dibromochloromethane	ND		ug/kg	1.0	0.31
2-Chloroethylvinyl ether	ND		ug/kg	20	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.39
Tetrachloroethene	ND		ug/kg	1.0	0.31
Chlorobenzene	ND		ug/kg	1.0	0.19
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.23
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.27
Bromodichloromethane	ND		ug/kg	1.0	0.38
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.30
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.50
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.24
Benzene	ND		ug/kg	1.0	0.30
Toluene	0.29	J	ug/kg	1.5	0.24
Ethylbenzene	ND		ug/kg	1.0	0.22
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	1.5	J	ug/kg	2.0	0.65
Vinyl chloride	ND		ug/kg	2.0	0.75
Chloroethane	ND		ug/kg	2.0	0.44
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.39
Trichloroethene	ND		ug/kg	1.0	0.22
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.36
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.40

Project Name: EJ1111829.002 **Lab Number:** L1219981

Project Number: EJ1111829.002 **Report Date:** 11/12/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/06/12 13:42
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG572352-3					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.42
Methyl tert butyl ether	ND		ug/kg	2.0	0.49
p/m-Xylene	0.48	J	ug/kg	2.0	0.43
o-Xylene	ND		ug/kg	2.0	0.42
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.30
Dibromomethane	ND		ug/kg	10	0.43
Styrene	ND		ug/kg	2.0	0.73
Dichlorodifluoromethane	ND		ug/kg	10	0.39
Acetone	ND		ug/kg	10	3.2
Carbon disulfide	ND		ug/kg	10	0.38
2-Butanone	ND		ug/kg	10	3.9
Vinyl acetate	ND		ug/kg	10	0.75
4-Methyl-2-pentanone	ND		ug/kg	10	0.82
1,2,3-Trichloropropane	ND		ug/kg	10	0.39
2-Hexanone	ND		ug/kg	10	0.40
Bromochloromethane	ND		ug/kg	5.0	0.30
2,2-Dichloropropane	ND		ug/kg	5.0	0.80
1,2-Dibromoethane	ND		ug/kg	4.0	0.41
1,3-Dichloropropane	ND		ug/kg	5.0	0.56
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33
Bromobenzene	ND		ug/kg	5.0	0.22
n-Butylbenzene	ND		ug/kg	1.0	0.31
sec-Butylbenzene	ND		ug/kg	1.0	0.28
tert-Butylbenzene	ND		ug/kg	5.0	0.60
o-Chlorotoluene	ND		ug/kg	5.0	0.31
p-Chlorotoluene	ND		ug/kg	5.0	0.36
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.84
Hexachlorobutadiene	ND		ug/kg	5.0	0.46
Isopropylbenzene	ND		ug/kg	1.0	0.18
p-Isopropyltoluene	ND		ug/kg	1.0	0.27
Naphthalene	ND		ug/kg	5.0	0.77

Project Name: EJ1111829.002 **Lab Number:** L1219981

Project Number: EJ1111829.002 **Report Date:** 11/12/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/06/12 13:42
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG572352-3					
Acrylonitrile	ND		ug/kg	10	0.38
Isopropyl Ether	ND		ug/kg	4.0	0.42
tert-Butyl Alcohol	ND		ug/kg	60	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.28
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.40
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.60
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.47
Ethyl Acetate	ND		ug/kg	20	20.
Acrolein	ND		ug/kg	25	3.0
Cyclohexane	ND		ug/kg	20	0.12
1,4-Dioxane	ND		ug/kg	100	17.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.40
1,4-Diethylbenzene	ND		ug/kg	4.0	0.20
4-Ethyltoluene	ND		ug/kg	4.0	0.10
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.18
Tetrahydrofuran	ND		ug/kg	20	1.1
Ethyl ether	ND		ug/kg	5.0	0.38
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.5
Methyl cyclohexane	ND		ug/kg	4.0	0.70
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.88
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	1.0

Project Name: EJ1111829.002 **Lab Number:** L1219981

Project Number: EJ1111829.002 **Report Date:** 11/12/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/06/12 13:42
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG572352-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	126		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	110		70-130

Project Name: EJ1111829.002 **Lab Number:** L1219981

Project Number: EJ1111829.002 **Report Date:** 11/12/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/07/12 21:52
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03,05 Batch: WG572352-6					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.30
Chloroform	ND		ug/kg	1.5	0.32
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.26
Dibromochloromethane	ND		ug/kg	1.0	0.31
2-Chloroethylvinyl ether	ND		ug/kg	20	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.39
Tetrachloroethene	ND		ug/kg	1.0	0.31
Chlorobenzene	ND		ug/kg	1.0	0.19
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.23
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.27
Bromodichloromethane	ND		ug/kg	1.0	0.38
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.30
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.50
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.24
Benzene	ND		ug/kg	1.0	0.30
Toluene	ND		ug/kg	1.5	0.24
Ethylbenzene	ND		ug/kg	1.0	0.22
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	1.8	J	ug/kg	2.0	0.65
Vinyl chloride	ND		ug/kg	2.0	0.75
Chloroethane	ND		ug/kg	2.0	0.44
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.39
Trichloroethene	ND		ug/kg	1.0	0.22
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.36
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.40

Project Name: EJ1111829.002 **Lab Number:** L1219981

Project Number: EJ1111829.002 **Report Date:** 11/12/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/07/12 21:52
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03,05 Batch: WG572352-6					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.42
Methyl tert butyl ether	ND		ug/kg	2.0	0.49
p/m-Xylene	ND		ug/kg	2.0	0.43
o-Xylene	ND		ug/kg	2.0	0.42
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.30
Dibromomethane	ND		ug/kg	10	0.43
Styrene	ND		ug/kg	2.0	0.73
Dichlorodifluoromethane	ND		ug/kg	10	0.39
Acetone	ND		ug/kg	10	3.2
Carbon disulfide	ND		ug/kg	10	0.38
2-Butanone	ND		ug/kg	10	3.9
Vinyl acetate	ND		ug/kg	10	0.75
4-Methyl-2-pentanone	ND		ug/kg	10	0.82
1,2,3-Trichloropropane	ND		ug/kg	10	0.39
2-Hexanone	ND		ug/kg	10	0.40
Bromochloromethane	ND		ug/kg	5.0	0.30
2,2-Dichloropropane	ND		ug/kg	5.0	0.80
1,2-Dibromoethane	ND		ug/kg	4.0	0.41
1,3-Dichloropropane	ND		ug/kg	5.0	0.56
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33
Bromobenzene	ND		ug/kg	5.0	0.22
n-Butylbenzene	ND		ug/kg	1.0	0.31
sec-Butylbenzene	ND		ug/kg	1.0	0.28
tert-Butylbenzene	ND		ug/kg	5.0	0.60
o-Chlorotoluene	ND		ug/kg	5.0	0.31
p-Chlorotoluene	ND		ug/kg	5.0	0.36
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.84
Hexachlorobutadiene	ND		ug/kg	5.0	0.46
Isopropylbenzene	ND		ug/kg	1.0	0.18
p-Isopropyltoluene	ND		ug/kg	1.0	0.27
Naphthalene	ND		ug/kg	5.0	0.77

Project Name: EJ1111829.002 **Lab Number:** L1219981

Project Number: EJ1111829.002 **Report Date:** 11/12/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/07/12 21:52
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03,05 Batch: WG572352-6					
Acrylonitrile	ND		ug/kg	10	0.38
Isopropyl Ether	ND		ug/kg	4.0	0.42
tert-Butyl Alcohol	ND		ug/kg	60	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.28
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.40
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.60
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.47
Ethyl Acetate	ND		ug/kg	20	20.
Acrolein	ND		ug/kg	25	3.0
Cyclohexane	ND		ug/kg	20	0.12
1,4-Dioxane	ND		ug/kg	100	17.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.40
1,4-Diethylbenzene	ND		ug/kg	4.0	0.20
4-Ethyltoluene	ND		ug/kg	4.0	0.10
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.18
Tetrahydrofuran	ND		ug/kg	20	1.1
Ethyl ether	ND		ug/kg	5.0	0.38
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.5
Methyl cyclohexane	ND		ug/kg	4.0	0.70
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.88
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	1.0

Project Name: EJ1111829.002 **Lab Number:** L1219981

Project Number: EJ1111829.002 **Report Date:** 11/12/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/07/12 21:52
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03,05 Batch: WG572352-6					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	105		70-130

Project Name: EJ1111829.002 **Lab Number:** L1219981

Project Number: EJ1111829.002 **Report Date:** 11/12/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/07/12 21:52
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-07,09 Batch: WG572589-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.30
Chloroform	ND		ug/kg	1.5	0.32
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.26
Dibromochloromethane	ND		ug/kg	1.0	0.31
2-Chloroethylvinyl ether	ND		ug/kg	20	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.39
Tetrachloroethene	ND		ug/kg	1.0	0.31
Chlorobenzene	ND		ug/kg	1.0	0.19
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.23
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.27
Bromodichloromethane	ND		ug/kg	1.0	0.38
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.30
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.50
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.24
Benzene	ND		ug/kg	1.0	0.30
Toluene	ND		ug/kg	1.5	0.24
Ethylbenzene	ND		ug/kg	1.0	0.22
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	1.8	J	ug/kg	2.0	0.65
Vinyl chloride	ND		ug/kg	2.0	0.75
Chloroethane	ND		ug/kg	2.0	0.44
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.39
Trichloroethene	ND		ug/kg	1.0	0.22
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.36
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.40

Project Name: EJ1111829.002 **Lab Number:** L1219981

Project Number: EJ1111829.002 **Report Date:** 11/12/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/07/12 21:52
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-07,09 Batch: WG572589-3					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.42
Methyl tert butyl ether	ND		ug/kg	2.0	0.49
p/m-Xylene	ND		ug/kg	2.0	0.43
o-Xylene	ND		ug/kg	2.0	0.42
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.30
Dibromomethane	ND		ug/kg	10	0.43
Styrene	ND		ug/kg	2.0	0.73
Dichlorodifluoromethane	ND		ug/kg	10	0.39
Acetone	ND		ug/kg	10	3.2
Carbon disulfide	ND		ug/kg	10	0.38
2-Butanone	ND		ug/kg	10	3.9
Vinyl acetate	ND		ug/kg	10	0.75
4-Methyl-2-pentanone	ND		ug/kg	10	0.82
1,2,3-Trichloropropane	ND		ug/kg	10	0.39
2-Hexanone	ND		ug/kg	10	0.40
Bromochloromethane	ND		ug/kg	5.0	0.30
2,2-Dichloropropane	ND		ug/kg	5.0	0.80
1,2-Dibromoethane	ND		ug/kg	4.0	0.41
1,3-Dichloropropane	ND		ug/kg	5.0	0.56
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33
Bromobenzene	ND		ug/kg	5.0	0.22
n-Butylbenzene	ND		ug/kg	1.0	0.31
sec-Butylbenzene	ND		ug/kg	1.0	0.28
tert-Butylbenzene	ND		ug/kg	5.0	0.60
o-Chlorotoluene	ND		ug/kg	5.0	0.31
p-Chlorotoluene	ND		ug/kg	5.0	0.36
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.84
Hexachlorobutadiene	ND		ug/kg	5.0	0.46
Isopropylbenzene	ND		ug/kg	1.0	0.18
p-Isopropyltoluene	ND		ug/kg	1.0	0.27
Naphthalene	ND		ug/kg	5.0	0.77

Project Name: EJ1111829.002 **Lab Number:** L1219981

Project Number: EJ1111829.002 **Report Date:** 11/12/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/07/12 21:52
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-07,09 Batch: WG572589-3					
Acrylonitrile	ND		ug/kg	10	0.38
Isopropyl Ether	ND		ug/kg	4.0	0.42
tert-Butyl Alcohol	ND		ug/kg	60	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.28
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.40
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.60
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.47
Ethyl Acetate	ND		ug/kg	20	20.
Acrolein	ND		ug/kg	25	3.0
Cyclohexane	ND		ug/kg	20	0.12
1,4-Dioxane	ND		ug/kg	100	17.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.40
1,4-Diethylbenzene	ND		ug/kg	4.0	0.20
4-Ethyltoluene	ND		ug/kg	4.0	0.10
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.18
Tetrahydrofuran	ND		ug/kg	20	1.1
Ethyl ether	ND		ug/kg	5.0	0.38
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.5
Methyl cyclohexane	ND		ug/kg	4.0	0.70
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.88
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	1.0

Project Name: EJ1111829.002 **Lab Number:** L1219981

Project Number: EJ1111829.002 **Report Date:** 11/12/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/07/12 21:52
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-07,09 Batch: WG572589-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	105		70-130

Project Name: EJ1111829.002 **Lab Number:** L1219981

Project Number: EJ1111829.002 **Report Date:** 11/12/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/10/12 11:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG573151-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.30
Chloroform	ND		ug/kg	1.5	0.32
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.26
Dibromochloromethane	ND		ug/kg	1.0	0.31
2-Chloroethylvinyl ether	ND		ug/kg	20	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.39
Tetrachloroethene	ND		ug/kg	1.0	0.31
Chlorobenzene	ND		ug/kg	1.0	0.19
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.23
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.27
Bromodichloromethane	ND		ug/kg	1.0	0.38
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.30
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.50
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.24
Benzene	ND		ug/kg	1.0	0.30
Toluene	ND		ug/kg	1.5	0.24
Ethylbenzene	ND		ug/kg	1.0	0.22
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.65
Vinyl chloride	ND		ug/kg	2.0	0.75
Chloroethane	ND		ug/kg	2.0	0.44
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.39
Trichloroethene	ND		ug/kg	1.0	0.22
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.36
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.40

Project Name: EJ1111829.002 **Lab Number:** L1219981

Project Number: EJ1111829.002 **Report Date:** 11/12/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/10/12 11:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG573151-3					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.42
Methyl tert butyl ether	ND		ug/kg	2.0	0.49
p/m-Xylene	ND		ug/kg	2.0	0.43
o-Xylene	ND		ug/kg	2.0	0.42
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.30
Dibromomethane	ND		ug/kg	10	0.43
Styrene	ND		ug/kg	2.0	0.73
Dichlorodifluoromethane	ND		ug/kg	10	0.39
Acetone	ND		ug/kg	10	3.2
Carbon disulfide	0.61	J	ug/kg	10	0.38
2-Butanone	ND		ug/kg	10	3.9
Vinyl acetate	ND		ug/kg	10	0.75
4-Methyl-2-pentanone	ND		ug/kg	10	0.82
1,2,3-Trichloropropane	ND		ug/kg	10	0.39
2-Hexanone	ND		ug/kg	10	0.40
Bromochloromethane	ND		ug/kg	5.0	0.30
2,2-Dichloropropane	ND		ug/kg	5.0	0.80
1,2-Dibromoethane	ND		ug/kg	4.0	0.41
1,3-Dichloropropane	ND		ug/kg	5.0	0.56
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33
Bromobenzene	ND		ug/kg	5.0	0.22
n-Butylbenzene	ND		ug/kg	1.0	0.31
sec-Butylbenzene	ND		ug/kg	1.0	0.28
tert-Butylbenzene	ND		ug/kg	5.0	0.60
o-Chlorotoluene	ND		ug/kg	5.0	0.31
p-Chlorotoluene	ND		ug/kg	5.0	0.36
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.84
Hexachlorobutadiene	ND		ug/kg	5.0	0.46
Isopropylbenzene	ND		ug/kg	1.0	0.18
p-Isopropyltoluene	ND		ug/kg	1.0	0.27
Naphthalene	ND		ug/kg	5.0	0.77

Project Name: EJ1111829.002 **Lab Number:** L1219981

Project Number: EJ1111829.002 **Report Date:** 11/12/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/10/12 11:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG573151-3					
Acrylonitrile	ND		ug/kg	10	0.38
Isopropyl Ether	ND		ug/kg	4.0	0.42
tert-Butyl Alcohol	ND		ug/kg	60	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.28
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.40
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.60
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.47
Ethyl Acetate	ND		ug/kg	20	20.
Acrolein	ND		ug/kg	25	3.0
Cyclohexane	ND		ug/kg	20	0.12
1,4-Dioxane	ND		ug/kg	100	17.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.40
1,4-Diethylbenzene	ND		ug/kg	4.0	0.20
4-Ethyltoluene	ND		ug/kg	4.0	0.10
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.18
Tetrahydrofuran	ND		ug/kg	20	1.1
Ethyl ether	ND		ug/kg	5.0	0.38
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.5
Methyl cyclohexane	ND		ug/kg	4.0	0.70
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.88
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	1.0

Project Name: EJ1111829.002 **Lab Number:** L1219981

Project Number: EJ1111829.002 **Report Date:** 11/12/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/10/12 11:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG573151-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1219981
Report Date: 11/12/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG572352-1 WG572352-2								
Methylene chloride	89		88		70-130	1		30
1,1-Dichloroethane	98		100		70-130	2		30
Chloroform	104		105		70-130	1		30
Carbon tetrachloride	91		97		70-130	6		30
1,2-Dichloropropane	91		90		70-130	1		30
Dibromochloromethane	102		105		70-130	3		30
2-Chloroethylvinyl ether	70		75			7		30
1,1,2-Trichloroethane	91		93		70-130	2		30
Tetrachloroethene	86		90		70-130	5		30
Chlorobenzene	93		94		70-130	1		30
Trichlorofluoromethane	94		99		70-139	5		30
1,2-Dichloroethane	108		109		70-130	1		30
1,1,1-Trichloroethane	97		100		70-130	3		30
Bromodichloromethane	106		107		70-130	1		30
trans-1,3-Dichloropropene	80		85		70-130	6		30
cis-1,3-Dichloropropene	87		87		70-130	0		30
1,1-Dichloropropene	96		100		70-130	4		30
Bromoform	85		87		70-130	2		30
1,1,2,2-Tetrachloroethane	92		93		70-130	1		30
Benzene	93		95		70-130	2		30
Toluene	89		91		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1219981
Report Date: 11/12/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG572352-1 WG572352-2								
Ethylbenzene	98		100		70-130	2		30
Chloromethane	90		93		52-130	3		30
Bromomethane	103		96		57-147	7		30
Vinyl chloride	97		105		67-130	8		30
Chloroethane	107		122		50-151	13		30
1,1-Dichloroethene	90		92		65-135	2		30
trans-1,2-Dichloroethene	89		94		70-130	5		30
Trichloroethene	93		96		70-130	3		30
1,2-Dichlorobenzene	93		92		70-130	1		30
1,3-Dichlorobenzene	94		95		70-130	1		30
1,4-Dichlorobenzene	94		93		70-130	1		30
Methyl tert butyl ether	74		72		66-130	3		30
p/m-Xylene	96		97		70-130	1		30
o-Xylene	97		98		70-130	1		30
cis-1,2-Dichloroethene	91		92		70-130	1		30
Dibromomethane	98		101		70-130	3		30
Styrene	97		97		70-130	0		30
Dichlorodifluoromethane	67		72		30-146	7		30
Acetone	122		**160**	Q	54-140	27		30
Carbon disulfide	92		96		59-130	4		30
2-Butanone	112		129		70-130	14		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1219981
Report Date: 11/12/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG572352-1 WG572352-2								
Vinyl acetate	103		102		70-130	1		30
4-Methyl-2-pentanone	88		90		70-130	2		30
1,2,3-Trichloropropane	94		96		68-130	2		30
2-Hexanone	92		100		70-130	8		30
Bromochloromethane	90		92		70-130	2		30
2,2-Dichloropropane	72		74		70-130	3		30
1,2-Dibromoethane	87		95		70-130	9		30
1,3-Dichloropropane	91		95		69-130	4		30
1,1,1,2-Tetrachloroethane	93		95		70-130	2		30
Bromobenzene	89		89		70-130	0		30
n-Butylbenzene	105		106		70-130	1		30
sec-Butylbenzene	99		100		70-130	1		30
tert-Butylbenzene	97		98		70-130	1		30
o-Chlorotoluene	104		104		70-130	0		30
p-Chlorotoluene	101		102		70-130	1		30
1,2-Dibromo-3-chloropropane	98		102		68-130	4		30
Hexachlorobutadiene	85		86		67-130	1		30
Isopropylbenzene	99		100		70-130	1		30
p-Isopropyltoluene	98		99		70-130	1		30
Naphthalene	88		86		70-130	2		30
Acrylonitrile	91		96		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1219981
Report Date: 11/12/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG572352-1 WG572352-2								
Isopropyl Ether	94		93		66-130	1		30
tert-Butyl Alcohol	88		91		70-130	3		30
n-Propylbenzene	100		101		70-130	1		30
1,2,3-Trichlorobenzene	88		87		70-130	1		30
1,2,4-Trichlorobenzene	88		87		70-130	1		30
1,3,5-Trimethylbenzene	100		102		70-130	2		30
1,2,4-Trimethylbenzene	96		97		70-130	1		30
Methyl Acetate	84		90		70-130	7		30
Ethyl Acetate	92		97		70-130	5		30
Acrolein	**311**	Q	**330**	Q	70-130	6		30
Cyclohexane	93		96		70-130	3		30
1,4-Dioxane	101		103		65-136	2		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	85		89		70-130	5		30
1,4-Diethylbenzene	100		100		70-130	0		30
4-Ethyltoluene	109		110		70-130	1		30
1,2,4,5-Tetramethylbenzene	100		99		70-130	1		30
Tetrahydrofuran	85		90		66-130	6		30
Ethyl ether	85		86		67-130	1		30
trans-1,4-Dichloro-2-butene	85		90		70-130	6		30
Methyl cyclohexane	80		83		70-130	4		30
Ethyl-Tert-Butyl-Ether	78		76		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1219981
Report Date: 11/12/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG572352-1 WG572352-2								
Tertiary-Amyl Methyl Ether	**68**	Q	**66**	Q	70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	126		**171**	Q	70-130
Toluene-d8	102		116		70-130
4-Bromofluorobenzene	109		123		70-130
Dibromofluoromethane	114		**139**	Q	70-130

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,05 Batch: WG572352-4 WG572352-5								
Methylene chloride	97		100		70-130	3		30
1,1-Dichloroethane	109		116		70-130	6		30
Chloroform	114		122		70-130	7		30
Carbon tetrachloride	117		127		70-130	8		30
1,2-Dichloropropane	103		109		70-130	6		30
Dibromochloromethane	130		**137**	Q	70-130	5		30
2-Chloroethylvinyl ether	92		99			7		30
1,1,2-Trichloroethane	111		117		70-130	5		30
Tetrachloroethene	99		106		70-130	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1219981
Report Date: 11/12/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,05 Batch: WG572352-4 WG572352-5								
Chlorobenzene	108		113		70-130	5		30
Trichlorofluoromethane	101		108		70-139	7		30
1,2-Dichloroethane	124		129		70-130	4		30
1,1,1-Trichloroethane	109		116		70-130	6		30
Bromodichloromethane	125		130		70-130	4		30
trans-1,3-Dichloropropene	110		117		70-130	6		30
cis-1,3-Dichloropropene	105		110		70-130	5		30
1,1-Dichloropropene	105		113		70-130	7		30
Bromoform	112		117		70-130	4		30
1,1,2,2-Tetrachloroethane	114		120		70-130	5		30
Benzene	103		110		70-130	7		30
Toluene	103		109		70-130	6		30
Ethylbenzene	111		118		70-130	6		30
Chloromethane	82		86		52-130	5		30
Bromomethane	111		111		57-147	0		30
Vinyl chloride	91		98		67-130	7		30
Chloroethane	105		110		50-151	5		30
1,1-Dichloroethene	92		98		65-135	6		30
trans-1,2-Dichloroethene	98		103		70-130	5		30
Trichloroethene	105		112		70-130	6		30
1,2-Dichlorobenzene	110		117		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1219981
Report Date: 11/12/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,05 Batch: WG572352-4 WG572352-5								
1,3-Dichlorobenzene	111		117		70-130	5		30
1,4-Dichlorobenzene	112		117		70-130	4		30
Methyl tert butyl ether	92		95		66-130	3		30
p/m-Xylene	108		114		70-130	5		30
o-Xylene	109		116		70-130	6		30
cis-1,2-Dichloroethene	102		106		70-130	4		30
Dibromomethane	110		116		70-130	5		30
Styrene	112		118		70-130	5		30
Dichlorodifluoromethane	61		64		30-146	5		30
Acetone	117		**171**	Q	54-140	**38**	Q	30
Carbon disulfide	92		99		59-130	7		30
2-Butanone	118		**135**	Q	70-130	13		30
Vinyl acetate	119		124		70-130	4		30
4-Methyl-2-pentanone	105		110		70-130	5		30
1,2,3-Trichloropropane	116		122		68-130	5		30
2-Hexanone	119		129		70-130	8		30
Bromochloromethane	101		104		70-130	3		30
2,2-Dichloropropane	89		98		70-130	10		30
1,2-Dibromoethane	102		110		70-130	8		30
1,3-Dichloropropane	112		118		69-130	5		30
1,1,1,2-Tetrachloroethane	118		124		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1219981
Report Date: 11/12/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,05 Batch: WG572352-4 WG572352-5								
Bromobenzene	106		112		70-130	6		30
n-Butylbenzene	123		**131**	Q	70-130	6		30
sec-Butylbenzene	114		123		70-130	8		30
tert-Butylbenzene	112		120		70-130	7		30
o-Chlorotoluene	120		127		70-130	6		30
p-Chlorotoluene	119		126		70-130	6		30
1,2-Dibromo-3-chloropropane	119		127		68-130	7		30
Hexachlorobutadiene	99		107		67-130	8		30
Isopropylbenzene	111		119		70-130	7		30
p-Isopropyltoluene	113		122		70-130	8		30
Naphthalene	115		114		70-130	1		30
Acrylonitrile	108		113		70-130	5		30
Isopropyl Ether	112		116		66-130	4		30
tert-Butyl Alcohol	102		105		70-130	3		30
n-Propylbenzene	116		124		70-130	7		30
1,2,3-Trichlorobenzene	109		113		70-130	4		30
1,2,4-Trichlorobenzene	111		114		70-130	3		30
1,3,5-Trimethylbenzene	117		125		70-130	7		30
1,2,4-Trimethylbenzene	112		120		70-130	7		30
Methyl Acetate	98		106		70-130	8		30
Ethyl Acetate	118		122		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1219981
Report Date: 11/12/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,05 Batch: WG572352-4 WG572352-5								
Acrolein	**361**	Q	**375**	Q	70-130	4		30
Cyclohexane	110		120		70-130	9		30
1,4-Dioxane	94		101		65-136	7		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	99		107		70-130	8		30
1,4-Diethylbenzene	116		124		70-130	7		30
4-Ethyltoluene	126		**134**	Q	70-130	6		30
1,2,4,5-Tetramethylbenzene	121		124		70-130	2		30
Tetrahydrofuran	106		111		66-130	5		30
Ethyl ether	99		102		67-130	3		30
trans-1,4-Dichloro-2-butene	125		**132**	Q	70-130	5		30
Methyl cyclohexane	97		105		70-130	8		30
Ethyl-Tert-Butyl-Ether	97		101		70-130	4		30
Tertiary-Amyl Methyl Ether	88		91		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	119		124		70-130
Toluene-d8	102		104		70-130
4-Bromofluorobenzene	109		113		70-130
Dibromofluoromethane	106		111		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: EJ1111829.002
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Lab Number: L1219981
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07,09 Batch: WG572589-1 WG572589-2								
Methylene chloride	97		100		70-130	3		30
1,1-Dichloroethane	109		116		70-130	6		30
Chloroform	114		122		70-130	7		30
Carbon tetrachloride	117		127		70-130	8		30
1,2-Dichloropropane	103		109		70-130	6		30
Dibromochloromethane	130		**137**	Q	70-130	5		30
2-Chloroethylvinyl ether	92		99			7		30
1,1,2-Trichloroethane	111		117		70-130	5		30
Tetrachloroethene	99		106		70-130	7		30
Chlorobenzene	108		113		70-130	5		30
Trichlorofluoromethane	101		108		70-139	7		30
1,2-Dichloroethane	124		129		70-130	4		30
1,1,1-Trichloroethane	109		116		70-130	6		30
Bromodichloromethane	125		130		70-130	4		30
trans-1,3-Dichloropropene	110		117		70-130	6		30
cis-1,3-Dichloropropene	105		110		70-130	5		30
1,1-Dichloropropene	105		113		70-130	7		30
Bromoform	112		117		70-130	4		30
1,1,2,2-Tetrachloroethane	114		120		70-130	5		30
Benzene	103		110		70-130	7		30
Toluene	103		109		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1219981
Report Date: 11/12/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07,09 Batch: WG572589-1 WG572589-2								
Ethylbenzene	111		118		70-130	6		30
Chloromethane	82		86		52-130	5		30
Bromomethane	111		111		57-147	0		30
Vinyl chloride	91		98		67-130	7		30
Chloroethane	105		110		50-151	5		30
1,1-Dichloroethene	92		98		65-135	6		30
trans-1,2-Dichloroethene	98		103		70-130	5		30
Trichloroethene	105		112		70-130	6		30
1,2-Dichlorobenzene	110		117		70-130	6		30
1,3-Dichlorobenzene	111		117		70-130	5		30
1,4-Dichlorobenzene	112		117		70-130	4		30
Methyl tert butyl ether	92		95		66-130	3		30
p/m-Xylene	108		114		70-130	5		30
o-Xylene	109		116		70-130	6		30
cis-1,2-Dichloroethene	102		106		70-130	4		30
Dibromomethane	110		116		70-130	5		30
Styrene	112		118		70-130	5		30
Dichlorodifluoromethane	61		64		30-146	5		30
Acetone	117		**171**	Q	54-140	**38**	Q	30
Carbon disulfide	92		99		59-130	7		30
2-Butanone	118		**135**	Q	70-130	13		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1219981
Report Date: 11/12/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07,09 Batch: WG572589-1 WG572589-2								
Vinyl acetate	119		124		70-130	4		30
4-Methyl-2-pentanone	105		110		70-130	5		30
1,2,3-Trichloropropane	116		122		68-130	5		30
2-Hexanone	119		129		70-130	8		30
Bromochloromethane	101		104		70-130	3		30
2,2-Dichloropropane	89		98		70-130	10		30
1,2-Dibromoethane	102		110		70-130	8		30
1,3-Dichloropropane	112		118		69-130	5		30
1,1,1,2-Tetrachloroethane	118		124		70-130	5		30
Bromobenzene	106		112		70-130	6		30
n-Butylbenzene	123		**131**	Q	70-130	6		30
sec-Butylbenzene	114		123		70-130	8		30
tert-Butylbenzene	112		120		70-130	7		30
o-Chlorotoluene	120		127		70-130	6		30
p-Chlorotoluene	119		126		70-130	6		30
1,2-Dibromo-3-chloropropane	119		127		68-130	7		30
Hexachlorobutadiene	99		107		67-130	8		30
Isopropylbenzene	111		119		70-130	7		30
p-Isopropyltoluene	113		122		70-130	8		30
Naphthalene	115		114		70-130	1		30
Acrylonitrile	108		113		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1219981
Report Date: 11/12/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07,09 Batch: WG572589-1 WG572589-2								
Isopropyl Ether	112		116		66-130	4		30
tert-Butyl Alcohol	102		105		70-130	3		30
n-Propylbenzene	116		124		70-130	7		30
1,2,3-Trichlorobenzene	109		113		70-130	4		30
1,2,4-Trichlorobenzene	111		114		70-130	3		30
1,3,5-Trimethylbenzene	117		125		70-130	7		30
1,2,4-Trimethylbenzene	112		120		70-130	7		30
Methyl Acetate	98		106		70-130	8		30
Ethyl Acetate	118		122		70-130	3		30
Acrolein	**361**	Q	**375**	Q	70-130	4		30
Cyclohexane	110		120		70-130	9		30
1,4-Dioxane	94		101		65-136	7		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	99		107		70-130	8		30
1,4-Diethylbenzene	116		124		70-130	7		30
4-Ethyltoluene	126		**134**	Q	70-130	6		30
1,2,4,5-Tetramethylbenzene	121		124		70-130	2		30
Tetrahydrofuran	106		111		66-130	5		30
Ethyl ether	99		102		67-130	3		30
trans-1,4-Dichloro-2-butene	125		**132**	Q	70-130	5		30
Methyl cyclohexane	97		105		70-130	8		30
Ethyl-Tert-Butyl-Ether	97		101		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1219981
Report Date: 11/12/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07,09 Batch: WG572589-1 WG572589-2								
Tertiary-Amyl Methyl Ether	88		91		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	119		124		70-130
Toluene-d8	102		104		70-130
4-Bromofluorobenzene	109		113		70-130
Dibromofluoromethane	106		111		70-130

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG573151-1 WG573151-2								
Methylene chloride	108		111		70-130	3		30
1,1-Dichloroethane	115		120		70-130	4		30
Chloroform	110		114		70-130	4		30
Carbon tetrachloride	113		120		70-130	6		30
1,2-Dichloropropane	117		121		70-130	3		30
Dibromochloromethane	106		108		70-130	2		30
2-Chloroethylvinyl ether	117		121			3		30
1,1,2-Trichloroethane	110		113		70-130	3		30
Tetrachloroethene	109		115		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1219981
Report Date: 11/12/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG573151-1 WG573151-2								
Chlorobenzene	108		111		70-130	3		30
Trichlorofluoromethane	97		104		70-139	7		30
1,2-Dichloroethane	111		113		70-130	2		30
1,1,1-Trichloroethane	114		118		70-130	3		30
Bromodichloromethane	114		117		70-130	3		30
trans-1,3-Dichloropropene	110		112		70-130	2		30
cis-1,3-Dichloropropene	116		119		70-130	3		30
1,1-Dichloropropene	116		121		70-130	4		30
Bromoform	107		109		70-130	2		30
1,1,2,2-Tetrachloroethane	107		111		70-130	4		30
Benzene	116		120		70-130	3		30
Toluene	110		114		70-130	4		30
Ethylbenzene	108		112		70-130	4		30
Chloromethane	72		70		52-130	3		30
Bromomethane	107		103		57-147	4		30
Vinyl chloride	86		90		67-130	5		30
Chloroethane	100		104		50-151	4		30
1,1-Dichloroethene	107		113		65-135	5		30
trans-1,2-Dichloroethene	112		117		70-130	4		30
Trichloroethene	115		120		70-130	4		30
1,2-Dichlorobenzene	103		104		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1219981
Report Date: 11/12/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG573151-1 WG573151-2								
1,3-Dichlorobenzene	105		109		70-130	4		30
1,4-Dichlorobenzene	104		108		70-130	4		30
Methyl tert butyl ether	106		108		66-130	2		30
p/m-Xylene	109		113		70-130	4		30
o-Xylene	109		112		70-130	3		30
cis-1,2-Dichloroethene	115		119		70-130	3		30
Dibromomethane	110		110		70-130	0		30
Styrene	108		111		70-130	3		30
Dichlorodifluoromethane	63		67		30-146	6		30
Acetone	111		110		54-140	1		30
Carbon disulfide	103		108		59-130	5		30
2-Butanone	116		111		70-130	4		30
Vinyl acetate	114		117		70-130	3		30
4-Methyl-2-pentanone	115		116		70-130	1		30
1,2,3-Trichloropropane	109		113		68-130	4		30
2-Hexanone	112		115		70-130	3		30
Bromochloromethane	118		121		70-130	3		30
2,2-Dichloropropane	114		120		70-130	5		30
1,2-Dibromoethane	107		108		70-130	1		30
1,3-Dichloropropane	110		112		69-130	2		30
1,1,1,2-Tetrachloroethane	106		109		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1219981
Report Date: 11/12/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG573151-1 WG573151-2								
Bromobenzene	109		114		70-130	4		30
n-Butylbenzene	105		110		70-130	5		30
sec-Butylbenzene	108		112		70-130	4		30
tert-Butylbenzene	108		113		70-130	5		30
o-Chlorotoluene	112		117		70-130	4		30
p-Chlorotoluene	110		115		70-130	4		30
1,2-Dibromo-3-chloropropane	102		103		68-130	1		30
Hexachlorobutadiene	99		103		67-130	4		30
Isopropylbenzene	111		117		70-130	5		30
p-Isopropyltoluene	107		111		70-130	4		30
Naphthalene	98		100		70-130	2		30
Acrylonitrile	95		104		70-130	9		30
Isopropyl Ether	118		121		66-130	3		30
tert-Butyl Alcohol	84		81		70-130	4		30
n-Propylbenzene	111		117		70-130	5		30
1,2,3-Trichlorobenzene	100		102		70-130	2		30
1,2,4-Trichlorobenzene	101		104		70-130	3		30
1,3,5-Trimethylbenzene	110		114		70-130	4		30
1,2,4-Trimethylbenzene	107		111		70-130	4		30
Methyl Acetate	90		83		70-130	8		30
Ethyl Acetate	106		110		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1219981
Report Date: 11/12/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG573151-1 WG573151-2								
Acrolein	**371**	Q	**358**	Q	70-130	4		30
Cyclohexane	129		**136**	Q	70-130	5		30
1,4-Dioxane	91		92		65-136	1		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	112		117		70-130	4		30
1,4-Diethylbenzene	106		110		70-130	4		30
4-Ethyltoluene	125		130		70-130	4		30
1,2,4,5-Tetramethylbenzene	104		106		70-130	2		30
Tetrahydrofuran	94		104		66-130	10		30
Ethyl ether	100		102		67-130	2		30
trans-1,4-Dichloro-2-butene	101		106		70-130	5		30
Methyl cyclohexane	117		124		70-130	6		30
Ethyl-Tert-Butyl-Ether	116		119		70-130	3		30
Tertiary-Amyl Methyl Ether	114		116		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		95		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	103		104		70-130
Dibromofluoromethane	99		100		70-130

INORGANICS
&
MISCELLANEOUS

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1219981
Report Date: 11/12/12

SAMPLE RESULTS

Lab ID: L1219981-01
Client ID: S-1
Sample Location: BRONX, NY
Matrix: Soil

Date Collected: 11/05/12 08:15
Date Received: 11/05/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92		%	0.10	NA	1	-	11/07/12 21:01	30,2540G	RD

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1219981
Report Date: 11/12/12

SAMPLE RESULTS

Lab ID: L1219981-02
Client ID: S-2
Sample Location: BRONX, NY
Matrix: Soil

Date Collected: 11/05/12 08:30
Date Received: 11/05/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91		%	0.10	NA	1	-	11/07/12 21:01	30,2540G	RD

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1219981
Report Date: 11/12/12

SAMPLE RESULTS

Lab ID: L1219981-03
Client ID: S-3
Sample Location: BRONX, NY
Matrix: Soil

Date Collected: 11/05/12 08:45
Date Received: 11/05/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89		%	0.10	NA	1	-	11/07/12 21:01	30,2540G	RD

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1219981
Report Date: 11/12/12

SAMPLE RESULTS

Lab ID: L1219981-04
Client ID: S-4
Sample Location: BRONX, NY
Matrix: Soil

Date Collected: 11/05/12 09:00
Date Received: 11/05/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92		%	0.10	NA	1	-	11/07/12 21:01	30,2540G	RD

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1219981
Report Date: 11/12/12

SAMPLE RESULTS

Lab ID: L1219981-05
Client ID: S-5
Sample Location: BRONX, NY
Matrix: Soil

Date Collected: 11/05/12 09:15
Date Received: 11/05/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81		%	0.10	NA	1	-	11/07/12 21:01	30,2540G	RD

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1219981
Report Date: 11/12/12

SAMPLE RESULTS

Lab ID: L1219981-06
Client ID: S-6
Sample Location: BRONX, NY
Matrix: Soil

Date Collected: 11/05/12 09:30
Date Received: 11/05/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87		%	0.10	NA	1	-	11/07/12 21:01	30,2540G	RD

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1219981
Report Date: 11/12/12

SAMPLE RESULTS

Lab ID: L1219981-07
Client ID: S-7
Sample Location: BRONX, NY
Matrix: Soil

Date Collected: 11/05/12 09:45
Date Received: 11/05/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88		%	0.10	NA	1	-	11/07/12 21:01	30,2540G	RD

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1219981
Report Date: 11/12/12

SAMPLE RESULTS

Lab ID: L1219981-08
Client ID: S-8
Sample Location: BRONX, NY
Matrix: Soil

Date Collected: 11/05/12 10:00
Date Received: 11/05/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92		%	0.10	NA	1	-	11/07/12 21:01	30,2540G	RD

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1219981
Report Date: 11/12/12

SAMPLE RESULTS

Lab ID: L1219981-09
Client ID: S-1(D)
Sample Location: BRONX, NY
Matrix: Soil

Date Collected: 11/05/12 08:15
Date Received: 11/05/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81		%	0.10	NA	1	-	11/07/12 21:01	30,2540G	RD

Lab Duplicate Analysis
Batch Quality Control

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1219981
Report Date: 11/12/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG572492-1 QC Sample: L1220096-01 Client ID: DUP Sample						
Solids, Total	99.	99	%	0		20

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1219981
Report Date: 11/12/12

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1219981-01A	Vial Large unpreserved	A	NA	2.7	Y	Absent	TS(7),NYTCL-8260(14)
L1219981-02A	Vial Large unpreserved	A	NA	2.7	Y	Absent	TS(7),NYTCL-8260(14)
L1219981-03A	Vial Large unpreserved	A	NA	2.7	Y	Absent	TS(7),NYTCL-8260(14)
L1219981-04A	Vial Large unpreserved	A	NA	2.7	Y	Absent	TS(7),NYTCL-8260(14)
L1219981-05A	Vial Large unpreserved	A	NA	2.7	Y	Absent	TS(7),NYTCL-8260(14)
L1219981-06A	Vial Large unpreserved	A	NA	2.7	Y	Absent	TS(7),NYTCL-8260(14)
L1219981-07A	Vial Large unpreserved	A	NA	2.7	Y	Absent	TS(7),NYTCL-8260(14)
L1219981-08A	Vial Large unpreserved	A	NA	2.7	Y	Absent	TS(7),NYTCL-8260(14)
L1219981-09A	Vial Large unpreserved	A	NA	2.7	Y	Absent	TS(7),NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	EJ1111829.002	**Lab Number:**	L1219981
Project Number:	EJ1111829.002	**Report Date:**	11/12/12

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name: EJ1111829.002 **Lab Number:** L1219981

Project Number: EJ1111829.002 **Report Date:** 11/12/12

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name: EJ1111829.002 **Lab Number:** L1219981
Project Number: EJ1111829.002 **Report Date:** 11/12/12

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 16, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8082, 8330, 8151A, 8260B, 8270C, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014A, 9030B, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7

for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010B, 6010C, 6020, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9030B, 9040B, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082, 8082A, 8081A, 8081B, 8151A, 8330, 8270C-SIM, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 6010C, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050, 9065,1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3630C, 5030B, 5035, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082, 8082A, 8081A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, 2540G, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012A, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C, 3546, 3580, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7471A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 245.2, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 3501., 350.2, 353.2, 420.1, 6010B, 6010C, 6020, 6020A, 7196A, 7470A, 9010B, 9030B, 9040B, Lachat 10-107-06-2-D, NJ-EPH, 2120B, 2310B, 2320B, 2340B, 2510C, 2540B, 2540C, 3500Cr-D, 436C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8330, 8015B,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010B, 6010C, 6020A, 7196A, 7471A, 7471B, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3630C, 5035, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2¯D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 2..08, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5035, 3540C, 3546, 3550, 3580, 3630C, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

~~NJ~~ CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd in Lab: 11/5/12

ALPHA Job #: L1219981

ALPHA ANALYTICAL

WESTBORO, MA
8 Walkup Drive
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Serial No:11121 26

Client Information

Client: Whitestone Associates, Inc.
Address: 35 Technology Drive
Warren, NJ 07059
Phone: 908-668-7777
Fax: 908-754-5936
Email: pbeesley@whitestoneassoc.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: EJ1111829.002
Project Location: Bronx, NY
Project #: EJ1111829.002
Project Manager: C. Seib
ALPHA Quote #: ——

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 11/12/12 Time:

Report Type

☐ Data Summary ☐ NJ Full
~~☐ NJ Reduced~~ ☒ Other NY reduced

Regulatory Requirements

☐ SRS-Residential/Non Residential
☐ SRS-Impact To Groundwater
☐ NJ Ground Water Quality Standards
☒ Other NYSDEC SCOs

Billing Information

☒ Same as Client info PO #:

Site Information

Is this site impacted by Petroleum?
Yes / No (circle one)
(Please indicate Petroleum Product - See Table 2-1 on reverse side)

Petroleum Product:

Are any samples for waste disposal?
Yes / No (circle one)
(Please indicate which samples below in Sample Specific Comments field)

For EPH you MUST indicate Category 1 or 2. Please check one of the following:

☐ Category 1 ☐ Category 2

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: VOC	Sample Specific Comments	TOTAL # BOTTLES
19981.1	~~B~~ S-1	11/5/12	815	S	PB	X		
	~~B~~	~~11/5/12~~	~~820~~	~~S~~	~~PB~~	~~X~~		
.2	~~B~~ S-2	11/5/12	830	S	PB	X		
	~~B~~	~~11/5/12~~	~~835~~	~~S~~	~~PB~~	~~X~~		
.3	~~B~~ S-3	11/5/12	845	S	PB	X		
	~~B~~	~~11/5/12~~	~~850~~	~~S~~	~~PB~~	~~X~~		
.4	~~B~~ S-4	11/5/12	900	S	PB	X		
	~~B~~	~~11/5/12~~	~~905~~	~~S~~	~~PB~~	~~X~~		
.5	~~B~~ S-5	11/5/12	915	S	PB	X		
	~~B~~	~~11/5/12~~	~~920~~	~~S~~	~~PB~~	~~X~~		

Preservative Code:
A = None
B = HCl
C = HNO3
D = H2SO4
E = NaOH
F = MeOH
G = NaHSO4
H = Other

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	A
Preservative	A

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	11/5/12	[signature]	11/5/12
[signature]	11/5/12 1500	[signature]	11/5/12 1800
[signature]	11/5/12 2220	[signature]	11/5/12 ~~1800~~ 2220

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-14 (rev. 30-AUG-10)

NJ CHAIN OF CUSTODY

PAGE 2 OF 2

Date Rec'd in Lab:

ALPHA Job #: L1219981

WESTBORO, MA
8 Walkup Drive
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Serial_No:11121215:26

Client Information

Client: Whitestone Associates, Inc.
Address: 35 Technology Drive
Warren, NJ 07059
Phone: 908-668-7777
Fax: 908-754-5936
Email: pbeeslex@whitestoneassoc.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: EJ1111829.002
Project Location: Bronx, NY
Project #: EJ1111829.002
Project Manager: C. Scib
ALPHA Quote #: —

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 11/12/12 Time:

Report Type

☐ Data Summary ☐ NJ Full
☐ NJ Reduced ☒ Other NY Reduced

Regulatory Requirements

☐ SRS-Residential/Non Residential
☐ SRS-Impact To Groundwater
☐ NJ Ground Water Quality Standards
☒ Other NYSDEC SCO

Billing Information

☒ Same as Client info PO #:

Site Information

Is this site impacted by Petroleum?
Yes / No (circle one)
(Please indicate Petroleum Product - See Table 2-1 on reverse side)
Petroleum Product:

Are any samples for waste disposal?
Yes / No (circle one)
(Please indicate which samples below in Sample Specific Comments field)

For EPH you MUST indicate Category 1 or 2. Please check one of the following:

☐ Category 1 ☐ Category 2

ANALYSIS: VOC

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC	Sample Specific Comments	TOTAL # BOTTLES
.6	~~6A~~ S-6	11/5/12	930	S	PB	X		
	~~6B~~	~~11/5/12~~	~~935~~	S	PB	X		
.7	~~7A~~ S-7	11/5/12	945	S	PB	X		
	~~7B~~	~~11/5/12~~	~~950~~	S	PB	X		
.8	~~8A~~ S-8	11/5/12	1000	S	PB	X		
	~~8B~~	~~11/5/12~~	~~1005~~	S	PB	X		
.9	S-1(D)	11/5/12	815	S	PB	X		

Preservative Code:
A = None
B = HCl
C = HNO3
D = H2SO4
E = NaOH
F = MeOH
G = NaHSO4
H = Other

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	A
Preservative	A

Relinquished By:	Date/Time	Received By:	Date/Time
Peter Beeslex	11/5/12	[illegible]	11/5/12
[illegible]	11/5/12 1800	Steve Marc	
Steve Marc	11/5/12 2220	[illegible]	11/5/12 2220

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-14 (rev. 30-AUG-10)

HC·V
HAMPTONCLARKE·VERITECH

175 ROUTE 46 WEST, UNIT D · FAIRFIELD, NJ 07004
2 MADISON ROAD, FAIRFIELD, NJ 07004
800-426-9992 973-244-9770
FAX: 973-244-9787

WWW.HCVLAB.COM

Project: EJ1111829.001

Client PO: Not Available

Report To: Whitestone Associates
35 Technology Drive
Warren, NJ 07059

Attn: P. Beesley

Received Date: 3/8/2012

Report Date: 3/28/2012

Deliverables: NYDOH-R

Lab ID: AC64634

Lab Project No: 2030826

This report is a true report of results obtained from our tests of this material The report relates only to those samples received and analyzed by the laboratory. All results meet the requirements of the NELAC Institute standards. Laboratory reports may not be reproduced, except in full, without the written approval of the laboratory.

In lieu of a formal contract document, the total aggregate liability of Veritech to all parties shall not exceed Veritech's total fee for analytical services rendered.

Robin Cousineau - Quality Assurance Director OR Stanley Gilewicz - Laboratory Director

NJ	(07071)	NY	(ELAP11408)	CT	(PH-0671)	USACE
PA	(68-00463)	KY	(90124)	WV	(353)	

NELAP ACCREDITED TNI LABORATORY

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Inorganic Spreadsheet / QC Summary

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Sample Summary

Client: Whitestone Associates

Project: EJ1111829.001

HCV Project #: 2030826

Lab#	SampleID	Matrix	Collection Date	Receipt Date
AC64634-001	B-5	Soil	3/8/2012	3/8/2012
AC64634-002	B-5-GW	Aqueous	3/8/2012	3/8/2012

HCV Case Narrative

Client: Whitestone Associates
Project: EJ1111829.001

HCV Project: 2030826

This case narrative is in the form of an exception report. Method specific and/or QA/QC anomalies related to this report only are detailed below.

Volatile Organic Analysis:

The Matrix Spike for batch 16912 had recoveries outside QC limits. However, since the associated Method Blank and Laboratory Control Sample were within control, no corrective action was necessary.

Base Neutral Acid Extractable Analysis:

Di-n-butylphthalate was recovered in Method Blank SMB13730 due to laboratory contamination.

Metals Analysis:

The Matrix Spike and Matrix Spike Duplicate for batch 15330 had recoveries outside QC limits. However, since the associated Method Blank and Laboratory Control Sample were within control, no corrective action was necessary. Also, the RPD between the Matrix Spike and Matrix Spike Duplicate is outside QC limits. The RPD criteria were met between the LCS/LCS Method Replicate.

Robin Cousineau
Quality Assurance Director

Or

Stanley Gilewicz
Laboratory Director

3/28/2012
Date

HCV Executive Summary

Client: Whitestone Associates

HCV Project #: 2030826

Project: EJ1111829.001

Lab#: AC64634-001 **Sample ID: B-5**

Analyte	Units	RL	Result	Analytical Method
Aluminum	mg/kg	220	16000	EPA 6010B
Arsenic	mg/kg	2.2	3.1	EPA 6010B
Barium	mg/kg	11	120	EPA 6010B
Beryllium	mg/kg	0.67	0.94	EPA 6010B
Calcium	mg/kg	1100	2500	EPA 6010B
Chromium	mg/kg	5.6	36	EPA 6010B
Cobalt	mg/kg	2.8	13	EPA 6010B
Copper	mg/kg	5.6	31	EPA 6010B
Iron	mg/kg	220	26000	EPA 6010B
Lead	mg/kg	5.6	40	EPA 6010B
Magnesium	mg/kg	560	6000	EPA 6010B
Manganese	mg/kg	11	390	EPA 6010B
Nickel	mg/kg	5.6	25	EPA 6010B
Potassium	mg/kg	560	4500	EPA 6010B
Vanadium	mg/kg	11	45	EPA 6010B
Zinc	mg/kg	11	82	EPA 6010B
Mercury	mg/kg	0.094	0.11	EPA 7471A
Anthracene	mg/kg	0.037	0.11	EPA 8270C
Benzo[a]anthracene	mg/kg	0.037	0.59	EPA 8270C
Benzo[a]pyrene	mg/kg	0.037	0.45	EPA 8270C
Benzo[b]fluoranthene	mg/kg	0.037	0.60	EPA 8270C
Benzo[g,h,i]perylene	mg/kg	0.037	0.28	EPA 8270C
Benzo[k]fluoranthene	mg/kg	0.037	0.23	EPA 8270C
Carbazole	mg/kg	0.037	0.041	EPA 8270C
Chrysene	mg/kg	0.037	0.54	EPA 8270C
Dibenzo[a,h]anthracene	mg/kg	0.037	0.14	EPA 8270C
Fluoranthene	mg/kg	0.037	0.99	EPA 8270C
Fluorene	mg/kg	0.037	0.058	EPA 8270C
Indeno[1,2,3-cd]pyrene	mg/kg	0.037	0.29	EPA 8270C
Phenanthrene	mg/kg	0.037	0.46	EPA 8270C
Pyrene	mg/kg	0.037	0.90	EPA 8270C

NOTE: Soil Results are reported to Dry Weight

HCV Executive Summary

Client: Whitestone Associates

HCV Project #: 2030826

Project: EJ1111829.001

Lab#: AC64634-002 **Sample ID: B-5-GW**

Analyte	Units	RL	Result	Analytical Method
cis-1,2-Dichloroethene	ug/l	1.0	36	EPA 8260B
Tetrachloroethene	ug/l	1.0	1.2	EPA 8260B
trans-1,2-Dichloroethene	ug/l	1.0	1.1	EPA 8260B
Trichloroethene	ug/l	1.0	20	EPA 8260B
Vinyl chloride	ug/l	1.0	12	EPA 8260B
Anthracene	ug/l	2.0	2.6	EPA 8270C
Benzo[a]anthracene	ug/l	2.0	7.1	EPA 8270C
Benzo[a]pyrene	ug/l	2.0	7.4	EPA 8270C
Benzo[b]fluoranthene	ug/l	2.0	8.6	EPA 8270C
Benzo[g,h,i]perylene	ug/l	2.0	5.2	EPA 8270C
Benzo[k]fluoranthene	ug/l	2.0	3.4	EPA 8270C
Benzoic acid	ug/l	5.8	190	EPA 8270C
Chrysene	ug/l	2.0	6.2	EPA 8270C
Fluoranthene	ug/l	2.0	11	EPA 8270C
Indeno[1,2,3-cd]pyrene	ug/l	2.0	4.8	EPA 8270C
Phenanthrene	ug/l	2.0	6.5	EPA 8270C
Pyrene	ug/l	2.0	12	EPA 8270C

HCV Report Of Analysis

Client: Whitestone Associates
Project: EJ1111829.001

HCV Project #: 2030826

Sample ID: B-5
Lab#: AC64634-001
Matrix: Soil

Collection Date: 3/8/2012
Receipt Date: 3/8/2012

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**89**

Mercury (Soil/Waste) 7471A

Analyte	DF	Units	RL	Result
Mercury	**1**	**mg/kg**	**0.094**	**0.11**

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,2-Diphenylhydrazine	1	mg/kg	0.037	ND
2,4,5-Trichlorophenol	1	mg/kg	0.037	ND
2,4,6-Trichlorophenol	1	mg/kg	0.037	ND
2,4-Dichlorophenol	1	mg/kg	0.0094	ND
2,4-Dimethylphenol	1	mg/kg	0.037	ND
2,4-Dinitrophenol	1	mg/kg	0.19	ND
2,4-Dinitrotoluene	1	mg/kg	0.037	ND
2,6-Dinitrotoluene	1	mg/kg	0.037	ND
2-Chloronaphthalene	1	mg/kg	0.037	ND
2-Chlorophenol	1	mg/kg	0.037	ND
2-Methylnaphthalene	1	mg/kg	0.037	ND
2-Methylphenol	1	mg/kg	0.0094	ND
2-Nitroaniline	1	mg/kg	0.037	ND
2-Nitrophenol	1	mg/kg	0.037	ND
3&4-Methylphenol	1	mg/kg	0.0094	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.037	ND
3-Nitroaniline	1	mg/kg	0.037	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.037	ND
4-Bromophenyl-phenylether	1	mg/kg	0.037	ND
4-Chloro-3-methylphenol	1	mg/kg	0.037	ND
4-Chloroaniline	1	mg/kg	0.018	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.037	ND
4-Nitroaniline	1	mg/kg	0.037	ND
4-Nitrophenol	1	mg/kg	0.037	ND
Acenaphthene	1	mg/kg	0.037	ND
Acenaphthylene	1	mg/kg	0.037	ND
Aniline	1	mg/kg	0.015	ND
Anthracene	**1**	**mg/kg**	**0.037**	**0.11**
Benzidine	1	mg/kg	0.037	ND
Benzo[a]anthracene	**1**	**mg/kg**	**0.037**	**0.59**
Benzo[a]pyrene	**1**	**mg/kg**	**0.037**	**0.45**
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.037**	**0.60**
Benzo[g,h,i]perylene	**1**	**mg/kg**	**0.037**	**0.28**
Benzo[k]fluoranthene	**1**	**mg/kg**	**0.037**	**0.23**
Benzoic acid	1	mg/kg	0.15	ND
bis(2-Chloroethoxy)methane	1	mg/kg	0.037	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.0094	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.037	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.037	ND
Butylbenzylphthalate	1	mg/kg	0.037	ND

Sample ID: B-5
Lab#: AC64634-001
Matrix: Soil

Collection Date: 3/8/2012
Receipt Date: 3/8/2012

Carbazole	**1**	**mg/kg**	**0.037**	**0.041**
Chrysene	**1**	**mg/kg**	**0.037**	**0.54**
Dibenzo[a,h]anthracene	**1**	**mg/kg**	**0.037**	**0.14**
Dibenzofuran	1	mg/kg	0.0094	ND
Diethylphthalate	1	mg/kg	0.037	ND
Dimethylphthalate	1	mg/kg	0.037	ND
Di-n-butylphthalate	1	mg/kg	0.019	ND
Di-n-octylphthalate	1	mg/kg	0.037	ND
Fluoranthene	**1**	**mg/kg**	**0.037**	**0.99**
Fluorene	**1**	**mg/kg**	**0.037**	**0.058**
Hexachlorobenzene	1	mg/kg	0.037	ND
Hexachlorobutadiene	1	mg/kg	0.037	ND
Hexachlorocyclopentadiene	1	mg/kg	0.037	ND
Hexachloroethane	1	mg/kg	0.037	ND
Indeno[1,2,3-cd]pyrene	**1**	**mg/kg**	**0.037**	**0.29**
Isophorone	1	mg/kg	0.037	ND
Naphthalene	1	mg/kg	0.0094	ND
Nitrobenzene	1	mg/kg	0.037	ND
N-Nitrosodimethylamine	1	mg/kg	0.037	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.0094	ND
N-Nitrosodiphenylamine	1	mg/kg	0.037	ND
Pentachlorophenol	1	mg/kg	0.19	ND
Phenanthrene	**1**	**mg/kg**	**0.037**	**0.46**
Phenol	1	mg/kg	0.037	ND
Pyrene	**1**	**mg/kg**	**0.037**	**0.90**

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**220**	**16000**
Antimony	1	mg/kg	2.2	ND
Arsenic	**1**	**mg/kg**	**2.2**	**3.1**
Barium	**1**	**mg/kg**	**11**	**120**
Beryllium	**1**	**mg/kg**	**0.67**	**0.94**
Cadmium	1	mg/kg	0.67	ND
Calcium	**1**	**mg/kg**	**1100**	**2500**
Chromium	**1**	**mg/kg**	**5.6**	**36**
Cobalt	**1**	**mg/kg**	**2.8**	**13**
Copper	**1**	**mg/kg**	**5.6**	**31**
Iron	1	mg/kg	220	26000
Lead	**1**	**mg/kg**	**5.6**	**40**
Magnesium	**1**	**mg/kg**	**560**	**6000**
Manganese	**1**	**mg/kg**	**11**	**390**
Nickel	**1**	**mg/kg**	**5.6**	**25**
Potassium	**1**	**mg/kg**	**560**	**4500**
Selenium	1	mg/kg	2.0	ND
Silver	1	mg/kg	1.7	ND
Sodium	1	mg/kg	280	ND
Thallium	1	mg/kg	1.3	ND
Vanadium	**1**	**mg/kg**	**11**	**45**
Zinc	**1**	**mg/kg**	**11**	**82**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.98	mg/kg	0.0022	ND
1,1,2,2-Tetrachloroethane	0.98	mg/kg	0.0022	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.98	mg/kg	0.0011	ND
1,1,2-Trichloroethane	0.98	mg/kg	0.0022	ND

Sample ID: B-5
Lab#: AC64634-001
Matrix: Soil

Collection Date: 3/8/2012
Receipt Date: 3/8/2012

1,1-Dichloroethane	0.98	mg/kg	0.0022	ND
1,1-Dichloroethene	0.98	mg/kg	0.0022	ND
1,2,3-Trichloropropane	0.98	mg/kg	0.0022	ND
1,2,4-Trimethylbenzene	0.98	mg/kg	0.0011	ND
1,2-Dichlorobenzene	0.98	mg/kg	0.0022	ND
1,2-Dichloroethane	0.98	mg/kg	0.0022	ND
1,2-Dichloropropane	0.98	mg/kg	0.0022	ND
1,3,5-Trimethylbenzene	0.98	mg/kg	0.0011	ND
1,3-Dichlorobenzene	0.98	mg/kg	0.0022	ND
1,3-Dichloropropane	0.98	mg/kg	0.0022	ND
1,4-Dichlorobenzene	0.98	mg/kg	0.0022	ND
1,4-Dioxane	0.98	mg/kg	0.11	ND
2-Butanone	0.98	mg/kg	0.0011	ND
2-Chloroethylvinylether	0.98	mg/kg	0.0022	ND
2-Hexanone	0.98	mg/kg	0.0022	ND
4-Isopropyltoluene	0.98	mg/kg	0.0011	ND
4-Methyl-2-pentanone	0.98	mg/kg	0.0022	ND
Acetone	0.98	mg/kg	0.011	ND
Acrolein	0.98	mg/kg	0.011	ND
Acrylonitrile	0.98	mg/kg	0.0055	ND
Benzene	0.98	mg/kg	0.0011	ND
Bromodichloromethane	0.98	mg/kg	0.0022	ND
Bromoform	0.98	mg/kg	0.0022	ND
Bromomethane	0.98	mg/kg	0.0022	ND
Carbon disulfide	0.98	mg/kg	0.0022	ND
Carbon tetrachloride	0.98	mg/kg	0.0022	ND
Chlorobenzene	0.98	mg/kg	0.0022	ND
Chloroethane	0.98	mg/kg	0.0022	ND
Chloroform	0.98	mg/kg	0.0022	ND
Chloromethane	0.98	mg/kg	0.0022	ND
cis-1,2-Dichloroethene	0.98	mg/kg	0.0022	ND
cis-1,3-Dichloropropene	0.98	mg/kg	0.0022	ND
Dibromochloromethane	0.98	mg/kg	0.0022	ND
Dichlorodifluoromethane	0.98	mg/kg	0.0022	ND
Ethylbenzene	0.98	mg/kg	0.0011	ND
Isopropylbenzene	0.98	mg/kg	0.0011	ND
m&p-Xylenes	0.98	mg/kg	0.0011	ND
Methylene chloride	0.98	mg/kg	0.0022	ND
Methyl-t-butyl ether	0.98	mg/kg	0.0011	ND
n-Butylbenzene	0.98	mg/kg	0.0011	ND
n-Propylbenzene	0.98	mg/kg	0.0011	ND
o-Xylene	0.98	mg/kg	0.0011	ND
sec-Butylbenzene	0.98	mg/kg	0.0011	ND
Styrene	0.98	mg/kg	0.0022	ND
t-Butyl Alcohol	0.98	mg/kg	0.011	ND
t-Butylbenzene	0.98	mg/kg	0.0011	ND
Tetrachloroethene	0.98	mg/kg	0.0011	ND
Toluene	0.98	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.98	mg/kg	0.0022	ND
trans-1,3-Dichloropropene	0.98	mg/kg	0.0022	ND
Trichloroethene	0.98	mg/kg	0.0022	ND
Trichlorofluoromethane	0.98	mg/kg	0.0022	ND
Vinyl chloride	0.98	mg/kg	0.0022	ND
Xylenes (Total)	0.98	mg/kg	0.0011	ND

Sample ID: B-5-GW
Lab#: AC64634-002
Matrix: Aqueous

Collection Date: 3/8/2012
Receipt Date: 3/8/2012

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,2-Diphenylhydrazine	1	ug/l	2.0	ND
2,4,5-Trichlorophenol	1	ug/l	2.0	ND
2,4,6-Trichlorophenol	1	ug/l	2.0	ND
2,4-Dichlorophenol	1	ug/l	2.0	ND
2,4-Dimethylphenol	1	ug/l	2.0	ND
2,4-Dinitrophenol	1	ug/l	10	ND
2,4-Dinitrotoluene	1	ug/l	2.0	ND
2,6-Dinitrotoluene	1	ug/l	2.0	ND
2-Chloronaphthalene	1	ug/l	2.0	ND
2-Chlorophenol	1	ug/l	2.0	ND
2-Methylnaphthalene	1	ug/l	2.0	ND
2-Methylphenol	1	ug/l	0.50	ND
2-Nitroaniline	1	ug/l	2.0	ND
2-Nitrophenol	1	ug/l	2.0	ND
3&4-Methylphenol	1	ug/l	0.50	ND
3,3'-Dichlorobenzidine	1	ug/l	2.0	ND
3-Nitroaniline	1	ug/l	2.0	ND
4,6-Dinitro-2-methylphenol	1	ug/l	2.0	ND
4-Bromophenyl-phenylether	1	ug/l	2.0	ND
4-Chloro-3-methylphenol	1	ug/l	2.0	ND
4-Chloroaniline	1	ug/l	0.50	ND
4-Chlorophenyl-phenylether	1	ug/l	2.0	ND
4-Nitroaniline	1	ug/l	2.0	ND
4-Nitrophenol	1	ug/l	2.0	ND
Acenaphthene	1	ug/l	2.0	ND
Acenaphthylene	1	ug/l	2.0	ND
Aniline	1	ug/l	2.0	ND
Anthracene	**1**	**ug/l**	**2.0**	**2.6**
Benzidine	1	ug/l	10	ND
Benzo[a]anthracene	**1**	**ug/l**	**2.0**	**7.1**
Benzo[a]pyrene	**1**	**ug/l**	**2.0**	**7.4**
Benzo[b]fluoranthene	**1**	**ug/l**	**2.0**	**8.6**
Benzo[g,h,i]perylene	**1**	**ug/l**	**2.0**	**5.2**
Benzo[k]fluoranthene	**1**	**ug/l**	**2.0**	**3.4**
Benzoic acid	**1**	**ug/l**	**5.8**	**190**
bis(2-Chloroethoxy)methane	1	ug/l	2.0	ND
bis(2-Chloroethyl)ether	1	ug/l	0.50	ND
bis(2-Chloroisopropyl)ether	1	ug/l	2.0	ND
bis(2-Ethylhexyl)phthalate	1	ug/l	2.0	ND
Butylbenzylphthalate	1	ug/l	2.0	ND
Carbazole	1	ug/l	2.0	ND
Chrysene	**1**	**ug/l**	**2.0**	**6.2**
Dibenzo[a,h]anthracene	1	ug/l	2.0	ND
Dibenzofuran	1	ug/l	0.50	ND
Diethylphthalate	1	ug/l	2.0	ND
Dimethylphthalate	1	ug/l	2.0	ND
Di-n-butylphthalate	1	ug/l	0.50	ND
Di-n-octylphthalate	1	ug/l	2.0	ND
Fluoranthene	**1**	**ug/l**	**2.0**	**11**
Fluorene	1	ug/l	2.0	ND
Hexachlorobenzene	1	ug/l	2.0	ND
Hexachlorobutadiene	1	ug/l	2.0	ND
Hexachlorocyclopentadiene	1	ug/l	2.0	ND
Hexachloroethane	1	ug/l	2.0	ND

Sample ID: B-5-GW **Collection Date: 3/8/2012**
Lab#: AC64634-002 **Receipt Date: 3/8/2012**
Matrix: Aqueous

Indeno[1,2,3-cd]pyrene	**1**	**ug/l**	**2.0**	**4.8**
Isophorone	1	ug/l	2.0	ND
Naphthalene	1	ug/l	0.50	ND
Nitrobenzene	1	ug/l	2.0	ND
N-Nitrosodimethylamine	1	ug/l	2.0	ND
N-Nitroso-di-n-propylamine	1	ug/l	0.50	ND
N-Nitrosodiphenylamine	1	ug/l	2.0	ND
Pentachlorophenol	1	ug/l	10	ND
Phenanthrene	**1**	**ug/l**	**2.0**	**6.5**
Phenol	1	ug/l	2.0	ND
Pyrene	**1**	**ug/l**	**2.0**	**12**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichloropropane	1	ug/l	1.0	ND
1,2,4-Trimethylbenzene	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3,5-Trimethylbenzene	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,3-Dichloropropane	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Chloroethylvinylether	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Isopropyltoluene	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Acrolein	1	ug/l	5.0	ND
Acrylonitrile	1	ug/l	2.0	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	0.50	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	**1**	**ug/l**	**1.0**	**36**
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	0.56	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND

Sample ID: B-5-GW
Lab#: AC64634-002
Matrix: Aqueous

Collection Date: 3/8/2012
Receipt Date: 3/8/2012

n-Butylbenzene	1	ug/l	1.0	ND
n-Propylbenzene	1	ug/l	1.0	ND
o-Xylene	1	ug/l	1.0	ND
sec-Butylbenzene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
t-Butyl Alcohol	1	ug/l	5.0	ND
t-Butylbenzene	1	ug/l	1.0	ND
Tetrachloroethene	**1**	**ug/l**	**1.0**	**1.2**
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	**1**	**ug/l**	**1.0**	**1.1**
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	**1**	**ug/l**	**1.0**	**20**
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	**1**	**ug/l**	**1.0**	**12**
Xylenes (Total)	1	ug/l	1.0	ND

HCV Reporting Limit Definitions/Data Qualifiers

REPORTING DEFINITIONS

DF = Dilution Factor

MDL = Method Detection Limit

RL* = Reporting Limit

ND = Not Detected

RT = Retention Time

NA = Not Applicable

**Samples with elevated Reporting Limits (RLs) as a result of a dilution may not achieve client reporting limits in some cases. The elevated RLs are unavoidable consequences of sample dilution required to quantitate target analytes that exceed the calibration range of the instrument.*

DATA QUALIFIERS

B- Indicates analyte was present in the Method Blank and sample.

d- For Pesticide and PCB analysis, the concentration between primary and secondary columns is greater than 40%. The lower concentration is generally reported.

E- Indicates the concentration exceeded the upper calibration range of the instrument.

J- Indicates the value is estimated because it is either a Tentatively Identified Compound (TIC) or the reported concentration is greater than the MDL but less than the RL. For samples results between the MDL and RL there is a possibility of false positives or misidentification at the quantitation levels. Additionally, the acceptance criteria for QC samples may not be met.

Laboratory Chronicle

2030826 0012

Client: Whitestone Associates

HCV Project #: 2030826

Project: EJ1111829.001

Lab#: AC64634-001 **Sample ID: B-5**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	3/12/12 00:00	janee
Mercury (Soil/Waste) 7471A	EPA 7471A	03/09/12	julijana	EPA 7471A	3/12/12 14:46	CJA
Semivolatile Organics (no search) 8270	3510C/3550B	03/10/12	mahaliac	EPA 8270C	3/11/12 21:14	AHD
TAL Metals 6010	3005&10/3050	03/09/12	julijana	EPA 6010B	3/13/12 12:33	OA
TAL Metals 6010	3005&10/3050	03/09/12	julijana	EPA 6010B	3/12/12 20:21	OA
TAL Metals 6010	3005&10/3050	03/09/12	julijana	EPA 6010B	3/12/12 20:19	OA
TAL Metals 6010	3005&10/3050	03/09/12	julijana	EPA 6010B	3/12/12 18:46	OA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	3/12/12 14:15	DB

Lab#: AC64634-002 **Sample ID: B-5-GW**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Semivolatile Organics (no search) 8270	3510C/3550B	03/13/12	abdul	EPA 8270C	3/14/12 11:31	AHD
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	3/13/12 16:52	WP

Chain of Custody

Vertech/Division of Hampton Clarke
175 Route 46 West and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1458
Service Center: 137-D Gaither Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056

HC-V HamptonClarke·Veritech

CHAIN OF CUSTODY RECORD

2030826

Page 1 of 1

NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | WV #353 | KY #90124

2030826 0014

Customer Information

1a) Customer: Whitestone Associates Inc.
Address: 35 Technology Drive
Warren, NJ 07059
1b) Email/Cell/Fax/Ph: 908-668-7777
1c) Send Invoice to: Whitestone - Pat B
1d) Send Report to: Whitestone - Pat B

Project Information

2a) Project: EJ111824.001
2b) Project Mgr: C. Seib
2c) Project Location (City/State): Bronx, NY
2d) Quote/PO # (If Applicable): —

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Deliv.
24 Hours (100%)	Data Summary	Hazsite/CSV
48 Hours (75%)	Waste	EQuIS 4-File / EZ / NYS
72 Hours (50%)	Reg: NJ / NY / PA	EQuIS EPA Region 2 or 5
4 Days (35%; TPH)	CLP	Excel - NJ Regulatory
1 Week (25%; EPH)	Full / Category B	Excel - NY Regulatory
10 Days (10%)	Category A	Excel - PA Regulatory
2 Weeks	Other:	PDF
Other:		Other:

Expedited TAT Not Always Available. Please Check with Lab.

FOR LAB USE ONLY ↓

Batch # AC64634

Check If Contingent ===>

Matrix Codes
DW - Drinking Water, S - Soil, A - Air, GW - Ground Water, SL - Sludge, WW - Waste Water, OL - Oil, OT - Other (please specify under item 9, Comments)

7) Analysis Request <=== Check If Contingent

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Composite (C)	Grab (G)	VOC	SVOC	TAL Metals	8) # of Bottles None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
001	B-5	S	3/8/12	8:20AM		X	X	X	X	2								
002	B-5-GW	GW	3/8/12	9:30AM		X	X	X		1				3				

10) Relinquished by:	Accepted by:	Date	Time
John Capozzolo	Peter Bz	3/8/12	1400
Pat Bz	[illegible]	3/8/12	1450
Tom [illegible]	[illegible]	3/8/12	1650

Comments, Notes, Special Requirements, HAZARDS

Note: Check if low-level groundwater methods required to meet current standards in NJ or PA:
- [ ] BN or BNA (8270C SIM)
- [ ] VOC (8260B SIM or 8011)
- [ ] Metals (ICP-MS 200.8 or 6020)
- [ ] Metals-Soil (ICP-MS 6020 for Be & Ag)

Note: Check if applicable:
- [ ] Project-Specific Reporting Limits
- [ ] High Contaminant Concentrations
- [ ] NJ LSRP Project

Cooler Temperature: 3.8

Additional Notes

11) Sampler (print name): John Capozzolo Date: 3/8/12

Please circle required parameter list (refer to HC-V summary): i) NJ 2008 SRS; ii) Current TCL; iii) HC-V 2010 Merged; iv) PA; v) NY; vi) Project-Specific

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.

CONDITION UPON RECEIPT

Batch Number AC64634

Entered By: ricardo
Date Entered 3/8/2012 6:45:00 PM

1	Yes	Is there a corresponding COC included with the samples?
2	Yes	Are the samples in a container such as a cooler or Ice chest?
3	Yes	Are the COC seals intact?
4	Yes	Please specify the Temperature inside the container (in degC) 3.8C
5	Yes	Are the samples refrigerated (where required)/have they arrived on ice?
6	Yes	Are the samples within the holding times for the parameters listed on the COC? IF no, list parameters and samples:
7	Yes	Are all of the sample bottles intact? If no, specify sample numbers broken/leaking
8	Yes	Are all of the sample labels or numbers legible? If no specify:
9	Yes	Do the contents match the COC? If no, specify
10	NO	Is there enough sample sent for the analyses listed on the COC? If no, specify: ONLY ONE 1L AMBER RECEIVED FOR SVOC FOR SAMPLE B-5-GW. LIMITED VOLUME
11	NO	Are samples preserved correctly?
12	Yes	Was temperature blank present (Place comment below if not)? If not was temperature of samples verified?
13	NA	Other comments ...Specify
14	NA	Corrective actions (Specify item number and corrective action taken).

PRESERVATION DOCUMENT

Batch Number AC64634

Entered By: ricardo
Date Entered 3/8/2012 6:48:00 PM

Lab#:	Container Siz	Container Typ	Paramete	Preservative	PH
AC64634-001	NA	NA	NA	NA	NA
AC64634-002	40ML	G	VO+10	HCL	5

Internal Chain of Custody

2030826 0017

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis
AC64634-001	03/08/12 16:50	RICAR	0	M	Received
AC64634-001	03/08/12 18:45	RICAR	0	M	Login
AC64634-001	03/08/12 22:51	PA	1	A	mixing
AC64634-001	03/08/12 22:52	R12	1	A	NONE
AC64634-001	03/09/12 14:02	SDL	1	A	mixing
AC64634-001	03/09/12 14:57	JU	1	A	tdsi-hg
AC64634-001	03/09/12 16:07	RAMO	1	A	r12
AC64634-001	03/10/12 23:07	R12	1	A	NONE
AC64634-001	03/10/12 23:07	MLC	1	A	BNA
AC64634-001	03/12/12 08:25	DW	1	A	% SOLIDS
AC64634-001	03/12/12 16:47	R12	1	A	NONE
AC64634-001	03/09/12 08:35	R30	2	A	NONE
AC64634-001	03/12/12 08:15	WP	2	A	voa
AC64634-001	03/12/12 08:45	R30	2	A	NONE
AC64634-002	03/08/12 16:50	RICAR	0	M	Received
AC64634-002	03/08/12 18:45	RICAR	0	M	Login
AC64634-002	03/13/12 12:32	ABM	1	A	BNA
AC64634-002	03/13/12 16:07	R12	1	A	NONE
AC64634-002	03/09/12 08:30	R31	2	A	NONE
AC64634-002	03/09/12 08:30	R31	3	A	NONE
AC64634-002	03/13/12 09:32	WP	3	A	VOA
AC64634-002	03/09/12 08:30	R31	4	A	NONE

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis

Samples marked as received are stored in coolers or refrigerator R12, or R24 at 4 deg C until Login

Volatile Data

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC64634-001
Client Id: B-5
Data File: 1M80187.D
Analysis Date: 03/12/12 14:15
Date Rec/Extracted: 03/08/12-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5.1g
Final Vol: NA
Dilution: 0.980
Solids: 89

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0022	U	56-23-5	Carbon Tetrachloride	0.0022	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0022	U	108-90-7	Chlorobenzene	0.0022	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0011	U	75-00-3	Chloroethane	0.0022	U
79-00-5	1,1,2-Trichloroethane	0.0022	U	67-66-3	Chloroform	0.0022	U
75-34-3	1,1-Dichloroethane	0.0022	U	74-87-3	Chloromethane	0.0022	U
75-35-4	1,1-Dichloroethene	0.0022	U	156-59-2	cis-1,2-Dichloroethene	0.0022	U
96-18-4	1,2,3-Trichloropropane	0.0022	U	10061-01-5	cis-1,3-Dichloropropene	0.0022	U
95-63-6	1,2,4-Trimethylbenzene	0.0011	U	124-48-1	Dibromochloromethane	0.0022	U
95-50-1	1,2-Dichlorobenzene	0.0022	U	75-71-8	Dichlorodifluoromethane	0.0022	U
107-06-2	1,2-Dichloroethane	0.0022	U	100-41-4	Ethylbenzene	0.0011	U
78-87-5	1,2-Dichloropropane	0.0022	U	98-82-8	Isopropylbenzene	0.0011	U
108-67-8	1,3,5-Trimethylbenzene	0.0011	U	136777612	m&p-Xylenes	0.0011	U
541-73-1	1,3-Dichlorobenzene	0.0022	U	75-09-2	Methylene Chloride	0.0022	U
142-28-9	1,3-Dichloropropane	0.0022	U	1634-04-4	Methyl-t-butyl ether	0.0011	U
106-46-7	1,4-Dichlorobenzene	0.0022	U	104-51-8	n-Butylbenzene	0.0011	U
123-91-1	1,4-Dioxane	0.11	U	103-65-1	n-Propylbenzene	0.0011	U
78-93-3	2-Butanone	0.0011	U	95-47-6	o-Xylene	0.0011	U
110-75-8	2-Chloroethylvinylether	0.0022	U	135-98-8	sec-Butylbenzene	0.0011	U
591-78-6	2-Hexanone	0.0022	U	100-42-5	Styrene	0.0022	U
99-87-6	4-Isopropyltoluene	0.0011	U	75-65-0	t-Butyl Alcohol	0.011	U
108-10-1	4-Methyl-2-Pentanone	0.0022	U	98-06-6	t-Butylbenzene	0.0011	U
67-64-1	Acetone	0.011	U	127-18-4	Tetrachloroethene	0.0011	U
107-02-8	Acrolein	0.011	U	108-88-3	Toluene	0.0011	U
107-13-1	Acrylonitrile	0.0055	U	156-60-5	trans-1,2-Dichloroethene	0.0022	U
71-43-2	Benzene	0.0011	U	10061-02-6	trans-1,3-Dichloropropene	0.0022	U
75-27-4	Bromodichloromethane	0.0022	U	79-01-6	Trichloroethene	0.0022	U
75-25-2	Bromoform	0.0022	U	75-69-4	Trichlorofluoromethane	0.0022	U
74-83-9	Bromomethane	0.0022	U	75-01-4	Vinyl Chloride	0.0022	U
75-15-0	Carbon Disulfide	0.0022	U	1330-20-7	Xylenes (Total)	0.0011	U

Worksheet #: 221046

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

2030826 0020

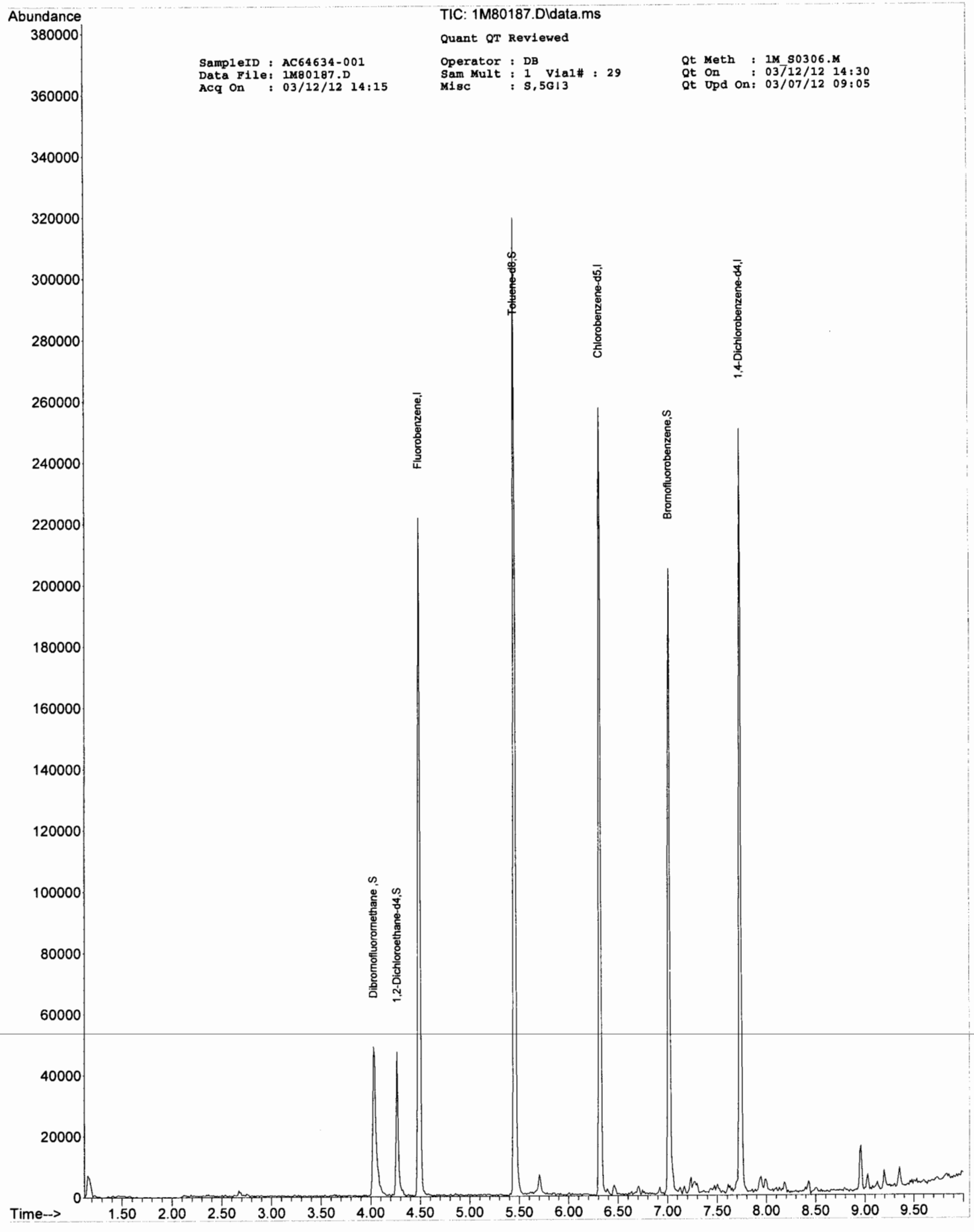
SampleID : AC64634-001 Operator : DB Qt Meth : 1M_S0306.M
Data File: 1M80187.D Sam Mult : 1 Vial# : 29 Qt On : 03/12/12 14:30
Acq On : 03/12/12 14:15 Misc : S,5G!3 Qt Upd On: 03/07/12 09:05

Data Path : G:\GcMsData\2012\gcms_1\Data\03-12-12\
Qt Path : G:\GCMSDATA\2012\GCMS_1\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.492	96	151954	30.00	ug/l	0.01
50) Chlorobenzene-d5	6.322	117	126507	30.00	ug/l	0.02
68) 1,4-Dichlorobenzene-d4	7.738	152	68884	30.00	ug/l	0.01
System Monitoring Compounds						
36) Dibromofluoromethane	4.030	111	34897	31.29	ug/l	0.01
Spiked Amount 30.000			Recovery = 104.30%			
38) 1,2-Dichloroethane-d4	4.266	67	13200	32.39	ug/l	0.01
Spiked Amount 30.000			Recovery = 107.97%			
64) Toluene-d8	5.456	98	162457	28.49	ug/l	0.01
Spiked Amount 30.000			Recovery = 94.97%			
74) Bromofluorobenzene	7.020	174	61256	30.54	ug/l	0.01
Spiked Amount 30.000			Recovery = 101.80%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 1M80187.D\data.ms
Quant QT Reviewed
SampleID : AC64634-001
Data File: 1M80187.D
Acq On : 03/12/12 14:15
Operator : DB
Sam Mult : 1 Vial# : 29
Misc : S,5G13
Qt Meth : 1M_S0306.M
Qt On : 03/12/12 14:30
Qt Upd On: 03/07/12 09:05
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC64634-002
Client Id: B-5-GW
Data File: 6M80353.D
Analysis Date: 03/13/12 16:52
Date Rec/Extracted: 03/08/12-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	**156-59-2**	**cis-1,2-Dichloroethene**	**1.0**	**36**
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U	124-48-1	Dibromochloromethane	0.56	U
95-50-1	1,2-Dichlorobenzene	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	100-41-4	Ethylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U	136777612	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2	Methylene Chloride	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
106-46-7	1,4-Dichlorobenzene	1.0	U	104-51-8	n-Butylbenzene	1.0	U
123-91-1	1,4-Dioxane	50	U	103-65-1	n-Propylbenzene	1.0	U
78-93-3	2-Butanone	1.0	U	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	U	135-98-8	sec-Butylbenzene	1.0	U
591-78-6	2-Hexanone	1.0	U	100-42-5	Styrene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	98-06-6	t-Butylbenzene	1.0	U
67-64-1	Acetone	10	U	**127-18-4**	**Tetrachloroethene**	**1.0**	**1.2**
107-02-8	Acrolein	5.0	U	108-88-3	Toluene	1.0	U
107-13-1	Acrylonitrile	2.0	U	**156-60-5**	**trans-1,2-Dichloroethene**	**1.0**	**1.1**
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-27-4	Bromodichloromethane	0.50	U	**79-01-6**	**Trichloroethene**	**1.0**	**20**
75-25-2	Bromoform	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
74-83-9	Bromomethane	1.0	U	**75-01-4**	**Vinyl Chloride**	**1.0**	**12**
75-15-0	Carbon Disulfide	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

Worksheet #: 221046 ***Total Target Concentration*** 1 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

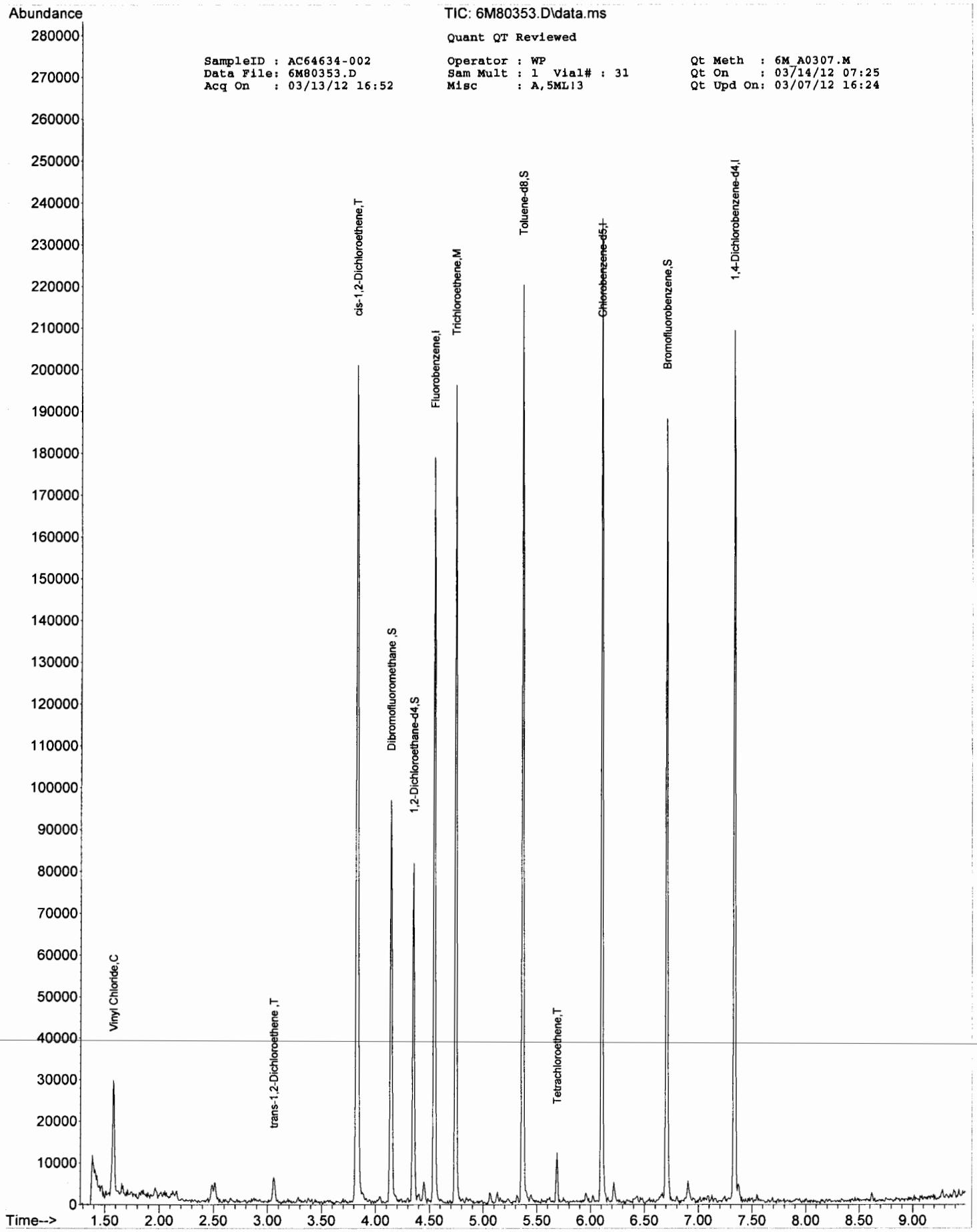
2030826 0023

SampleID : AC64634-002 Operator : WP Qt Meth : 6M_A0307.M
Data File: 6M80353.D Sam Mult : 1 Vial# : 31 Qt On : 03/14/12 07:25
Acq On : 03/13/12 16:52 Misc : A,5ML!3 Qt Upd On: 03/07/12 16:24

Data Path : G:\GcMsData\2012\gcms_6\Data\03-13-12\
Qt Path : G:\GCMSDATA\2012\gcms_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.544	96	82519	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.102	117	70557	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.330	152	35534	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.141	111	34647	32.25	ug/l	0.00
Spiked Amount 30.000			Recovery = 107.50%			
38) 1,2-Dichloroethane-d4	4.351	67	17912	33.21	ug/l	0.00
Spiked Amount 30.000			Recovery = 110.70%			
65) Toluene-d8	5.368	98	79822	26.92	ug/l	0.00
Spiked Amount 30.000			Recovery = 89.73%			
75) Bromofluorobenzene	6.704	174	33144	27.03	ug/l	0.00
Spiked Amount 30.000			Recovery = 90.10%			
Target Compounds						Qvalue
9) Vinyl Chloride	1.578	62	17333	11.7817	ug/l	99
28) trans-1,2-Dichloroethene	3.058	96	1510	1.0594	ug/l	88
29) cis-1,2-Dichloroethene	3.828	61	88970	36.3203	ug/l	67
48) Trichloroethene	4.742	130	34394	19.7532	ug/l	98
64) Tetrachloroethene	5.687	164	1612	1.1573	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 6M80353.D\data.ms
Quant QT Reviewed
SampleID : AC64634-002
Data File: 6M80353.D
Acq On : 03/13/12 16:52
Operator : WP
Sam Mult : 1 Vial# : 31
Misc : A,5ML!3
Qt Meth : 6M_A0307.M
Qt On : 03/14/12 07:25
Qt Upd On: 03/07/12 16:24
Vinyl Chloride,C
trans-1,2-Dichloroethene,T
cis-1,2-Dichloroethene,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
Toluene-d8,S
Tetrachloroethene,T
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 1M80165.D
Analysis Date: 03/12/12 07:17
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5g
Final Vol: NA
Dilution: 1.00
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0020	U	56-23-5	Carbon Tetrachloride	0.0020	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0020	U	108-90-7	Chlorobenzene	0.0020	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0010	U	75-00-3	Chloroethane	0.0020	U
79-00-5	1,1,2-Trichloroethane	0.0020	U	67-66-3	Chloroform	0.0020	U
75-34-3	1,1-Dichloroethane	0.0020	U	74-87-3	Chloromethane	0.0020	U
75-35-4	1,1-Dichloroethene	0.0020	U	156-59-2	cis-1,2-Dichloroethene	0.0020	U
96-18-4	1,2,3-Trichloropropane	0.0020	U	10061-01-5	cis-1,3-Dichloropropene	0.0020	U
95-63-6	1,2,4-Trimethylbenzene	0.0010	U	124-48-1	Dibromochloromethane	0.0020	U
95-50-1	1,2-Dichlorobenzene	0.0020	U	75-71-8	Dichlorodifluoromethane	0.0020	U
107-06-2	1,2-Dichloroethane	0.0020	U	100-41-4	Ethylbenzene	0.0010	U
78-87-5	1,2-Dichloropropane	0.0020	U	98-82-8	Isopropylbenzene	0.0010	U
108-67-8	1,3,5-Trimethylbenzene	0.0010	U	136777612	m&p-Xylenes	0.0010	U
541-73-1	1,3-Dichlorobenzene	0.0020	U	75-09-2	Methylene Chloride	0.0020	U
142-28-9	1,3-Dichloropropane	0.0020	U	1634-04-4	Methyl-t-butyl ether	0.0010	U
106-46-7	1,4-Dichlorobenzene	0.0020	U	104-51-8	n-Butylbenzene	0.0010	U
123-91-1	1,4-Dioxane	0.10	U	103-65-1	n-Propylbenzene	0.0010	U
78-93-3	2-Butanone	0.0010	U	95-47-6	o-Xylene	0.0010	U
110-75-8	2-Chloroethylvinylether	0.0020	U	135-98-8	sec-Butylbenzene	0.0010	U
591-78-6	2-Hexanone	0.0020	U	100-42-5	Styrene	0.0020	U
99-87-6	4-Isopropyltoluene	0.0010	U	75-65-0	t-Butyl Alcohol	0.010	U
108-10-1	4-Methyl-2-Pentanone	0.0020	U	98-06-6	t-Butylbenzene	0.0010	U
67-64-1	Acetone	0.010	U	127-18-4	Tetrachloroethene	0.0010	U
107-02-8	Acrolein	0.010	U	108-88-3	Toluene	0.0010	U
107-13-1	Acrylonitrile	0.0050	U	156-60-5	trans-1,2-Dichloroethene	0.0020	U
71-43-2	Benzene	0.0010	U	10061-02-6	trans-1,3-Dichloropropene	0.0020	U
75-27-4	Bromodichloromethane	0.0020	U	79-01-6	Trichloroethene	0.0020	U
75-25-2	Bromoform	0.0020	U	75-69-4	Trichlorofluoromethane	0.0020	U
74-83-9	Bromomethane	0.0020	U	75-01-4	Vinyl Chloride	0.0020	U
75-15-0	Carbon Disulfide	0.0020	U				

Worksheet #: 221046

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

2030826 0026

SampleID : DAILY BLANK
Data File: 1M80165.D
Acq On : 03/12/12 07:17

Operator : DB
Sam Mult : 1 Vial# : 7
Misc : S,5G

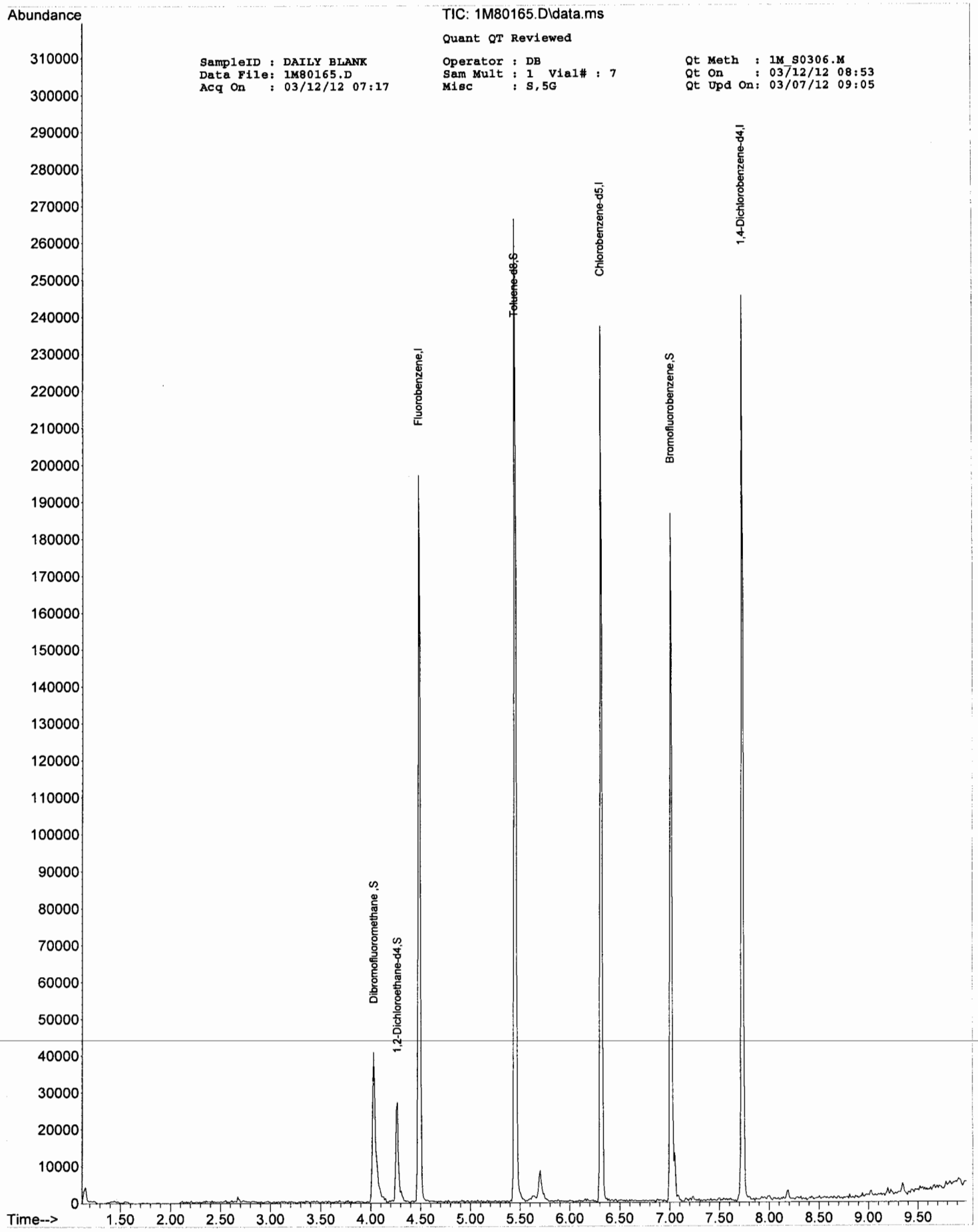
Qt Meth : 1M_S0306.M
Qt On : 03/12/12 08:53
Qt Upd On: 03/07/12 09:05

Data Path : G:\GcMsData\2012\gcms_1\Data\03-12-12\
Qt Path : G:\GCMSDATA\2012\GCMS_1\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
4) Fluorobenzene	4.483	96	127508	30.00 ug/l	0.00
50) Chlorobenzene-d5	6.312	117	108087	30.00 ug/l	0.01
68) 1,4-Dichlorobenzene-d4	7.729	152	68152	30.00 ug/l	0.00
System Monitoring Compounds					
36) Dibromofluoromethane	4.030	111	27107	28.96 ug/l	0.01
Spiked Amount 30.000			Recovery = 96.53%		
38) 1,2-Dichloroethane-d4	4.266	67	10321	30.18 ug/l	0.01
Spiked Amount 30.000			Recovery = 100.60%		
64) Toluene-d8	5.447	98	144217	29.60 ug/l	0.00
Spiked Amount 30.000			Recovery = 98.67%		
74) Bromofluorobenzene	7.011	174	53112	26.76 ug/l	0.00
Spiked Amount 30.000			Recovery = 89.20%		

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 1M80165.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 1M80165.D
Acq On : 03/12/12 07:17
Operator : DB
Sam Mult : 1 Vial# : 7
Misc : S,5G
Qt Meth : 1M_S0306.M
Qt On : 03/12/12 08:53
Qt Upd On: 03/07/12 09:05
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 6M80327.D
Analysis Date: 03/13/12 08:43
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U	124-48-1	Dibromochloromethane	0.56	U
95-50-1	1,2-Dichlorobenzene	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	100-41-4	Ethylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U	136777612	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2	Methylene Chloride	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
106-46-7	1,4-Dichlorobenzene	1.0	U	104-51-8	n-Butylbenzene	1.0	U
123-91-1	1,4-Dioxane	50	U	103-65-1	n-Propylbenzene	1.0	U
78-93-3	2-Butanone	1.0	U	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	U	135-98-8	sec-Butylbenzene	1.0	U
591-78-6	2-Hexanone	1.0	U	100-42-5	Styrene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	98-06-6	t-Butylbenzene	1.0	U
67-64-1	Acetone	10	U	127-18-4	Tetrachloroethene	1.0	U
107-02-8	Acrolein	5.0	U	108-88-3	Toluene	1.0	U
107-13-1	Acrylonitrile	2.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-27-4	Bromodichloromethane	0.50	U	79-01-6	Trichloroethene	1.0	U
75-25-2	Bromoform	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
74-83-9	Bromomethane	1.0	U	75-01-4	Vinyl Chloride	1.0	U
75-15-0	Carbon Disulfide	1.0	U				

Worksheet #: 221046

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

Quantitation Report (QT Reviewed)

2030826 0029

SampleID : DAILY BLANK
Data File: 6M80327.D
Acq On : 03/13/12 08:43

Operator : WP
Sam Mult : 1 Vial# : 8
Misc : A,5ML

Qt Meth : 6M_A0307.M
Qt On : 03/13/12 10:04
Qt Upd On: 03/07/12 16:24

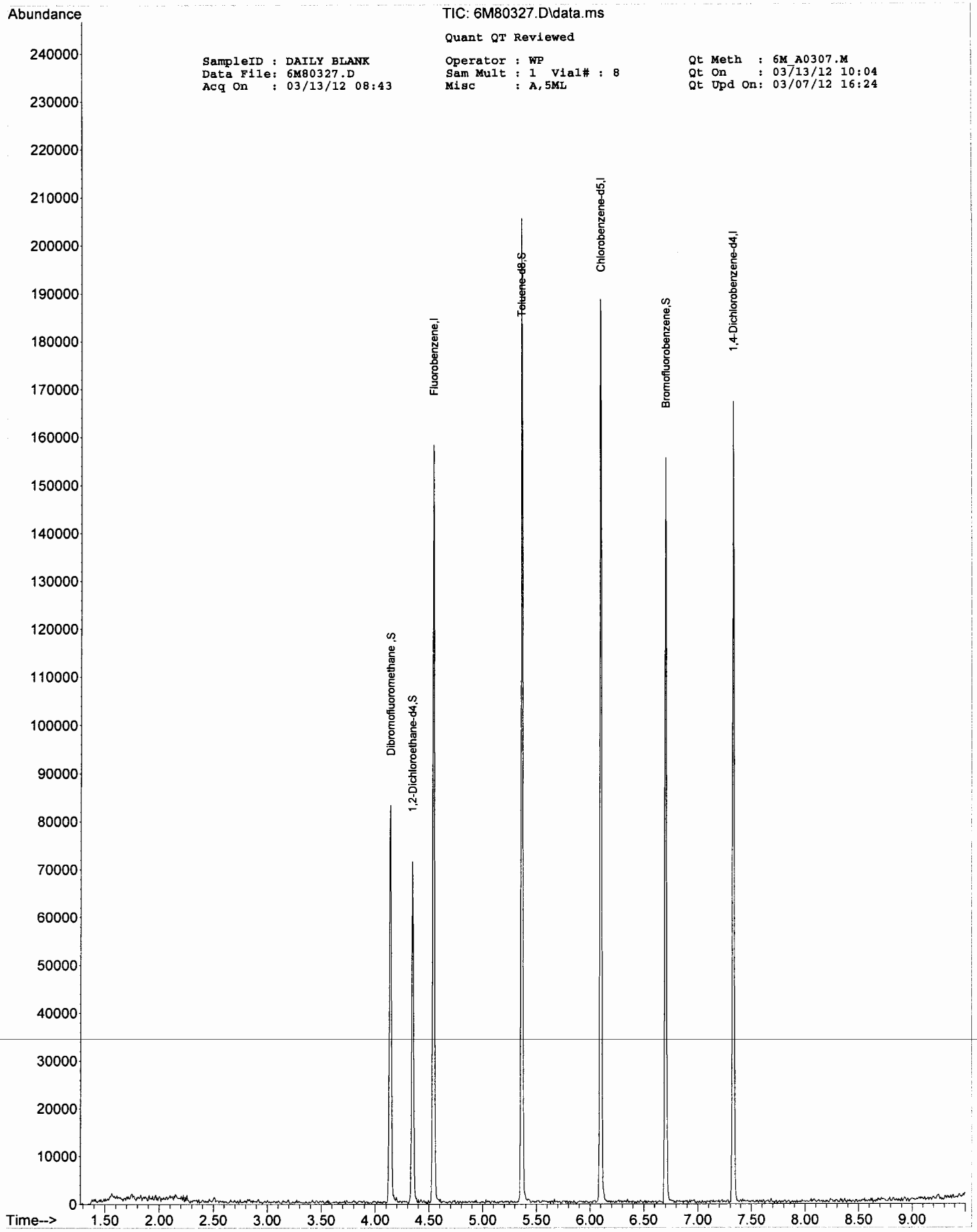
Data Path : G:\GcMsData\2012\gcms_6\Data\03-13-12\
Qt Path : G:\GCMSDATA\2012\gcms_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.543	96	71564	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.102	117	61889	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.329	152	29059	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.140	111	30513	32.75	ug/l	0.00
Spiked Amount 30.000			Recovery = 109.17%			
38) 1,2-Dichloroethane-d4	4.345	67	15365	32.85	ug/l	0.00
Spiked Amount 30.000			Recovery = 109.50%			
65) Toluene-d8	5.362	98	73481	28.25	ug/l	0.00
Spiked Amount 30.000			Recovery = 94.17%			
75) Bromofluorobenzene	6.703	174	28208	28.13	ug/l	0.00
Spiked Amount 30.000			Recovery = 93.77%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Va


Abundance
TIC: 6M80327.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 6M80327.D
Acq On : 03/13/12 08:43
Operator : WP
Sam Mult : 1 Vial# : 8
Misc : A,5ML
Qt Meth : 6M_A0307.M
Qt On : 03/13/12 10:04
Qt Upd On: 03/07/12 16:24
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

FORM2

Surrogate Recovery

Method: EPA 8260B

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column0 S5 Recov	Column0 S6 Recov
1M80114.D	DAILY BLANK	Soil	03/09/12 15:05	1		98	106	96	98		
1M80165.D	DAILY BLANK	Soil	03/12/12 07:17	1		97	101	99	89		
6M80284.D	DAILY BLANK	Aqueous	03/12/12 07:22	1		113	112	100	99		
6M80327.D	DAILY BLANK	Aqueous	03/13/12 08:43	1		109	110	94	94		
1M80187.D	AC64634-001	Soil	03/12/12 14:15	1		104	108	95	102		
6M80353.D	AC64634-002	Aqueous	03/13/12 16:52	1		107	111	90	90		
1M80115.D	AC64632-002	Soil	03/09/12 15:22	1		103	104	98	104		
1M80116.D	MBS16873	Soil	03/09/12 15:38	1		102	94	96	110		
1M80127.D	MBS16875	Soil	03/09/12 18:36	1		101	97	97	90		
1M80139.D	AC64632-002(	Soil	03/09/12 21:51	1		102	103	96	98		
1M80140.D	AC64632-002(	Soil	03/09/12 22:07	1		100	95	94	107		
1M80166.D	MBS16889	Soil	03/12/12 07:34	1		106	101	94	109		
1M80184.D	MBS16896	Soil	03/12/12 13:27	1		101	108	97	103		
6M80287.D	MBS16894	Aqueous	03/12/12 08:17	1		112	113	97	92		
6M80305.D	AC64635-011	Aqueous	03/12/12 13:06	1		103	103	91	102		
6M80342.D	MBS16912	Aqueous	03/13/12 13:58	1		112	111	91	93		
6M80354.D	AC64635-011(	Aqueous	03/13/12 17:08	1		114	108	96	86		
6M80355.D	AC64635-011(	Aqueous	03/13/12 17:24	1		104	110	92	83		

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: EPA 8260B

Soil Limits

Compound	Spike Amt	Limits
S1=Dibromofluoromethane	30	63-140
S2=1,2-Dichloroethane-d4	30	63-143
S3=Toluene-d8	30	68-122
S4=Bromofluorobenzene	30	64-129

Aqueous Limits

Compound	Spike Amt	Limits
S1=Dibromofluoromethane	30	73-131
S2=1,2-Dichloroethane-d4	30	78-128
S3=Toluene-d8	30	79-111
S4=Bromofluorobenzene	30	82-112

Form3
Recovery Data
QC Batch: MBS16873

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M80116.D	MBS16873	3/9/2012 3:38:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Soil QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	47.4861	0	50	95	20	130
1,1-Dichloroethene	1	39.8623	0	50	80	50	130
1,1-Dichloroethane	1	42.0587	0	50	84	50	130
Chloroform	1	42.8995	0	50	86	50	130
1,2-Dichloroethane	1	43.4602	0	50	87	50	130
2-Butanone	1	35.2626	0	50	71	20	130
Carbon Tetrachloride	1	48.2021	0	50	96	50	130
Trichloroethene	1	43.1208	0	50	86	50	130
Benzene	1	39.0172	0	50	78	50	130
Tetrachloroethene	1	38.4884	0	50	77	50	130
Toluene	1	37.4536	0	50	75	50	130
Chlorobenzene	1	45.4789	0	50	91	50	130
1,4-Dichlorobenzene	1	34.863	0	50	70	50	130
1,2-Dichlorobenzene	1	42.6126	0	50	85	50	130
n-Propylbenzene	1	44.9199	0	50	90	50	130
sec-Butylbenzene	1	44.4018	0	50	89	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS16875

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M80127.D	MBS16875	3/9/2012 6:36:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Soil QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	38.7432	0	50	77	20	130
1,1-Dichloroethene	1	32.3381	0	50	65	50	130
1,1-Dichloroethane	1	33.154	0	50	66	50	130
Chloroform	1	34.5067	0	50	69	50	130
1,2-Dichloroethane	1	35.542	0	50	71	50	130
2-Butanone	1	21.1138	0	50	42	20	130
Carbon Tetrachloride	1	40.0661	0	50	80	50	130
Trichloroethene	1	35.1285	0	50	70	50	130
Benzene	1	33.0486	0	50	66	50	130
Tetrachloroethene	1	33.9846	0	50	68	50	130
Toluene	1	31.6366	0	50	63	50	130
Chlorobenzene	1	38.921	0	50	78	50	130
1,4-Dichlorobenzene	1	32.2971	0	50	65	50	130
1,2-Dichlorobenzene	1	31.525	0	50	63	50	130
n-Propylbenzene	1	36.0874	0	50	72	50	130
sec-Butylbenzene	1	34.6987	0	50	69	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS16889

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M80166.D	MBS16889	3/12/2012 7:34:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Soil QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	42.4266	0	50	85	20	130
1,1-Dichloroethene	1	36.1773	0	50	72	50	130
1,1-Dichloroethane	1	38.1594	0	50	76	50	130
Chloroform	1	39.9398	0	50	80	50	130
1,2-Dichloroethane	1	42.0497	0	50	84	50	130
2-Butanone	1	31.6917	0	50	63	20	130
Carbon Tetrachloride	1	41.4861	0	50	83	50	130
Trichloroethene	1	35.3022	0	50	71	50	130
Benzene	1	33.4708	0	50	67	50	130
Tetrachloroethene	1	29.3553	0	50	59	50	130
Toluene	1	29.8595	0	50	60	50	130
Chlorobenzene	1	35.396	0	50	71	50	130
1,4-Dichlorobenzene	1	25.1813	0	50	50	50	130
1,2-Dichlorobenzene	1	32.3115	0	50	65	50	130
n-Propylbenzene	1	31.531	0	50	63	50	130
sec-Butylbenzene	1	31.6098	0	50	63	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS16894

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M80287.D	MBS16894	3/12/2012 8:17:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	21.6109	0	20	108	20	130
1,1-Dichloroethene	1	18.8685	0	20	94	50	130
1,1-Dichloroethane	1	20.2493	0	20	101	50	130
Chloroform	1	20.7611	0	20	104	50	130
1,2-Dichloroethane	1	20.8176	0	20	104	50	130
2-Butanone	1	20.3588	0	20	102	20	130
Carbon Tetrachloride	1	22.0083	0	20	110	50	130
Trichloroethene	1	19.1402	0	20	96	50	130
Benzene	1	20.4977	0	20	102	50	130
Tetrachloroethene	1	19.2515	0	20	96	50	130
Toluene	1	17.7554	0	20	89	50	130
Chlorobenzene	1	17.6578	0	20	88	50	130
1,4-Dichlorobenzene	1	16.6293	0	20	83	50	130
1,2-Dichlorobenzene	1	16.981	0	20	85	50	130
n-Propylbenzene	1	16.574	0	20	83	50	130
sec-Butylbenzene	1	17.0095	0	20	85	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS16896

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M80184.D	MBS16896	3/12/2012 1:27:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Soil QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	57.4342	0	50	115	20	130
1,1-Dichloroethene	1	49.3334	0	50	99	50	130
1,1-Dichloroethane	1	50.812	0	50	102	50	130
Chloroform	1	52.2909	0	50	105	50	130
1,2-Dichloroethane	1	52.4882	0	50	105	50	130
2-Butanone	1	31.8981	0	50	64	20	130
Carbon Tetrachloride	1	53.9857	0	50	108	50	130
Trichloroethene	1	47.5095	0	50	95	50	130
Benzene	1	46.6793	0	50	93	50	130
Tetrachloroethene	1	39.0117	0	50	78	50	130
Toluene	1	40.7704	0	50	82	50	130
Chlorobenzene	1	48.6783	0	50	97	50	130
1,4-Dichlorobenzene	1	32.2419	0	50	64	50	130
1,2-Dichlorobenzene	1	39.7696	0	50	80	50	130
n-Propylbenzene	1	41.7976	0	50	84	50	130
sec-Butylbenzene	1	40.8972	0	50	82	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS16912

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M80342.D	MBS16912	3/13/2012 1:58:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	24.2568	0	20	121	20	130
1,1-Dichloroethene	1	20.0669	0	20	100	50	130
1,1-Dichloroethane	1	22.4441	0	20	112	50	130
Chloroform	1	23.5843	0	20	118	50	130
1,2-Dichloroethane	1	22.9646	0	20	115	50	130
2-Butanone	1	21.6718	0	20	108	20	130
Carbon Tetrachloride	1	24.6626	0	20	123	50	130
Trichloroethene	1	25.7035	0	20	129	50	130
Benzene	1	23.3045	0	20	117	50	130
Tetrachloroethene	1	20.1651	0	20	101	50	130
Toluene	1	19.4259	0	20	97	50	130
Chlorobenzene	1	19.1297	0	20	96	50	130
1,4-Dichlorobenzene	1	17.3639	0	20	87	50	130
1,2-Dichlorobenzene	1	18.2563	0	20	91	50	130
n-Propylbenzene	1	18.7883	0	20	94	50	130
sec-Butylbenzene	1	17.703	0	20	89	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS16875

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M80139.D	AC64632-002(MS)	3/9/2012 9:51:00 PM
Non Spike(If applicable):	1M80115.D	AC64632-002	3/9/2012 3:22:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Soil QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	58.785	0	50	118	20	130
1,1-Dichloroethene	1	50.9769	0	50	102	50	130
1,1-Dichloroethane	1	52.9813	0	50	106	50	130
Chloroform	1	53.286	0	50	107	50	130
1,2-Dichloroethane	1	52.8316	0	50	106	50	130
2-Butanone	1	52.3425	0	50	105	20	130
Carbon Tetrachloride	1	61.78	0	50	124	50	130
Trichloroethene	1	53.9088	0	50	108	50	130
Benzene	1	48.5764	0	50	97	50	130
Tetrachloroethene	1	50.4379	0	50	101	50	130
Toluene	1	47.7766	0	50	96	50	130
Chlorobenzene	1	57.9016	0	50	116	50	130
1,4-Dichlorobenzene	1	42.8998	0	50	86	50	130
1,2-Dichlorobenzene	1	48.9223	0	50	98	50	130
n-Propylbenzene	1	53.8378	0	50	108	50	130
sec-Butylbenzene	1	50.6697	0	50	101	50	130

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M80140.D	AC64632-002(MSD)	3/9/2012 10:07:00 PM
Non Spike(If applicable):	1M80115.D	AC64632-002	3/9/2012 3:22:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Soil QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	57.5728	0	50	115	20	130
1,1-Dichloroethene	1	45.2881	0	50	91	50	130
1,1-Dichloroethane	1	49.2705	0	50	99	50	130
Chloroform	1	48.3699	0	50	97	50	130
1,2-Dichloroethane	1	50.7328	0	50	101	50	130
2-Butanone	1	44.5765	0	50	89	20	130
Carbon Tetrachloride	1	54.9619	0	50	110	50	130
Trichloroethene	1	48.9025	0	50	98	50	130
Benzene	1	45.4403	0	50	91	50	130
Tetrachloroethene	1	44.0693	0	50	88	50	130
Toluene	1	44.3976	0	50	89	50	130
Chlorobenzene	1	51.4731	0	50	103	50	130
1,4-Dichlorobenzene	1	40.4791	0	50	81	50	130
1,2-Dichlorobenzene	1	44.4531	0	50	89	50	130
n-Propylbenzene	1	53.7202	0	50	107	50	130
sec-Butylbenzene	1	50.1948	0	50	100	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
RPD DATA
QC Batch: MBS16875

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M80140.D	AC64632-002(MSD)	3/9/2012 10:07:00 PM
Duplicate(If applicable):	1M80139.D	AC64632-002(MS)	3/9/2012 9:51:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Soil QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Vinyl Chloride	1	57.5728	58.785	2.1	40
1,1-Dichloroethene	1	45.2881	50.9769	12	40
1,1-Dichloroethane	1	49.2705	52.9813	7.3	40
Chloroform	1	48.3699	53.286	9.7	40
1,2-Dichloroethane	1	50.7328	52.8316	4.1	40
2-Butanone	1	44.5765	52.3425	16	40
Carbon Tetrachloride	1	54.9619	61.78	12	40
Trichloroethene	1	48.9025	53.9088	9.7	40
Benzene	1	45.4403	48.5764	6.7	40
Tetrachloroethene	1	44.0693	50.4379	13	40
Toluene	1	44.3976	47.7766	7.3	40
Chlorobenzene	1	51.4731	57.9016	12	40
1,4-Dichlorobenzene	1	40.4791	42.8998	5.8	40
1,2-Dichlorobenzene	1	44.4531	48.9223	9.6	40
n-Propylbenzene	1	53.7202	53.8378	0.22	40
sec-Butylbenzene	1	50.1948	50.6697	0.94	40

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Form3
Recovery Data
QC Batch: MBS16912

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M80354.D	AC64635-011(MS)	3/13/2012 5:08:00 PM
Non Spike(If applicable):	6M80305.D	AC64635-011	3/12/2012 1:06:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	25.947	0	20	130	20	130
1,1-Dichloroethene	1	22.9003	0	20	115	50	130
1,1-Dichloroethane	1	24.1741	0	20	121	50	130
Chloroform	1	24.3777	0	20	122	50	130
1,2-Dichloroethane	1	25.8419	0	20	129	50	130
2-Butanone	1	25.7888	0	20	129	20	130
Carbon Tetrachloride	1	26.153	0	20	131 *	50	130
Trichloroethene	1	22.8705	0	20	114	50	130
Benzene	1	25.248	0	20	126	50	130
Tetrachloroethene	1	20.3121	0	20	102	50	130
Toluene	1	20.5832	0	20	103	50	130
Chlorobenzene	1	20.7337	0	20	104	50	130
1,4-Dichlorobenzene	1	19.1057	0	20	96	50	130
1,2-Dichlorobenzene	1	20.6448	0	20	103	50	130
n-Propylbenzene	1	18.8726	0	20	94	50	130
sec-Butylbenzene	1	18.9499	0	20	95	50	130

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M80355.D	AC64635-011(MSD)	3/13/2012 5:24:00 PM
Non Spike(If applicable):	6M80305.D	AC64635-011	3/12/2012 1:06:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	24.2679	0	20	121	20	130
1,1-Dichloroethene	1	21.5688	0	20	108	50	130
1,1-Dichloroethane	1	23.555	0	20	118	50	130
Chloroform	1	24.1286	0	20	121	50	130
1,2-Dichloroethane	1	24.5158	0	20	123	50	130
2-Butanone	1	24.1711	0	20	121	20	130
Carbon Tetrachloride	1	25.2898	0	20	126	50	130
Trichloroethene	1	21.8176	0	20	109	50	130
Benzene	1	24.1815	0	20	121	50	130
Tetrachloroethene	1	20.3184	0	20	102	50	130
Toluene	1	20.2545	0	20	101	50	130
Chlorobenzene	1	19.8296	0	20	99	50	130
1,4-Dichlorobenzene	1	18.5169	0	20	93	50	130
1,2-Dichlorobenzene	1	19.5972	0	20	98	50	130
n-Propylbenzene	1	18.8398	0	20	94	50	130
sec-Butylbenzene	1	18.8303	0	20	94	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
RPD DATA

QC Batch: MBS16912

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M80355.D	AC64635-011(MSD)	3/13/2012 5:24:00 PM
Duplicate(If applicable):	6M80354.D	AC64635-011(MS)	3/13/2012 5:08:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Vinyl Chloride	1	24.2679	25.947	6.7	40
1,1-Dichloroethene	1	21.5688	22.9003	6	40
1,1-Dichloroethane	1	23.555	24.1741	2.6	40
Chloroform	1	24.1286	24.3777	1	40
1,2-Dichloroethane	1	24.5158	25.8419	5.3	40
2-Butanone	1	24.1711	25.7888	6.5	40
Carbon Tetrachloride	1	25.2898	26.153	3.4	40
Trichloroethene	1	21.8176	22.8705	4.7	40
Benzene	1	24.1815	25.248	4.3	40
Tetrachloroethene	1	20.3184	20.3121	0.03	40
Toluene	1	20.2545	20.5832	1.6	40
Chlorobenzene	1	19.8296	20.7337	4.5	40
1,4-Dichlorobenzene	1	18.5169	19.1057	3.1	40
1,2-Dichlorobenzene	1	19.5972	20.6448	5.2	40
n-Propylbenzene	1	18.8398	18.8726	0.17	40
sec-Butylbenzene	1	18.8303	18.9499	0.63	40

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 1M80114.D
Matrix: Soil

Blank Analysis Date: 03/09/12 15:05
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
MBS16873	1M80116.D	03/09/12 15:38
AC64632-002(MSD	1M80140.D	03/09/12 22:07
AC64632-002(MS)	1M80139.D	03/09/12 21:51
MBS16875	1M80127.D	03/09/12 18:36
AC64632-002	1M80115.D	03/09/12 15:22

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 1M80165.D
Matrix: Soil

Blank Analysis Date: 03/12/12 07:17
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC64634-001	1M80187.D	03/12/12 14:15
MBS16889	1M80166.D	03/12/12 07:34
MBS16896	1M80184.D	03/12/12 13:27

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 6M80284.D
Matrix: Aqueous

Blank Analysis Date: 03/12/12 07:22
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
MBS16894	6M80287.D	03/12/12 08:17
AC64635-011	6M80305.D	03/12/12 13:06

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 6M80327.D
Matrix: Aqueous

Blank Analysis Date: 03/13/12 08:43
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC64634-002	6M80353.D	03/13/12 16:52
AC64635-011(MSD	6M80355.D	03/13/12 17:24
AC64635-011(MS)	6M80354.D	03/13/12 17:08
MBS16912	6M80342.D	03/13/12 13:58

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 1

Data File: 1M79900.D
Analysis Date: 03/06/12 08:34
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.252 to 4.272 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	20.7	11969	PASS
75	95	30	60	46.7	26975	PASS
95	95	100	100	100.0	57728	PASS
96	95	5	9	7.5	4322	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	91.3	52704	PASS
175	174	5	9	8.9	4689	PASS
176	174	95	101	99.3	52309	PASS
177	176	5	9	6.8	3556	PASS

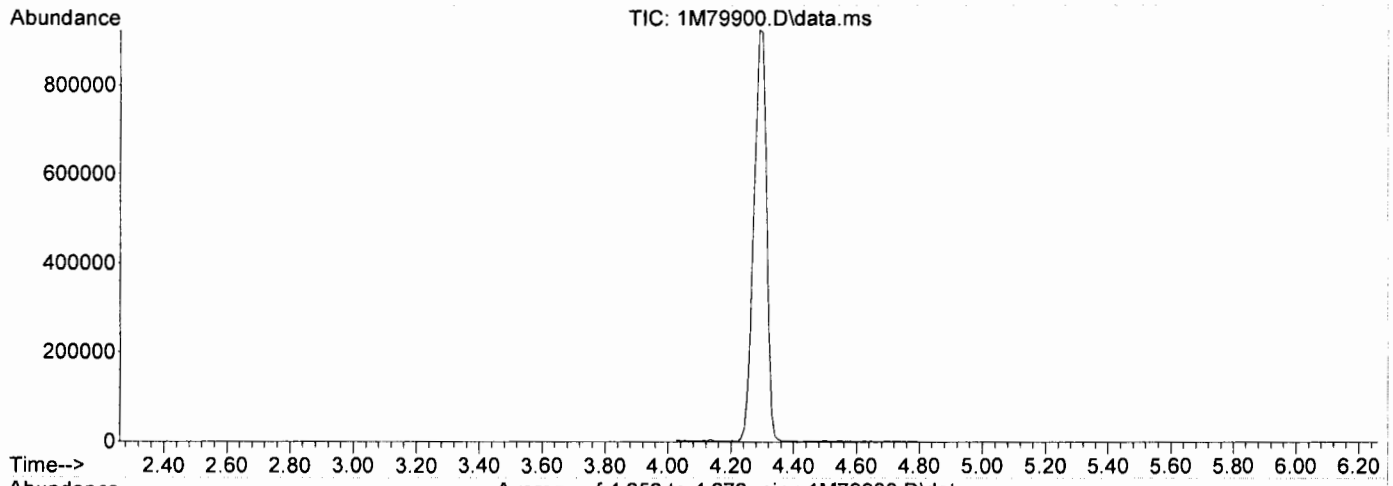
Data File	Sample Number	Analysis Date:
1M79901.D	BLK	03/06/12 08:43
1M79902.D	0.5 PPB	03/06/12 09:00
1M79903.D	CAL @ 1 PPB	03/06/12 09:16
1M79904.D	2 PPB	03/06/12 09:32
1M79905.D	CAL @ 5 PPB	03/06/12 09:49
1M79906.D	1 PPB	03/06/12 10:05
1M79907.D	2 PPB	03/06/12 10:21
1M79908.D	2 PPB	03/06/12 10:37
1M79910.D	BLK	03/06/12 11:00
1M79911.D	CAL @ 2 PPB	03/06/12 11:16
1M79913.D	50 PPB	03/06/12 11:39
1M79914.D	CAL @ 500 PPB	03/06/12 11:55
1M79915.D	CAL @ 250 PPB	03/06/12 12:11
1M79916.D	CAL @ 100 PPB	03/06/12 12:28
1M79917.D	CAL @ 50 PPB	03/06/12 12:44
1M79918.D	CAL @ 20 PPB	03/06/12 13:00
1M79919.D	BLK	03/06/12 13:16
1M79920.D	STD	03/06/12 13:32
1M79922.D	BLK	03/06/12 14:05
1M79923.D	BLK	03/06/12 14:26
1M79926.D	CAL @ 0.5 PPB	03/06/12 15:15
1M79927.D	50 PPB	03/06/12 15:31
1M79928.D	ICV	03/06/12 15:47
1M79929.D	50 PPB	03/06/12 16:03
1M79930.D	BLK	03/06/12 16:19
1M79931.D	BLK	03/06/12 16:36
1M79932.D	DAILY BLANK	03/06/12 16:52
1M79933.D	MBS16832	03/06/12 17:08
1M79934.D	MBS16833	03/06/12 17:24
1M79935.D	BLK	03/06/12 17:41
1M79936.D	AC64504-001	03/06/12 17:57
1M79937.D	AC64504-002	03/06/12 18:13
1M79938.D	AC64504-003	03/06/12 18:30
1M79939.D	AC64504-004	03/06/12 18:46
1M79940.D	AC64504-005	03/06/12 19:02
1M79941.D	AC64504-006	03/06/12 19:18
1M79942.D	AC64504-007	03/06/12 19:35
1M79943.D	AC64504-008	03/06/12 19:51
1M79944.D	AC64504-009	03/06/12 20:07
1M79945.D	BLK	03/06/12 20:23
1M79946.D	BLK	03/06/12 20:40
1M79947.D	BLK	03/06/12 20:56
1M79948.D	BLK	03/06/12 21:12
1M79949.D	BLK	03/06/12 21:28
1M79950.D	BLK	03/06/12 21:44
1M79951.D	BLK	03/06/12 22:01
1M79952.D	BLK	03/06/12 22:17

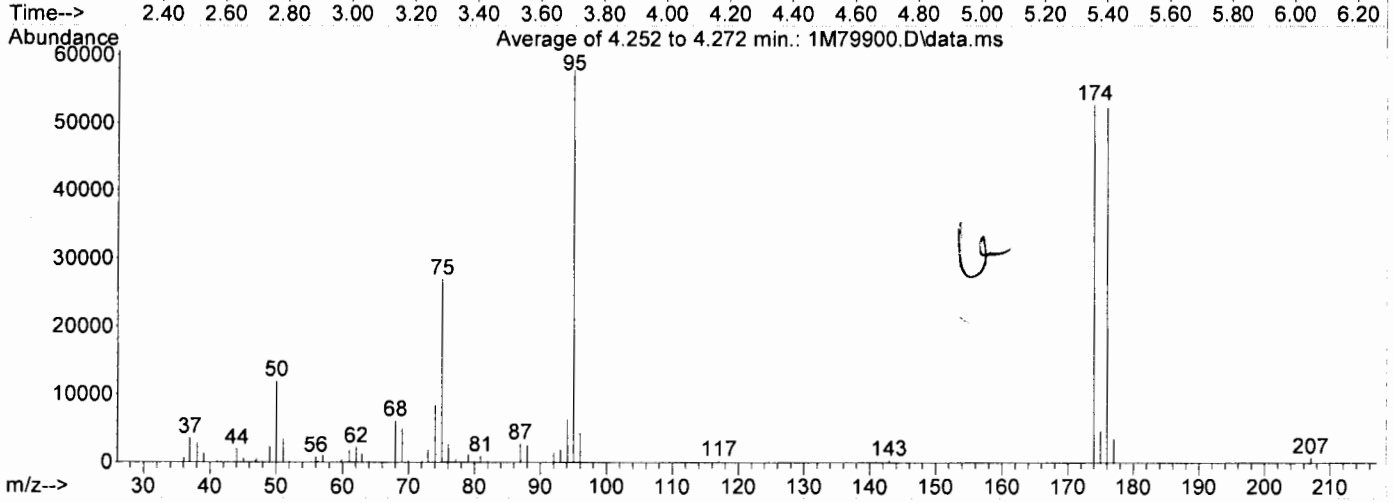
2030826 0047

Data Path : G:\GcMsData\2012\gcms_1\Data\03-06-12\
Data File : 1M79900.D
Acq On : 6 Mar 2012 8:34
Operator : WP
Sample : BFB TUNE
Misc : S,5G
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2012\GCMS_1\METHODQT\1M_S0302.M
Title : @GCMS_1,ug,624,8260
Last Update : Fri Mar 02 12:48:43 2012





Spectrum Information: Average of 4.252 to 4.272 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.7	11969	PASS
75	95	30	60	46.7	26975	PASS
95	95	100	100	100.0	57728	PASS
96	95	5	9	7.5	4322	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	91.3	52704	PASS
175	174	5	9	8.9	4689	PASS
176	174	95	101	99.3	52309	PASS
177	176	5	9	6.8	3556	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 6

Data File: 6M80091.D
Analysis Date: 03/07/12 12:57
Method: EPA 8260B

Tune Scan/Time Range: Average of 3.979 to 3.988 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	19.8	3363	PASS
75	95	30	60	56.4	9561	PASS
95	95	100	100	100.0	16960	PASS
96	95	5	9	7.7	1301	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	79.3	13444	PASS
175	174	5	9	7.6	1026	PASS
176	174	95	101	99.3	13351	PASS
177	176	5	9	7.3	976	PASS

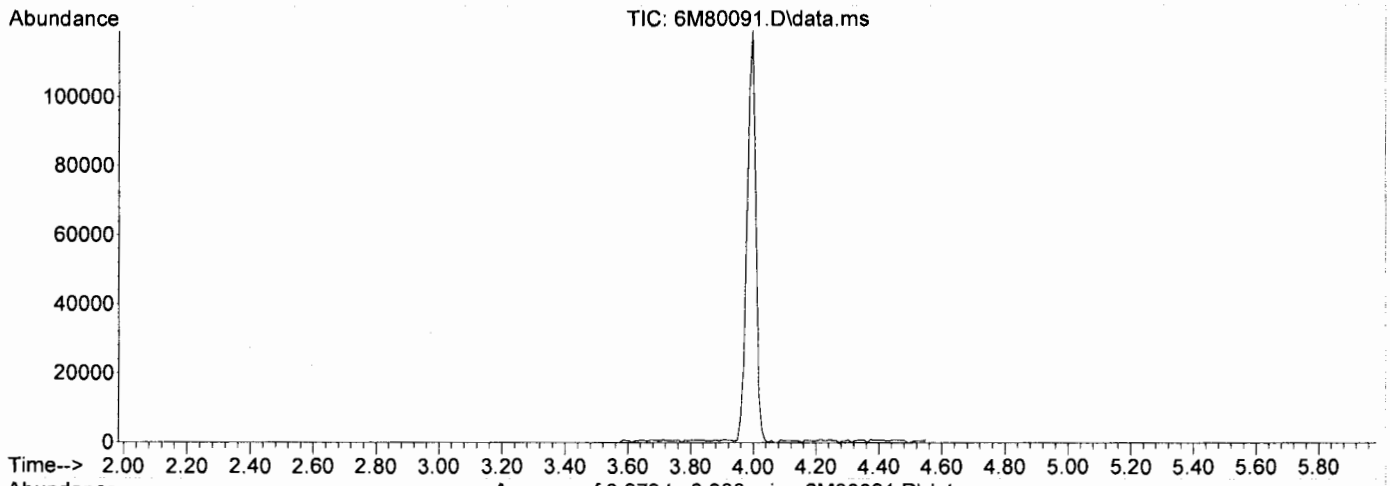
Data File	Sample Number	Analysis Date:
6M80092.D	BLK	03/07/12 13:07
6M80093.D	CAL @ 1 PPB	03/07/12 13:23
6M80094.D	CAL @ 0.5 PPB	03/07/12 13:42
6M80095.D	CAL @ 5 PPB	03/07/12 14:00
6M80096.D	CAL @ 500 PPB	03/07/12 14:16
6M80097.D	CAL @ 250 PPB	03/07/12 14:33
6M80098.D	CAL @ 100 PPB	03/07/12 14:49
6M80099.D	CAL @ 50 PPB	03/07/12 15:06
6M80100.D	CAL @ 20 PPB	03/07/12 15:22
6M80101.D	CAL @ 10 PPB	03/07/12 15:38
6M80103.D	CAL @ 1 PPB	03/07/12 16:11
6M80104.D	ICV	03/07/12 16:32
6M80105.D	BLK	03/07/12 16:49
6M80106.D	DAILY BLANK	03/07/12 17:05
6M80107.D	MBS16845	03/07/12 17:21
6M80108.D	MBS16849	03/07/12 17:38
6M80109.D	BLK	03/08/12 06:49
6M80110.D	AC64524-009	03/08/12 07:05
6M80111.D	AC64524-010	03/08/12 07:22
6M80112.D	AC64567-001(5X)	03/08/12 07:41
6M80113.D	AC64567-007(5X)	03/08/12 08:03
6M80114.D	BK	03/08/12 08:22
6M80115.D	AC64567-007	03/08/12 08:38
6M80116.D	AC64567-008	03/08/12 08:55
6M80117.D	AC64567-009	03/08/12 09:11
6M80118.D	AC64545-001	03/08/12 09:27
6M80119.D	AC64493-001	03/08/12 09:44
6M80120.D	AC64493-003	03/08/12 10:00
6M80121.D	AC64493-007	03/08/12 10:16
6M80122.D	AC64493-010	03/08/12 10:33
6M80123.D	AC64493-002	03/08/12 10:51
6M80124.D	AC64493-006	03/08/12 11:07
6M80125.D	AC64417-001	03/08/12 11:24
6M80126.D	AC64493-005(10X)	03/08/12 11:40
6M80127.D	AC64513-006(20X)	03/08/12 11:56
6M80128.D	AC64513-003(20X)	03/08/12 12:13
6M80129.D	AC64513-002(20X)	03/08/12 12:29

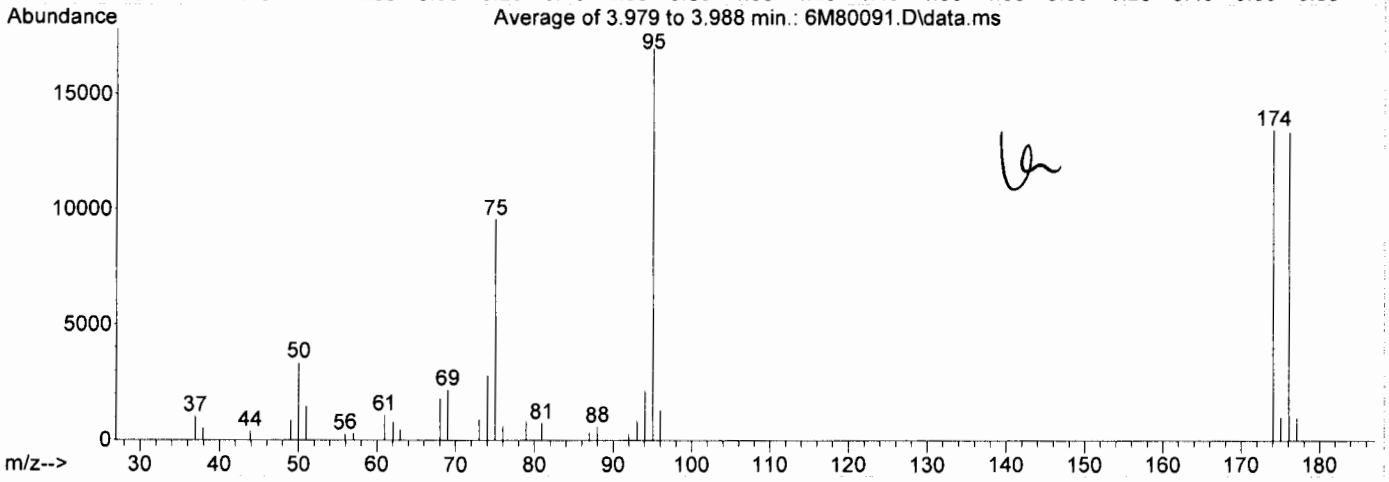
2030826 0049

Data Path : G:\GcMsData\2012\gcms_6\Data\03-07-12\
Data File : 6M80091.D
Acq On : 7 Mar 2012 12:57
Operator : WP
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2012\gcms_6\MethodQt\6M_A0229.M
Title : @GCMS_6,ug,624,8260
Last Update : Wed Feb 29 12:00:42 2012





Spectrum Information: Average of 3.979 to 3.988 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.8	3363	PASS
75	95	30	60	56.4	9561	PASS
95	95	100	100	100.0	16960	PASS
96	95	5	9	7.7	1301	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	79.3	13444	PASS
175	174	5	9	7.6	1026	PASS
176	174	95	101	99.3	13351	PASS
177	176	5	9	7.3	976	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 1

Data File: 1M80106.D
Analysis Date: 03/09/12 12:58
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.301 to 4.321 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	17.8	10391	PASS
75	95	30	60	43.4	25408	PASS
95	95	100	100	100.0	58480	PASS
96	95	5	9	7.0	4082	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	98.3	57499	PASS
175	174	5	9	7.4	4280	PASS
176	174	95	101	97.5	56035	PASS
177	176	5	9	7.0	3902	PASS

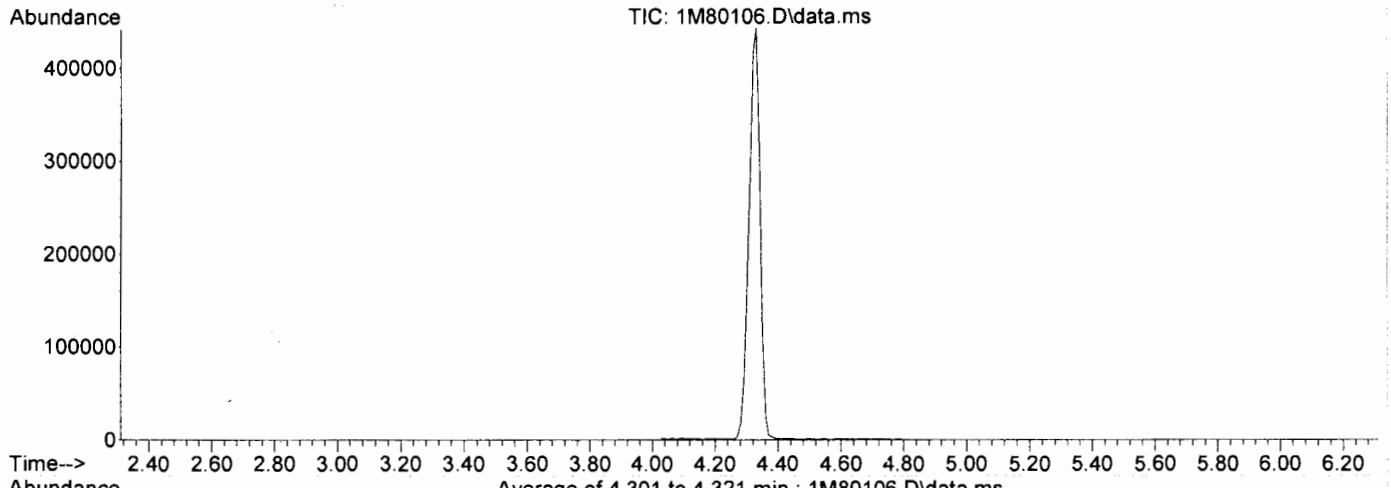
Data File	Sample Number	Analysis Date:
1M80107.D	BLK	03/09/12 13:08
1M80108.D	BLK	03/09/12 13:25
1M80109.D	50 PPB	03/09/12 13:41
1M80110.D	BLK	03/09/12 13:58
1M80111.D	CAL @ 50 PPB	03/09/12 14:15
1M80112.D	BLK	03/09/12 14:32
1M80113.D	BLK	03/09/12 14:49
1M80114.D	DAILY BLANK	03/09/12 15:05
1M80115.D	AC64632-002	03/09/12 15:22
1M80116.D	MBS16873	03/09/12 15:38
1M80117.D	BLK	03/09/12 15:54
1M80118.D	AC64549-002	03/09/12 16:10
1M80119.D	AC64566-001	03/09/12 16:26
1M80120.D	AC64566-002	03/09/12 16:43
1M80121.D	AC64566-004	03/09/12 16:59
1M80122.D	AC64596-001	03/09/12 17:15
1M80123.D	AC64596-002	03/09/12 17:31
1M80124.D	AC64596-003	03/09/12 17:48
1M80125.D	BLK	03/09/12 18:04
1M80126.D	AC64596-004	03/09/12 18:20
1M80127.D	MBS16875	03/09/12 18:36
1M80128.D	AC64599-003	03/09/12 18:52
1M80129.D	BLK	03/09/12 19:09
1M80130.D	AC64566-001	03/09/12 19:25
1M80131.D	AC64596-002	03/09/12 19:41
1M80132.D	AC64596-003	03/09/12 19:57
1M80133.D	AC64599-004	03/09/12 20:13
1M80134.D	AC64599-007	03/09/12 20:30
1M80135.D	AC64599-008	03/09/12 20:46
1M80136.D	AC64566-003	03/09/12 21:02
1M80137.D	AC64599-009	03/09/12 21:18
1M80138.D	AC64599-001	03/09/12 21:34
1M80139.D	AC64632-002(MS)	03/09/12 21:51
1M80140.D	AC64632-002(MSD	03/09/12 22:07
1M80141.D	BLK	03/09/12 22:23
1M80142.D	AC64591-002	03/09/12 22:39
1M80143.D	AC64591-004	03/09/12 22:56
1M80144.D	AC64563-016	03/09/12 23:12
1M80145.D	AC64563-014	03/09/12 23:28
1M80146.D	AC64563-006	03/09/12 23:44
1M80147.D	AC64593-001	03/10/12 00:01
1M80148.D	AC64606-001	03/10/12 00:17
1M80149.D	AC64606-002	03/10/12 00:33
1M80150.D	STD	03/10/12 00:49
1M80151.D	BLK	03/10/12 01:06
1M80152.D	BLK	03/10/12 01:22
1M80153.D	BLK	03/10/12 01:38
1M80154.D	BLK	03/10/12 01:54
1M80155.D	BLK	03/10/12 02:10
1M80156.D	BLK	03/10/12 02:26
1M80157.D	BLK	03/10/12 02:42
1M80158.D	BLK	03/12/12 05:24

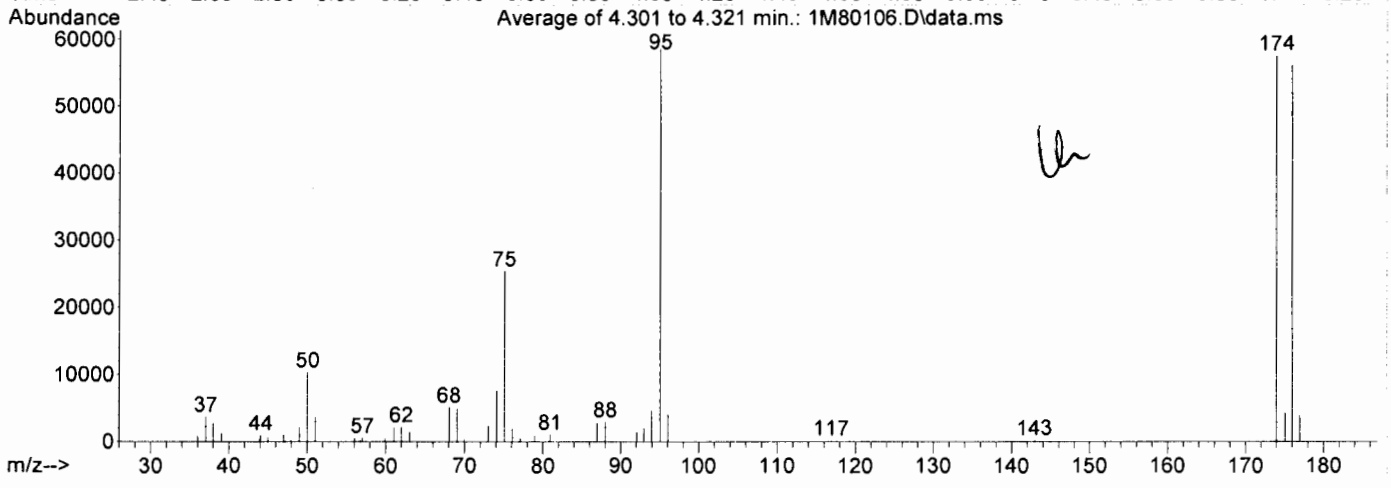
2030826 0051

Data Path : G:\GcMsData\2012\gcms_1\Data\03-09-12\
Data File : 1M80106.D
Acq On : 9 Mar 2012 12:58
Operator : DB
Sample : BFB TUNE
Misc : S,5G
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2012\GCMS_1\METHODQT\1M_S0306.M
Title : @GCMS_1,ug,624,8260
Last Update : Wed Mar 07 07:49:07 2012





Spectrum Information: Average of 4.301 to 4.321 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.8	10391	PASS
75	95	30	60	43.4	25408	PASS
95	95	100	100	100.0	58480	PASS
96	95	5	9	7.0	4082	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	98.3	57499	PASS
175	174	5	9	7.4	4280	PASS
176	174	95	101	97.5	56035	PASS
177	176	5	9	7.0	3902	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 1

Data File: 1M80159.D
Analysis Date: 03/12/12 05:40
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.232 to 4.272 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	18.1	2815	PASS
75	95	30	60	47.6	7419	PASS
95	95	100	100	100.0	15582	PASS
96	95	5	9	7.9	1236	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	94.8	14765	PASS
175	174	5	9	6.3	936	PASS
176	174	95	101	99.1	14630	PASS
177	176	5	9	7.9	1163	PASS

Data File	Sample Number	Analysis Date:
1M80160.D	BLK	03/12/12 05:56
1M80161.D	CAL @ 50 PPB	03/12/12 06:12
1M80162.D	50 PPB	03/12/12 06:28
1M80163.D	BLK	03/12/12 06:45
1M80164.D	BLK	03/12/12 07:01
1M80165.D	DAILY BLANK	03/12/12 07:17
1M80166.D	MBS16889	03/12/12 07:34
1M80167.D	AC64605-013	03/12/12 07:50
1M80168.D	AC64605-014	03/12/12 08:06
1M80169.D	AC64605-015	03/12/12 08:22
1M80170.D	AC64605-016	03/12/12 08:39
1M80171.D	AC64605-012	03/12/12 08:55
1M80172.D	AC64605-010	03/12/12 09:11
1M80173.D	AC64605-009	03/12/12 09:27
1M80174.D	AC64605-011	03/12/12 09:44
1M80175.D	AC64605-013(MS)	03/12/12 10:00
1M80176.D	AC64605-013(MSD	03/12/12 10:16
1M80177.D	AC64635-002	03/12/12 10:32
1M80178.D	AC64635-003	03/12/12 10:48
1M80179.D	AC64635-004	03/12/12 12:05
1M80180.D	AC64635-005	03/12/12 12:22
1M80181.D	AC64635-006	03/12/12 12:38
1M80182.D	BLK	03/12/12 12:54
1M80183.D	AC64635-001	03/12/12 13:10
1M80184.D	MBS16896	03/12/12 13:27
1M80185.D	AC64605-014(MS)	03/12/12 13:43
1M80186.D	AC64605-014(MSD	03/12/12 13:59
1M80187.D	AC64634-001	03/12/12 14:15
1M80188.D	BLK	03/12/12 14:32
1M80189.D	AC64651-001	03/12/12 14:48
1M80190.D	AC64644-003	03/12/12 15:04
1M80191.D	AC64644-007	03/12/12 15:20
1M80192.D	AC64644-008	03/12/12 15:36
1M80193.D	AC64644-009	03/12/12 15:53
1M80194.D	AC64644-010	03/12/12 16:09
1M80195.D	AC64644-013	03/12/12 16:25
1M80196.D	BLK	03/12/12 16:41
1M80197.D	AC64644-001	03/12/12 16:58
1M80198.D	BLK	03/12/12 17:14
1M80199.D	BLK	03/12/12 17:30
1M80200.D	BLK	03/12/12 17:46
1M80201.D	BLK	03/12/12 18:02
1M80202.D	64642-001	03/12/12 18:19
1M80203.D	64642-003	03/12/12 18:35
1M80204.D	64642-004	03/12/12 18:51
1M80205.D	64642-005	03/12/12 19:08
1M80206.D	64642-006	03/12/12 19:24
1M80207.D	64642-007	03/12/12 19:40
1M80208.D	64642-008	03/12/12 19:57
1M80209.D	64642-009	03/12/12 20:13
1M80210.D	64642-010	03/12/12 20:30
1M80211.D	64642-011	03/12/12 20:46
1M80212.D	64642-012	03/12/12 21:03
1M80213.D	64642-013	03/12/12 21:20
1M80214.D	64642-014	03/12/12 21:37
1M80215.D	64642-015	03/12/12 21:53
1M80216.D	64642-016	03/12/12 22:09
1M80217.D	64642-017	03/12/12 22:26
1M80218.D	64642-018	03/12/12 22:42
1M80219.D	64642-019	03/12/12 22:59
1M80220.D	STD	03/12/12 23:15
1M80221.D	BLK	03/12/12 23:32
1M80222.D	BLK	03/12/12 23:48
1M80223.D	BLK	03/13/12 00:05
1M80224.D	BLK	03/13/12 00:21

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 1

Data File: 1M80159.D
Analysis Date: 03/12/12 05:40
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.232 to 4.272 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	18.1	2815	PASS
75	95	30	60	47.6	7419	PASS
95	95	100	100	100.0	15582	PASS
96	95	5	9	7.9	1236	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	94.8	14765	PASS
175	174	5	9	6.3	936	PASS
176	174	95	101	99.1	14630	PASS
177	176	5	9	7.9	1163	PASS

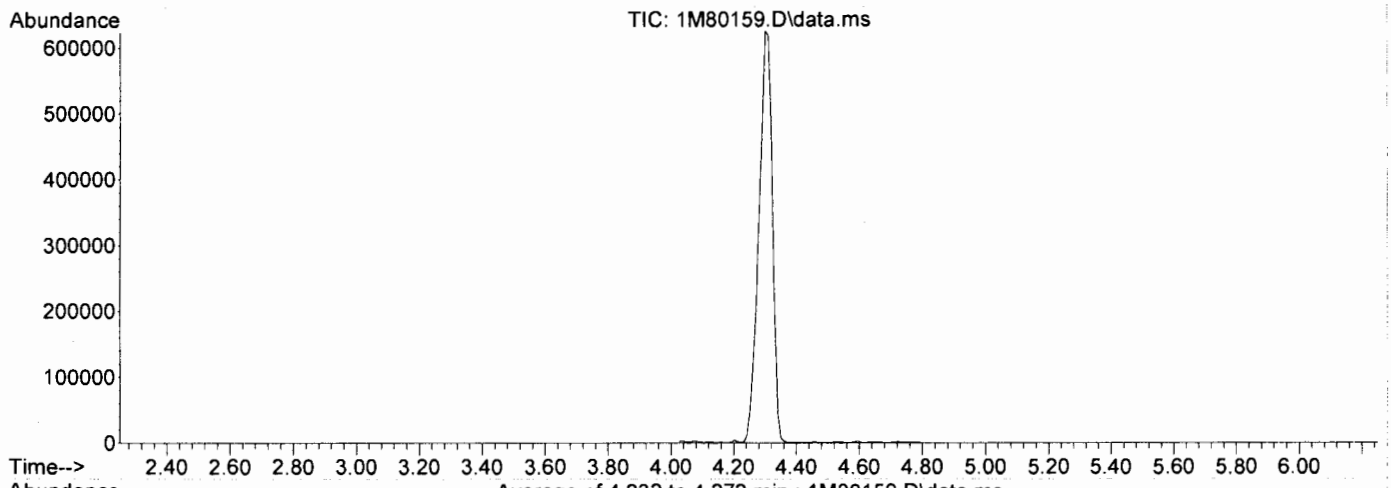
1M80225.D	BLK	03/13/12 00:38
1M80226.D	BLK	03/13/12 00:54

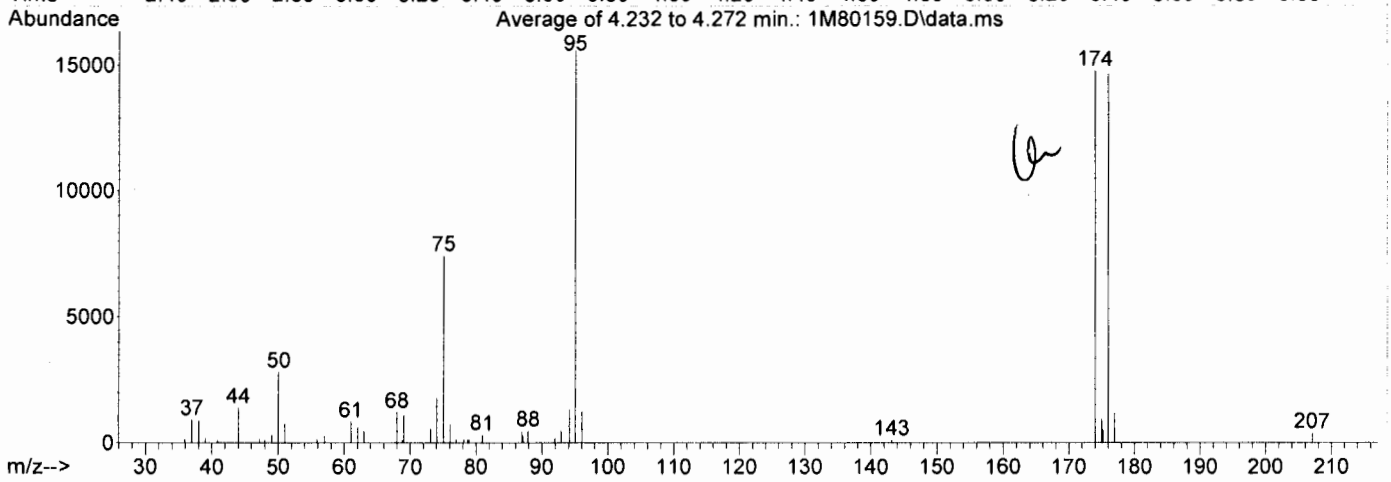
2030826 0054

Data Path : G:\GcMsData\2012\gcms_1\Data\03-12-12\
Data File : 1M80159.D
Acq On : 12 Mar 2012 5:40
Operator : DB
Sample : BFB TUNE
Misc : S,5G
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2012\GCMS_1\METHODQT\1M_S0306.M
Title : @GCMS_1,ug,624,8260
Last Update : Wed Mar 07 07:49:07 2012





Spectrum Information: Average of 4.232 to 4.272 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.1	2815	PASS
75	95	30	60	47.6	7419	PASS
95	95	100	100	100.0	15582	PASS
96	95	5	9	7.9	1236	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	94.8	14765	PASS
175	174	5	9	6.3	936	PASS
176	174	95	101	99.1	14630	PASS
177	176	5	9	7.9	1163	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 6

Data File: 6M80278.D
Analysis Date: 03/12/12 05:45
Method: EPA 8260B

Tune Scan/Time Range: Average of 3.964 to 4.013 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	18.1	2111	PASS
75	95	30	60	55.9	6496	PASS
95	95	100	100	100.0	11631	PASS
96	95	5	9	6.8	791	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	93.3	10856	PASS
175	174	5	9	7.4	808	PASS
176	174	95	101	97.6	10593	PASS
177	176	5	9	6.2	653	PASS

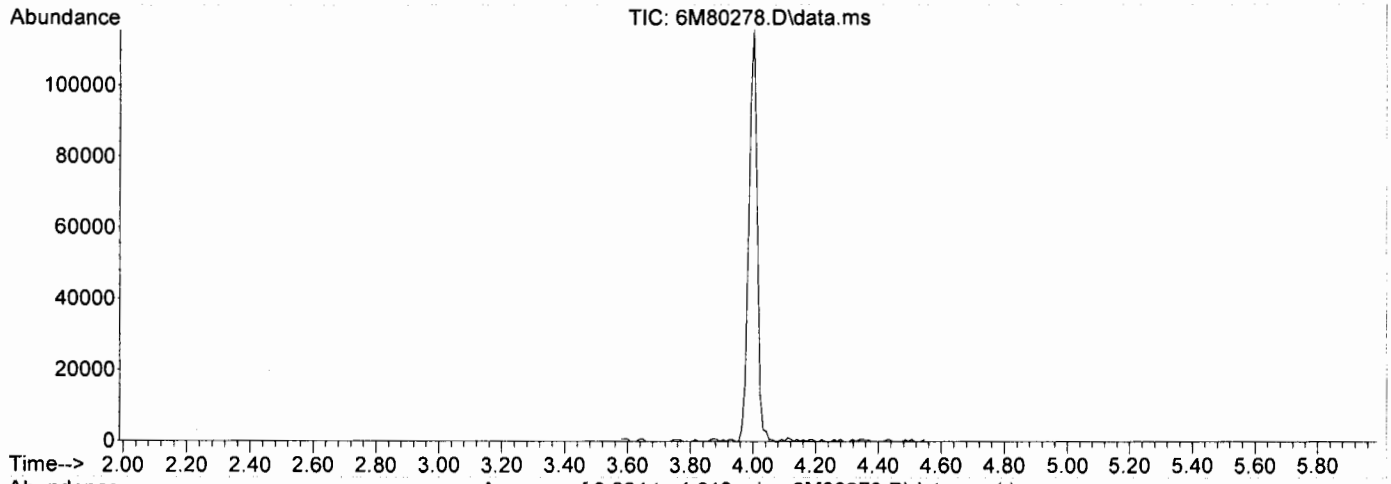
Data File	Sample Number	Analysis Date:
6M80279.D	BLKJUG3	03/12/12 05:57
6M80280.D	20 PPB	03/12/12 06:13
6M80281.D	BLK	03/12/12 06:34
6M80282.D	CAL @ 20 PPB	03/12/12 06:50
6M80283.D	BLK	03/12/12 07:06
6M80284.D	DAILY BLANK	03/12/12 07:22
6M80285.D	DAILY BLANK	03/12/12 07:38
6M80286.D	MBS16893	03/12/12 08:01
6M80287.D	MBS16894	03/12/12 08:17
6M80288.D	BLK	03/12/12 08:32
6M80289.D	AC64524-001	03/12/12 08:48
6M80290.D	AC64524-008	03/12/12 09:04
6M80291.D	AC64524-005(5X)	03/12/12 09:25
6M80292.D	BLK	03/12/12 09:41
6M80293.D	AC64547-007(20X)	03/12/12 09:57
6M80294.D	AC64547-009(20X)	03/12/12 10:12
6M80295.D	AC64651-001	03/12/12 10:28
6M80296.D	AC64651-002	03/12/12 10:44
6M80297.D	AC64651-003	03/12/12 11:00
6M80298.D	AC64651-004	03/12/12 11:16
6M80299.D	AC64651-005	03/12/12 11:31
6M80300.D	BLK	03/12/12 11:47
6M80301.D	BLKJUG#1	03/12/12 12:03
6M80302.D	AC64633-002	03/12/12 12:19
6M80303.D	AC64633-008	03/12/12 12:35
6M80304.D	AC64653-020	03/12/12 12:50
6M80305.D	AC64635-011	03/12/12 13:06
6M80306.D	AC64635-012	03/12/12 13:29
6M80307.D	AC64635-013	03/12/12 13:45
6M80308.D	AC64635-014	03/12/12 14:01
6M80309.D	AC64633-005	03/12/12 14:17
6M80310.D	AC64633-006	03/12/12 14:33
6M80311.D	AC64633-007	03/12/12 14:49
6M80312.D	AC64633-004	03/12/12 15:05
6M80313.D	AC64633-003	03/12/12 15:20
6M80314.D	AC64633-001	03/12/12 15:46
6M80315.D	AC64633-009	03/12/12 16:02
6M80316.D	AC64633-010	03/12/12 16:18
6M80317.D	AC64578-001(MS)	03/12/12 16:33
6M80318.D	AC64578-001(MSD	03/13/12 06:04
6M80319.D	AC64651-006	03/13/12 06:19

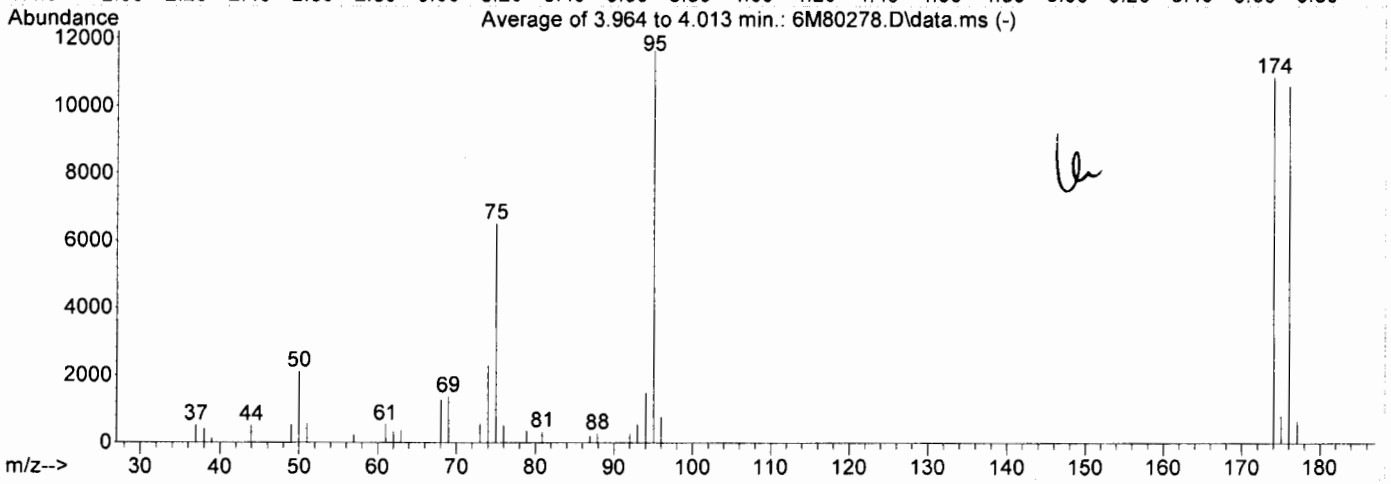
2030826 0056

Data Path : G:\GcMsData\2012\gcms_6\Data\03-12-12\
Data File : 6M80278.D
Acq On : 12 Mar 2012 5:45
Operator : DB
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2012\gcms_6\MethodQt\6M_A0307.M
Title : @GCMS_6,ug,624,8260
Last Update : Wed Mar 07 16:20:03 2012





Spectrum Information: Average of 3.964 to 4.013 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.1	2111	PASS
75	95	30	60	55.9	6496	PASS
95	95	100	100	100.0	11631	PASS
96	95	5	9	6.8	791	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	93.3	10856	PASS
175	174	5	9	7.4	808	PASS
176	174	95	101	97.6	10593	PASS
177	176	5	9	6.2	653	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 6

Data File: 6M80320.D
Analysis Date: 03/13/12 06:34
Method: EPA 8260B

Tune Scan/Time Range: Average of 3.979 to 4.019 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	20.9	4062	PASS
75	95	30	60	57.6	11226	PASS
95	95	100	100	100.0	19474	PASS
96	95	5	9	7.1	1374	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	98.5	19183	PASS
175	174	5	9	6.8	1314	PASS
176	174	95	101	95.5	18325	PASS
177	176	5	9	5.2	950	PASS

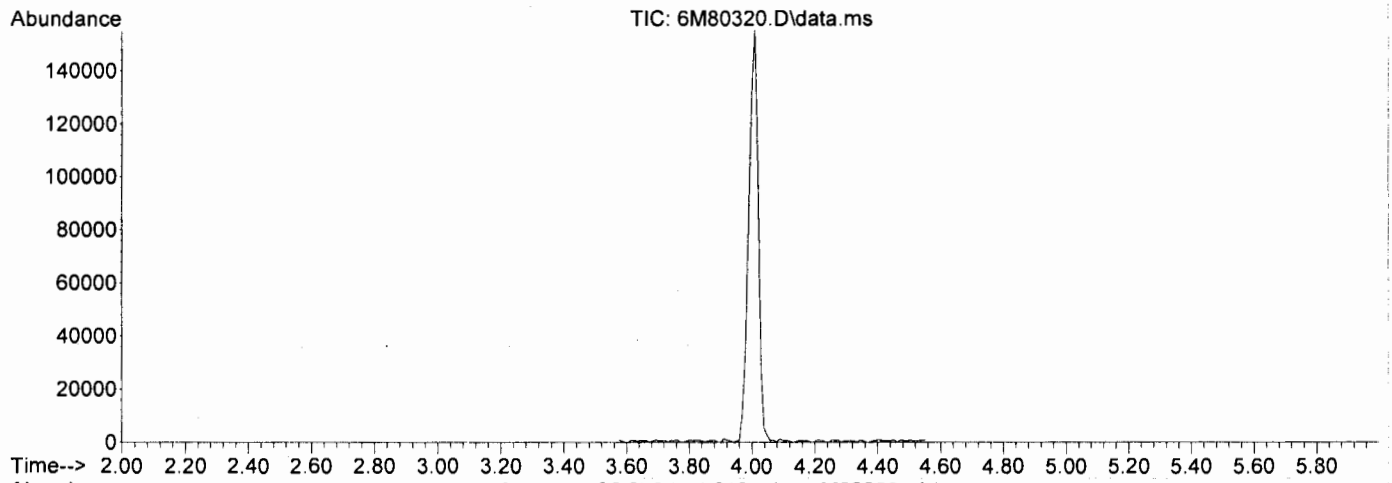
Data File	Sample Number	Analysis Date:
6M80321.D	BLK	03/13/12 06:44
6M80322.D	20 PPB	03/13/12 07:01
6M80323.D	BLK	03/13/12 07:18
6M80324.D	CAL @ 20 PPB	03/13/12 07:35
6M80325.D	BLK	03/13/12 08:11
6M80326.D	DAILY BLANK	03/13/12 08:27
6M80327.D	DAILY BLANK	03/13/12 08:43
6M80328.D	BLK	03/13/12 08:59
6M80329.D	MDL @ 1 PPB	03/13/12 09:15
6M80330.D	1 PPB	03/13/12 09:30
6M80331.D	MDL @ 1 PPB	03/13/12 09:46
6M80332.D	MDL @ 1 PPB	03/13/12 10:02
6M80333.D	MDL @ 1 PPB	03/13/12 11:30
6M80334.D	MDL @ 1 PPB	03/13/12 11:46
6M80335.D	MDL @ 1 PPB	03/13/12 12:02
6M80336.D	MDL @ 1 PPB	03/13/12 12:18
6M80337.D	VER @ 1 PPB	03/13/12 12:34
6M80338.D	1 PPB	03/13/12 12:49
6M80339.D	VER @ 0.5 PPB	03/13/12 13:08
6M80340.D	AC64634-002(50X)	03/13/12 13:26
6M80341.D	MBS16910	03/13/12 13:42
6M80342.D	MBS16912	03/13/12 13:58
6M80343.D	MBS16913	03/13/12 14:14
6M80344.D	BLKTEST	03/13/12 14:30
6M80345.D	AC64653-014	03/13/12 14:46
6M80346.D	AC64501-016(80uL	03/13/12 15:02
6M80347.D	AC64501-026(80uL	03/13/12 15:17
6M80348.D	AC64651-005(400u	03/13/12 15:33
6M80349.D	AC64651-010(400u	03/13/12 15:49
6M80350.D	AC64651-009(400u	03/13/12 16:05
6M80351.D	AC64651-008(400u	03/13/12 16:21
6M80352.D	AC64651-007(400u	03/13/12 16:36
6M80353.D	AC64634-002	03/13/12 16:52
6M80354.D	AC64635-011(MS)	03/13/12 17:08
6M80355.D	AC64635-011(MSD	03/13/12 17:24
6M80356.D	AC64666-001	03/13/12 17:40
6M80357.D	AC64671-001	03/13/12 17:56
6M80358.D	AC64671-002	03/13/12 18:11
6M80359.D	AC64671-003	03/13/12 18:27
6M80360.D	AC64675-001	03/13/12 18:43
6M80361.D	AC64675-002	03/13/12 18:59
6M80362.D	AC64666-003	03/13/12 19:15
6M80363.D	AC64666-002(10X)	03/13/12 19:31
6M80364.D	BLK	03/13/12 21:32
6M80365.D	AC64579-003	03/13/12 21:47
6M80366.D	AC64579-002	03/13/12 22:03
6M80367.D	AC64579-005	03/13/12 22:19
6M80368.D	AC64579-006	03/13/12 22:35
6M80369.D	AC64598-001	03/13/12 22:50
6M80370.D	MBS16918	03/13/12 23:06
6M80371.D	AC64556-001(MS)	03/13/12 23:22
6M80372.D	MBS16933	03/13/12 23:38
6M80373.D	AC64556-001(MSD	03/13/12 23:54
6M80374.D	MBS16934	03/14/12 00:10
6M80375.D	BLK	03/14/12 00:26
6M80376.D	BLK	03/14/12 00:42
6M80377.D	BLK	03/14/12 00:57
6M80378.D	MBS16921	03/14/12 01:13

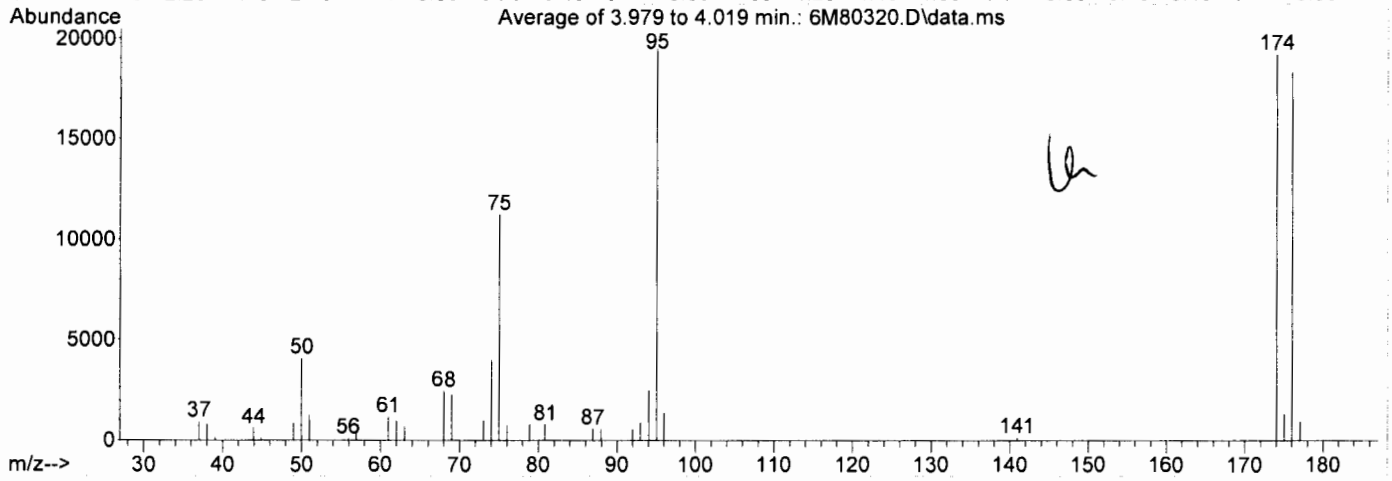
2030826 0058

Data Path : G:\GcMsData\2012\gcms_6\Data\03-13-12\
Data File : 6M80320.D
Acq On : 13 Mar 2012 6:34
Operator : WP
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2012\gcms_6\MethodQt\6M_A0307.M
Title : @GCMS_6,ug,624,8260
Last Update : Wed Mar 07 16:20:03 2012





Spectrum Information: Average of 3.979 to 4.019 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.9	4062	PASS
75	95	30	60	57.6	11226	PASS
95	95	100	100	100.0	19474	PASS
96	95	5	9	7.1	1374	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	98.5	19183	PASS
175	174	5	9	6.8	1314	PASS
176	174	95	101	95.5	18325	PASS
177	176	5	9	5.2	950	PASS

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_1

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	1M79917.	CAL @ 50 PPB	03/06/12 12:44	2	1M79914.	CAL @ 500 PPB	03/06/12 11:55
3	1M79915.	CAL @ 250 PPB	03/06/12 12:11	4	1M79916.	CAL @ 100 PPB	03/06/12 12:28
5	1M79918.	CAL @ 20 PPB	03/06/12 13:00	6	1M79905.	CAL @ 5 PPB	03/06/12 09:49
7	1M79911.	CAL @ 2 PPB	03/06/12 11:16	8	1M79903.	CAL @ 1 PPB	03/06/12 09:16
9	1M79926.	CAL @ 0.5 PPB	03/06/12 15:15				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Chlorodifluoromethane	1	0	LinF	0.3551	0.5066	0.5185	0.6697	0.5868	0.8375	1.5843	-----	-----	0.723	1.30	0.994	0.995	56		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Dichlorodifluoromethan	1	0	LinF	0.2574	0.4341	0.4110	0.5446	0.4801	0.4718	0.4397	-----	-----	0.434	1.28	0.994	0.994	21		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Chloromethane	1	0	LinF	0.1501	0.2106	0.2068	0.2498	0.2197	0.2253	0.1103	-----	-----	0.196	1.40	0.997	0.997	25	**(0.100)	50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Bromomethane	1	0	LinF	0.2031	0.2333	0.2346	0.3163	0.2504	0.2557	0.3099	-----	-----	0.258	1.70	0.994	0.995	16		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Vinyl Chloride	1	0	LinF	0.1378	0.2039	0.2144	0.2624	0.2122	0.2367	0.1970	-----	-----	0.209	1.47	0.995	0.996	18	*(30)	50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Chloroethane	1	0	Avg	0.1459	0.2086	0.1942	0.2301	0.2049	0.2105	0.1777	-----	-----	0.196	1.77	0.997	0.998	14		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Trichlorofluoromethane	1	0	LinF	0.3317	0.4980	0.4871	0.6128	0.5368	0.5681	0.4729	-----	-----	0.501	1.97	0.996	0.996	18		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Ethyl ether	1	0	Avg	0.1266	0.1056	0.1072	0.1306	0.1171	0.1068	0.1145	-----	-----	0.116	2.17	0.998	0.998	8.6		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Furan	1	0	Avg	0.5000	0.6521	0.6795	0.6764	0.5981	0.6264	0.6490	-----	-----	0.626	2.19	0.999	0.999	9.9		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
1.1.2-Trichloro-1.2.2-tri	1	0	Qua	0.2344	0.2658	0.3105	0.3965	0.3883	0.3295	0.3128	0.4830	-----	0.340	2.34	0.987	0.996	23		50.00	500.0	250.0	100.0	20.00	5.00	2.00	1.00	
Methylene Chloride	1	0	Qua	0.2074	0.1894	0.2005	0.2242	0.2183	0.2815	0.4087	-----	-----	0.247	2.66	0.999	1.00	31		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Acrolein	1	0	Avg	0.0120	0.0097	0.0102	0.0110	0.0115	0.0081	0.0124	-----	-----	0.0108	2.24	0.999	1.00	14		250.0	2500.	1250.	500.0	100.0	25.00	10.00		
Acrylonitrile	1	0	LinF	0.0263	0.0252	0.0236	0.0276	0.0260	0.0151	0.0116	-----	-----	0.0222	2.84	0.998	0.999	28		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Iodomethane	1	0	Avg	0.4121	0.4716	0.4718	0.5264	0.4397	0.4313	0.4430	-----	-----	0.457	2.45	0.999	0.999	8.2		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Acetone	1	0	LinF	0.0234	0.0171	0.0185	0.0230	0.0243	0.0304	0.0413	-----	-----	0.0255	2.35	0.996	0.999	32		250.0	2500.	1250.	500.0	100.0	25.00	10.00		
Carbon Disulfide	1	0	LinF	0.5637	0.8137	0.7989	0.9961	0.7639	0.7338	0.7324	-----	-----	0.772	2.51	0.996	0.996	17		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
t-Butyl Alcohol	1	0	LinF	0.0056	0.0048	0.0046	0.0064	0.0057	0.0023	0.0048	-----	-----	0.00493	2.72	0.994	0.995	26		250.0	2500.	1250.	500.0	100.0	25.00	10.00		
n-Hexane	1	0	LinF	0.3145	0.4188	0.4309	0.5397	0.5051	0.4517	0.3651	-----	-----	0.432	3.10	0.995	0.996	18		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Di-isopropyl-ether	1	0	Avg	0.7197	0.6817	0.6935	0.8257	0.7979	0.6749	0.7655	-----	-----	0.737	3.25	0.998	0.999	8.1		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
1.1-Dichloroethene	1	0	Avg	0.3243	0.4406	0.4425	0.5398	0.4818	0.4314	0.4516	-----	-----	0.445	2.35	0.997	0.997	15	*(30)	50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Methyl Acetate	1	0	LinF	0.0698	0.0531	0.0581	0.0721	0.0750	0.0804	0.1305	-----	-----	0.0770	2.58	0.995	0.999	33		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Methyl-t-butyl ether	1	0	Avg	0.3246	0.2935	0.2797	0.3591	0.2959	0.2945	0.3014	0.3395	-----	0.311	2.88	0.997	0.997	8.8		50.00	500.0	250.0	100.0	20.00	5.00	2.00	1.00	
1.1-Dichloroethane	1	0	Avg	0.3950	0.4410	0.4581	0.5732	0.4685	0.4335	0.4760	-----	-----	0.464	3.21	0.996	0.997	12	**(0.100)	50.00	500.0	250.0	100.0	20.00	5.00	2.00		
trans-1.2-Dichloroether	1	0	Avg	0.2094	0.3036	0.2718	0.3259	0.2739	0.3300	0.2904	-----	-----	0.286	2.89	0.996	0.998	14		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
cis-1.2-Dichloroethene	1	0	Avg	0.3850	0.4259	0.4280	0.4933	0.4729	0.4173	0.4951	-----	-----	0.445	3.68	0.999	0.999	9.5		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Bromochloromethane	1	0	LinF	0.1903	0.1877	0.1823	0.2317	0.1856	0.2339	0.1452	-----	-----	0.194	3.85	0.997	0.997	16		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
2.2-Dichloropropane	1	0	Avg	0.2859	0.3634	0.3985	0.4305	0.3842	0.3625	0.3528	-----	-----	0.368	3.68	0.996	0.999	12		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Ethyl acetate	1	0	Avg	0.0986	0.0836	0.0891	0.1019	0.0858	0.0865	0.1246	-----	-----	0.0958	3.71	0.998	1.00	15		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
1.4-Dioxane	1	0	Avg	0.0010	0.0008	0.0008	0.0011	0.0010	0.0008	0.0012	-----	-----	.000990	4.91	0.997	0.997	14		2500.	2500	1250	5000.	1000.	250.0	100.0		
1.1-Dichloropropene	1	0	Qua	0.3280	0.3671	0.4339	0.5311	0.4741	0.4214	0.4098	0.5928	-----	0.445	4.18	0.987	0.997	19		50.00	500.0	250.0	100.0	20.00	5.00	2.00	1.00	
Chloroform	1	0	Avg	0.3762	0.4360	0.4501	0.5303	0.4259	0.4080	0.5009	-----	-----	0.447	3.91	0.998	0.998	12	*(30)	50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Dibromofluoromethane	1	0	Avg	0.2265	0.1910	0.2205	0.2346	0.2093	0.2306	0.2204	0.2374	0.2114	0.220	4.02	-1	-1	6.6		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Cyclohexane	1	0	LinF	0.3600	0.5126	0.4730	0.6680	0.6392	0.5149	0.4929	-----	-----	0.523	4.12	0.992	0.993	20		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
1.2-Dichloroethane-d4	1	0	Avg	0.0800	0.0704	0.0787	0.0862	0.0815	0.0776	0.0825	0.0831	0.0839	0.0805	4.26	-1	-1	5.7		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
1.2-Dichloroethane	1	0	LinF	0.2137	-----	0.2051	0.2439	0.2385	0.2347	0.3101	-----	-----	0.241	4.30	0.994	0.998	15		50.00		250.0	100.0	20.00	5.00	2.00		
2-Butanone	1	0	Avg	0.0360	-----	-----	0.0437	0.0410	0.0514	0.0407	0.0514	-----	0.0441	3.67	0.992	0.998	14		50.00			100.0	20.00	5.00	2.00	1.00	
1.1.1-Trichloroethane	1	0	Avg	0.4323	0.4915	0.5152	0.6226	0.5049	0.5035	0.5102	-----	-----	0.512	4.06	0.996	0.998	11		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Carbon Tetrachloride	1	0	Avg	0.3547	0.3995	0.4581	0.5687	0.4628	0.4327	0.4235	-----	-----	0.443	4.19	0.989	0.997	15		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Vinyl Acetate	1	0	Avg	0.5449	0.4914	0.5161	0.6317	0.5555	0.5024	0.5800	-----	-----	0.546	3.25	0.997	0.999	9.0		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Bromodichloromethane	1	0	Avg	0.2783	0.2770	0.2911	0.3271	0.2804	0.2608	0.3475	-----	-----	0.295	5.00	0.998	0.999	11		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Methylcyclohexane	1	0	LinF	0.4270	0.5017	0.5110	0.6730	0.5591	0.5972	0.4618	-----	-----	0.533	4.85	0.995	0.996	16		50.00	500.0	250.0	100.0	20.00	5.00	2.00		

Flags
a - failed the spcc criteria — ** - ccc compound*
b - failed the ccc criteria — *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 15.9
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

20030826 0059

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_1

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	1M79917.	CAL @ 50 PPB	03/06/12 12:44	2	1M79914.	CAL @ 500 PPB	03/06/12 11:55
3	1M79915.	CAL @ 250 PPB	03/06/12 12:11	4	1M79916.	CAL @ 100 PPB	03/06/12 12:28
5	1M79918.	CAL @ 20 PPB	03/06/12 13:00	6	1M79905.	CAL @ 5 PPB	03/06/12 09:49
7	1M79911.	CAL @ 2 PPB	03/06/12 11:16	8	1M79903.	CAL @ 1 PPB	03/06/12 09:16
9	1M79926.	CAL @ 0.5 PPB	03/06/12 15:15				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Dibromomethane	1	0	LinF	0.1660	0.1359	0.1445	0.1760	0.1714	0.1574	0.2345	-----	-----	0.169	4.91	0.997	0.999	19		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
1.2-Dichloropropane	1	0	Avg	0.2421	-----	-----	0.2975	0.2653	0.2262	0.3108	-----	-----	0.268	4.85	0.991	0.999	13	*(30)	50.00			100.0	20.00	5.00	2.00		
Trichloroethene	1	0	Avg	0.3945	0.3897	0.4115	0.5019	0.4500	0.4040	0.5268	-----	-----	0.440	4.71	0.996	0.998	13		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Benzene	1	0	Avg	0.9421	-----	0.9661	1.1560	1.1134	1.1687	1.2689	1.3697	-----	1.14	4.31	0.994	0.997	13		50.00		250.0	100.0	20.00	5.00	2.00	1.00	
Iso-propylacetate	1	0	Avg	0.2479	0.2233	0.2535	0.2860	0.2681	0.3012	0.2945	-----	-----	0.268	4.32	0.994	1.00	10		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Methyl methacrylate	1	0	Avg	0.1342	0.1233	0.1342	0.1593	0.1393	0.1803	0.1680	-----	-----	0.148	4.89	0.996	0.999	14		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Dibromochloromethane	1	0	Avg	0.2572	0.2903	0.2881	0.3229	0.2323	0.2613	0.2856	-----	-----	0.277	5.96	0.999	0.999	11		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
2-Chloroethylvinylether	1	0	Avg	0.0353	0.0412	0.0387	0.0460	0.0333	0.0354	0.0342	-----	-----	0.0377	5.17	0.998	0.998	12		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
cis-1.3-Dichloropropene	1	0	Avg	0.3634	0.3948	0.4289	0.4920	0.4125	0.3676	0.3944	-----	-----	0.408	5.27	0.996	0.999	11		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
trans-1.3-Dichloroprope	1	0	Avg	0.2847	0.3377	0.2862	0.3667	0.2912	0.2623	0.2766	-----	-----	0.301	5.59	0.993	0.996	12		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Ethyl methacrylate	1	0	Avg	0.1830	0.1830	0.1910	0.2150	0.1729	0.1428	0.1669	-----	-----	0.179	5.63	0.998	0.999	12		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
1.1.2-Trichloroethane	1	0	LinF	0.1570	0.1837	0.1816	0.2180	0.1750	0.1929	0.2699	-----	-----	0.197	5.71	0.998	0.998	19		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
1.2-Dibromoethane	1	0	Avg	0.1821	0.1778	0.1738	0.1852	0.1931	0.1765	0.2048	-----	-----	0.185	6.04	1.00	1.00	5.9		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
1.3-Dichloropropane	1	0	Avg	0.2999	0.2565	0.2592	0.3235	0.3193	0.3336	0.3890	-----	-----	0.312	5.81	0.998	0.998	15		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
4-Methyl-2-Pentanone	1	0	Avg	0.1463	0.1293	0.1271	0.1593	0.1443	0.1154	0.1638	-----	-----	0.141	5.35	0.998	0.998	13		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
2-Hexanone	1	0	Avg	0.0944	0.0791	0.0885	0.1062	0.1036	0.0804	0.0772	-----	-----	0.0900	5.84	0.994	0.999	13		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Tetrachloroethene	1	0	Qua	0.4614	0.4969	0.5595	0.7629	0.6927	0.7217	0.6082	0.9966	-----	0.663	5.82	0.987	0.995	26		50.00	500.0	250.0	100.0	20.00	5.00	2.00	1.00	
Toluene-d8	1	0	Avg	1.1639	1.3600	1.2203	1.5211	1.3251	1.4370	1.3363	1.4010	1.4052	1.35	5.45	-1	-1	8.1		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Toluene	1	0	Avg	0.8309	-----	0.9637	1.1720	1.1097	1.1715	1.1027	1.3513	-----	1.10	5.49	0.991	0.994	15	*(30)	50.00		250.0	100.0	20.00	5.00	2.00	1.00	
1.1.1.2-Tetrachloroetha	1	0	Avg	0.2995	0.3332	0.3304	0.3910	0.3953	0.3456	0.4202	-----	-----	0.359	6.37	0.998	0.999	12		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Chlorobenzene	1	0	LinF	0.8504	0.9797	1.0797	1.3641	1.1234	1.3257	1.3110	-----	-----	1.15	6.32	0.992	0.997	17	**(0.300)	50.00	500.0	250.0	100.0	20.00	5.00	2.00		
n-Butyl acrylate	1	0	Avg	0.5508	0.5494	0.6232	0.6130	0.5207	0.3886	0.5092	-----	-----	0.536	6.62	0.996	0.999	15		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
n-Amyl acetate	1	0	Avg	0.5415	0.5236	0.5485	0.6337	0.5554	0.5482	0.4728	-----	-----	0.546	6.75	0.998	0.999	8.7		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Bromoform	1	0	Avg	0.2744	0.3110	0.3540	0.3187	0.2885	0.2438	0.2307	-----	-----	0.289	6.81	0.995	0.998	15	**(0.100)	50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Ethylbenzene	1	0	Avg	0.7653	-----	0.9348	0.9674	0.9428	0.9276	0.7494	1.1458	-----	0.919	6.38	0.998	0.998	15	*(30)	50.00		250.0	100.0	20.00	5.00	2.00	1.00	
1.1.2.2-Tetrachloroetha	1	0	Avg	0.2751	0.3178	0.3061	0.3430	0.3436	0.3483	0.3937	-----	-----	0.333	7.06	0.999	0.999	11	**(0.300)	50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Bromofluorobenzene	1	0	Avg	0.9037	0.8772	0.9017	0.8884	0.7959	0.9052	0.9142	0.8495	0.8258	0.874	7.01	-1	-1	4.7		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Styrene	1	0	Avg	1.7157	1.3251	1.8339	2.0605	1.8672	1.8877	1.5376	-----	-----	1.75	6.70	0.965	0.999	14		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
m&p-Xylenes	1	0	Avg	1.0926	-----	1.2525	1.3860	1.4669	1.5863	1.2819	1.5936	1.4591	1.39	6.45	0.997	0.998	12		100.0		500.0	200.0	40.00	10.00	4.00	2.00	1.00
o-Xylene	1	0	Avg	1.0591	-----	1.2688	1.4140	1.3003	1.3943	1.2126	1.7167	-----	1.34	6.70	0.996	0.997	15		50.00		250.0	100.0	20.00	5.00	2.00	1.00	
trans-1.4-Dichloro-2-bu	1	0	LinF	0.2037	0.2522	0.2854	0.3220	0.2854	0.3143	0.2037	-----	-----	0.267	7.09	0.993	0.998	18		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
1.3-Dichlorobenzene	1	0	Avg	1.4603	-----	1.7017	1.9062	2.0838	2.0018	2.1146	-----	-----	1.88	7.69	0.996	0.996	13		50.00		250.0	100.0	20.00	5.00	2.00		
1.4-Dichlorobenzene	1	0	Avg	1.5627	1.5136	1.7738	1.8197	1.7298	2.0074	1.9863	-----	-----	1.77	7.74	0.993	0.999	11		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
1.2-Dichlorobenzene	1	0	Avg	1.4477	1.1658	1.5087	1.5494	1.4489	1.5244	1.4821	-----	-----	1.45	7.98	0.981	0.999	9.0		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Isopropylbenzene	1	0	Avg	3.0809	-----	3.7002	4.8584	4.1029	3.8133	3.5805	4.4291	-----	3.94	6.90	0.982	0.989	15		50.00		250.0	100.0	20.00	5.00	2.00	1.00	
Cyclohexanone	1	0	LinF	0.0056	-----	0.0067	0.0063	0.0081	0.0137	0.0147	0.0343	-----	0.0128	6.97	0.997	0.999	79		500.0		2500.	1000.	200.0	50.00	20.00	10.00	
Camphene	1	0	Qua	1.0379	1.3238	1.7380	2.0253	1.7534	1.7089	1.1682	-----	-----	1.54	7.09	0.971	0.995	24		50.00	500.0	250.0	100.0	20.00	5.00	2.00		
1.2.3-Trichloropropane	1	0	Avg	0.3779	-----	0.3833	0.4136	0.4001	0.4157	0.5453	-----	-----	0.423	7.11	0.999	0.999	15		50.00		250.0	100.0	20.00	5.00	2.00		
2-Chlorotoluene	1	0	LinF	1.4443	-----	1.5726	1.7966	1.8694	2.3831	1.8465	-----	-----	1.82	7.23	0.996	0.997	18		50.00		250.0	100.0	20.00	5.00	2.00		
p-Ethyltoluene	1	0	Avg	3.2257	-----	3.9051	4.3139	4.5881	4.7364	4.0423	4.8995	-----	4.24	7.23	0.996	0.996	14		50.00		250.0	100.0	20.00	5.00	2.00	1.00	
4-Chlorotoluene	1	0	Avg	1.8202	1.3535	1.8109	1.6409	1.6122	2.0311	2.1750	-----	-----	1.78	7.29	0.976	0.997	15		50.00	500.0	250.0	100.0	20.00	5.00	2.00		

Avg Rsd: 15.9

Flags

a - failed the spcc criteria — ** - ccc compound*

b - failed the ccc criteria — *** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note:

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

20030826 0060

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_1

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	1M79917.	CAL @ 50 PPB	03/06/12 12:44	2	1M79914.	CAL @ 500 PPB	03/06/12 11:55
3	1M79915.	CAL @ 250 PPB	03/06/12 12:11	4	1M79916.	CAL @ 100 PPB	03/06/12 12:28
5	1M79918.	CAL @ 20 PPB	03/06/12 13:00	6	1M79905.	CAL @ 5 PPB	03/06/12 09:49
7	1M79911.	CAL @ 2 PPB	03/06/12 11:16	8	1M79903.	CAL @ 1 PPB	03/06/12 09:16
9	1M79926.	CAL @ 0.5 PPB	03/06/12 15:15				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
n-Propylbenzene	1	0	Avg	3.5757	3.3800	3.9983	4.5461	4.2837	5.0602	4.3484	4.7636	-----	4.24	7.16	0.990	0.999	13	50.00	500.0	250.0	100.0	20.00	5.00	2.00	1.00	
Bromobenzene	1	0	Avg	1.5663	1.2675	1.6273	1.5908	1.6088	1.8074	1.7350	-----	-----	1.60	7.11	0.983	0.999	11	50.00	500.0	250.0	100.0	20.00	5.00	2.00		
1.3.5-Trimethylbenzene	1	0	LinF	2.3887	-----	-----	-----	2.8799	3.0560	6.5310	2.8051	-----	3.53	7.26	0.992	0.997	48	50.00				20.00	5.00	2.00	1.00	
Butyl methacrylate	1	0	Avg	0.8432	0.6796	0.8060	0.9244	0.9730	0.9935	1.0577	-----	-----	0.897	7.27	0.990	1.00	14	50.00	500.0	250.0	100.0	20.00	5.00	2.00		
t-Butylbenzene	1	0	Avg	2.4828	-----	3.5593	3.8678	3.3320	3.3409	2.6935	3.1611	-----	3.21	7.46	0.994	0.994	15	50.00		250.0	100.0	20.00	5.00	2.00	1.00	
1.2.4-Trimethylbenzene	1	0	Avg	2.6752	2.2230	2.9593	3.3450	3.3346	2.8389	2.6640	2.8279	-----	2.86	7.49	0.974	0.999	13	50.00	500.0	250.0	100.0	20.00	5.00	2.00	1.00	
sec-Butylbenzene	1	0	Qua	2.7674	3.2794	3.7724	5.0652	4.8510	5.0259	3.5579	3.9248	-----	4.03	7.60	0.985	0.994	21	50.00	500.0	250.0	100.0	20.00	5.00	2.00	1.00	
4-Isopropyltoluene	1	0	LinF	2.6482	-----	3.4141	3.8615	3.6536	3.6012	3.1619	2.4268	-----	3.25	7.68	0.994	0.995	17	50.00		250.0	100.0	20.00	5.00	2.00	1.00	
n-Butylbenzene	1	0	Avg	2.7347	-----	-----	-----	3.8931	3.6333	3.0859	3.3212	-----	3.33	7.93	0.971	1.00	14	50.00				20.00	5.00	2.00	1.00	
p-Diethylbenzene	1	0	Qua	1.3565	1.5226	1.8825	2.3986	1.9487	1.8383	1.3756	1.9232	-----	1.78	7.92	0.979	0.996	20	50.00	500.0	250.0	100.0	20.00	5.00	2.00	1.00	
1.2.4.5-Tetramethylben	1	0	LinF	1.8601	-----	2.8285	2.7978	2.4906	2.1087	2.0635	-----	-----	2.36	8.42	0.995	0.996	17	50.00		250.0	100.0	20.00	5.00	2.00		
1.2-Dibromo-3-Chloropr	1	0	LinF	0.0719	0.0662	0.0715	0.0660	0.0534	0.0489	0.0509	-----	-----	0.0613	8.47	0.998	0.999	16	50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Camphor	1	0	LinF	0.0248	-----	0.0267	0.0279	0.0303	0.0177	0.0158	0.0312	-----	0.0250	8.94	0.999	0.999	24	500.0		2500.	1000.	200.0	50.00	20.00	10.00	
Hexachlorobutadiene	1	0	Avg	0.8523	0.9561	1.1625	1.1770	0.9684	1.0323	0.8202	-----	-----	0.996	9.12	0.988	0.998	14	50.00	500.0	250.0	100.0	20.00	5.00	2.00		
1.2.4-Trichlorobenzene	1	0	Avg	1.0939	0.8751	1.0388	1.2470	1.2538	1.0173	1.0447	-----	-----	1.08	9.02	0.988	0.999	12	50.00	500.0	250.0	100.0	20.00	5.00	2.00		
1.2.3-Trichlorobenzene	1	0	Avg	1.0110	0.7566	0.9183	0.9172	0.9631	0.8573	0.7818	-----	-----	0.887	9.34	0.990	1.00	11	50.00	500.0	250.0	100.0	20.00	5.00	2.00		
Naphthalene	1	0	Lin	1.1882	-----	0.9517	1.0959	1.2093	0.6942	0.8790	1.2960	-----	1.04	9.18	0.995	1.00	20	50.00		250.0	100.0	20.00	5.00	2.00	1.00	

Flags
a - failed the spcc criteria ** - ccc compound*
b - failed the ccc criteria *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 15.9
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

030826 0061

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_6

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	6M80100.	CAL @ 20 PPB	03/07/12 15:22	2	6M80095.	CAL @ 5 PPB	03/07/12 14:00
3	6M80101.	CAL @ 10 PPB	03/07/12 15:38	4	6M80099.	CAL @ 50 PPB	03/07/12 15:06
5	6M80098.	CAL @ 100 PPB	03/07/12 14:49	6	6M80097.	CAL @ 250 PPB	03/07/12 14:33
7	6M80096.	CAL @ 500 PPB	03/07/12 14:16	8	6M80103.	CAL @ 1 PPB	03/07/12 16:11
9	6M80094.	CAL @ 0.5 PPB	03/07/12 13:42				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Chlorodifluoromethane	1	0	Avg	0.8220	0.8501	0.8635	0.8091	0.8976	0.7852	0.6375	0.6237	-----	0.786	1.36	0.986	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dichlorodifluoromethan	1	0	Avg	0.7863	0.6920	0.8577	0.7899	0.7922	0.6995	0.7440	0.7959	-----	0.770	1.36	0.999	0.999	7.2		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloromethane	1	0	Avg	0.4222	0.3843	0.4462	0.4170	0.4442	0.3733	0.4212	0.4105	-----	0.415	1.50	0.997	0.998	6.2	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromomethane	1	0	Avg	0.4016	0.3274	0.4582	0.4316	0.4475	0.3794	0.3078	0.4266	-----	0.398	1.83	0.985	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Vinyl Chloride	1	0	Avg	0.5529	0.4708	0.5895	0.5730	0.5538	0.4914	0.5270	0.5199	-----	0.535	1.58	0.999	0.999	7.5	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloroethane	1	0	Avg	0.3068	0.2821	0.3536	0.3292	0.3320	0.3011	0.3141	0.3088	-----	0.316	1.90	0.999	0.999	6.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichlorofluoromethane	1	0	Avg	0.7987	0.7136	0.8678	0.8081	0.8153	0.7248	0.8201	0.8152	-----	0.795	2.10	0.997	0.999	6.5		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl ether	1	0	Avg	0.4581	0.4166	0.5290	0.4766	0.4707	0.4467	0.4328	0.4365	-----	0.458	2.31	1.00	1.00	7.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Furan	1	0	Avg	1.0227	0.9728	1.1286	1.0387	1.0248	0.8964	0.9729	1.0259	-----	1.01	2.33	0.998	0.999	6.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.2-Trichloro-1.2.2-tri	1	0	Avg	0.6236	0.5128	0.6600	0.6165	0.6040	0.5514	0.5480	0.5819	-----	0.587	2.49	1.00	1.00	8.2		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methylene Chloride	1	0	Avg	0.5632	0.5303	0.6126	0.5681	0.5630	0.5037	0.5045	0.6510	-----	0.562	2.83	0.999	1.00	9.1		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acrolein	1	0	Avg	0.0632	0.0552	0.0702	0.0660	0.0689	0.0678	0.0657	0.0573	-----	0.0643	2.39	1.00	1.00	8.4		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Acrylonitrile	1	0	LinF	0.1157	0.1061	0.1634	0.1261	0.1377	0.1259	0.1277	0.0846	-----	0.123	3.00	1.00	1.00	19		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Iodomethane	1	0	Avg	0.9526	0.7738	1.0219	0.9688	0.9734	0.8723	0.8884	0.7874	-----	0.905	2.60	0.999	0.999	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acetone	1	0	Avg	0.1109	0.1184	0.1344	0.1173	0.1192	0.1058	0.1057	0.1405	-----	0.119	2.50	0.999	1.00	11		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Carbon Disulfide	1	0	Avg	1.5200	1.3318	1.6044	1.5544	1.5760	1.4057	1.4028	1.3885	-----	1.47	2.66	0.999	1.00	6.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
t-Butyl Alcohol	1	0	Avg	0.0396	0.0314	0.0441	0.0426	0.0438	0.0428	-----	0.0302	-----	0.0392	2.91	1.00	1.00	15		100.0	25.00	50.00	250.0	500.0	1250.		5.00	
n-Hexane	1	0	Avg	0.4652	0.3360	0.4931	0.4879	0.4888	0.4625	0.4652	0.5837	-----	0.473	3.27	1.00	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Di-isopropyl-ether	1	0	Avg	1.7276	1.5329	1.9556	1.7848	1.7322	1.5837	1.5397	1.4622	-----	1.66	3.43	0.999	1.00	9.8		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1-Dichloroethene	1	0	Avg	0.8208	0.6812	0.8940	0.8410	0.8394	0.7313	0.7196	0.7783	-----	0.788	2.49	0.999	0.999	9.2	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl Acetate	1	0	Avg	0.3365	0.3098	0.3634	0.3363	0.3319	0.3247	0.3460	0.3361	-----	0.336	2.76	0.999	1.00	4.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl-t-butyl ether	1	0	Avg	1.5743	1.2647	1.6925	1.6250	1.5777	1.4642	1.4177	1.2102	1.1414	1.44	3.06	0.999	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
1.1-Dichloroethane	1	0	Avg	0.9414	0.8598	1.0166	0.9819	0.9634	0.8189	0.8081	0.8680	-----	0.907	3.37	0.999	0.999	8.7	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1.2-Dichloroether	1	0	Avg	0.5699	0.4727	0.5947	0.5560	0.5581	0.4745	0.4539	0.4654	-----	0.518	3.05	0.998	0.999	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1.2-Dichloroethene	1	0	Avg	0.9251	0.8415	0.9601	0.9457	0.9117	0.7995	0.7730	0.9675	-----	0.891	3.82	0.999	0.999	8.5		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromochloromethane	1	0	Avg	0.4230	0.3829	0.4517	0.4334	0.4305	0.3890	0.3832	0.4136	-----	0.413	3.98	0.999	1.00	6.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2.2-Dichloropropane	1	0	Avg	0.8607	0.7741	0.9073	0.9101	0.9113	0.9084	0.8579	0.8083	-----	0.867	3.83	0.999	1.00	6.1		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl acetate	1	0	Avg	0.4492	0.3904	0.5287	0.4629	0.4727	0.4707	0.4709	0.4332	-----	0.460	3.87	1.00	1.00	8.5		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.4-Dioxane	1	0	LinF	0.0033	0.0022	0.0037	0.0035	0.0034	0.0027	0.0025	0.0035	-----	0.00313	4.92	0.993	0.999	17		1000.	250.0	500.0	2500.	5000.	1250	2500	50.00	
1.1-Dichloropropene	1	0	Avg	0.8180	0.7043	0.8502	0.8192	0.7829	0.7019	0.6643	0.7479	-----	0.761	4.27	0.998	1.00	8.8		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloroform	1	0	Avg	1.2199	1.1031	1.3204	1.2403	1.1946	1.0271	0.9769	1.0723	-----	1.14	4.03	0.998	0.999	10	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromofluoromethane	1	0	Avg	0.4040	0.4177	0.3978	0.3976	0.3815	0.3586	0.3291	0.4156	0.4129	0.391	4.13	-1	-1	7.6		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Cyclohexane	1	0	Avg	0.7149	0.5539	0.7641	0.7412	0.7289	0.6602	0.6555	0.6887	-----	0.688	4.22	0.999	1.00	9.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichloroethane-d4	1	0	Avg	0.2017	0.2029	0.1976	0.1883	0.1928	0.1861	0.1838	0.2128	0.1981	0.196	4.34	-1	-1	4.7		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
1.2-Dichloroethane	1	0	Avg	0.9508	0.8578	1.0284	0.9541	0.9181	0.8008	0.7340	0.8803	0.8894	0.890	4.39	0.997	1.00	9.8		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
2-Butanone	1	0	Avg	0.1729	0.1659	0.1839	0.1771	0.1780	0.1577	0.1343	0.2246	-----	0.174	3.83	0.992	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.1-Trichloroethane	1	0	Avg	1.1459	1.0408	1.2307	1.1736	1.1652	1.0659	1.0810	0.9608	-----	1.11	4.17	1.00	1.00	7.8		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Carbon Tetrachloride	1	0	Avg	1.0161	0.8387	1.0859	1.0416	1.0063	0.8745	0.8360	0.9073	-----	0.951	4.27	0.998	0.999	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Vinyl Acetate	1	0	Avg	1.0997	0.8413	1.0537	1.0716	1.1748	1.1254	1.1453	0.8451	-----	1.04	3.40	1.00	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromodichloromethane	1	0	Avg	0.9161	0.7807	0.9562	0.9657	0.9475	0.8580	0.8400	0.7622	0.7503	0.864	4.98	0.999	1.00	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
Methylcyclohexane	1	0	Avg	0.5603	0.4198	0.6134	0.5819	0.5725	0.4895	0.4716	0.5551	-----	0.533	4.85	0.998	0.999	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Flags
a - failed the spcc criteria — ** - ccc compound*
b - failed the ccc criteria — *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 11.8
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

030826 0062

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_6

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	6M80100.	CAL @ 20 PPB	03/07/12 15:22	2	6M80095.	CAL @ 5 PPB	03/07/12 14:00
3	6M80101.	CAL @ 10 PPB	03/07/12 15:38	4	6M80099.	CAL @ 50 PPB	03/07/12 15:06
5	6M80098.	CAL @ 100 PPB	03/07/12 14:49	6	6M80097.	CAL @ 250 PPB	03/07/12 14:33
7	6M80096.	CAL @ 500 PPB	03/07/12 14:16	8	6M80103.	CAL @ 1 PPB	03/07/12 16:11
9	6M80094.	CAL @ 0.5 PPB	03/07/12 13:42				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Dibromomethane	1	0	Avg	0.5086	0.4548	0.5342	0.5127	0.4891	0.4215	0.3768	0.4337	-----	0.466	4.91	0.995	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichloropropane	1	0	Avg	0.5064	0.4872	0.5596	0.5100	0.4980	0.4258	0.4002	0.4860	-----	0.484	4.85	0.997	0.999	10	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichloroethene	1	0	Avg	0.6689	0.5497	0.7355	0.6798	0.6691	0.6053	0.5722	0.5832	-----	0.633	4.74	0.998	1.00	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Benzene	1	0	Avg	1.9893	1.7962	2.1284	2.0257	1.9268	1.6489	1.5637	1.7519	1.6423	1.83	4.39	0.998	0.999	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
tert-Amyl methyl ether	1	0	Avg	1.5181	1.2570	1.7179	1.5876	1.5340	1.4054	1.3103	1.2222	-----	1.44	4.45	0.998	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Iso-propylacetate	1	0	Avg	1.0211	0.8699	1.0877	1.0551	1.0297	1.1405	1.2969	0.7988	-----	1.04	4.41	0.996	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl methacrylate	1	0	Avg	0.4806	0.4210	0.5059	0.5134	0.4836	0.5307	0.5756	0.3631	-----	0.484	4.89	0.998	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromochloromethane	1	0	Avg	0.7564	0.6369	0.7869	0.8290	0.8223	0.8289	0.8431	0.6059	0.5454	0.739	5.79	1.00	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
2-Chloroethylvinylether	1	0	LinF	0.3305	0.2586	0.3470	0.3571	0.3621	0.3829	0.4357	0.2344	-----	0.339	5.13	0.996	1.00	19		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1,3-Dichloropropene	1	0	Avg	0.9876	0.8108	1.0416	1.0400	1.0213	1.0932	1.2242	0.7747	-----	0.999	5.21	0.997	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1,3-Dichloroprope	1	0	LinF	0.9056	0.7104	0.9056	0.9593	0.9584	1.0243	1.0936	0.6347	-----	0.899	5.48	0.999	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl methacrylate	1	0	Avg	0.4986	0.4349	0.5385	0.5398	0.5408	0.5425	0.5457	0.3660	-----	0.501	5.52	1.00	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,1,2-Trichloroethane	1	0	Avg	0.4901	0.4402	0.5499	0.5254	0.5140	0.5241	0.5367	0.3991	-----	0.497	5.58	1.00	1.00	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2-Dibromoethane	1	0	Avg	0.5566	0.4643	0.6058	0.5985	0.5894	0.5925	0.5978	0.4255	0.4556	0.543	5.86	1.00	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
1,3-Dichloropropane	1	0	Avg	0.8337	0.7592	0.9249	0.8622	0.8140	0.8128	0.7904	0.6675	-----	0.808	5.67	1.00	1.00	9.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Methyl-2-Pentanone	1	0	Avg	0.4807	0.4063	0.5466	0.5180	0.5257	0.5607	0.5544	0.4035	-----	0.500	5.28	1.00	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Hexanone	1	0	Avg	0.3261	0.2380	0.3275	0.3388	0.3499	0.3410	0.3478	0.2390	-----	0.314	5.70	1.00	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Tetrachloroethene	1	0	Avg	0.5985	0.5455	0.6952	0.6203	0.5873	0.5622	0.5843	0.5444	-----	0.592	5.68	1.00	1.00	8.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Toluene-d8	1	0	Avg	1.2188	1.2455	1.1905	1.2133	1.2019	1.3135	1.4927	1.2102	1.2618	1.26	5.36	-1	-1	7.5		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Toluene	1	0	Avg	1.3207	1.1703	1.4226	1.3740	1.3406	1.2946	1.4288	1.2491	-----	1.33	5.39	0.998	1.00	6.6	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,1,1,2-Tetrachloroethe	1	0	Avg	0.6446	0.5701	0.7064	0.6702	0.6591	0.5876	0.5536	0.5118	-----	0.613	6.14	0.998	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chlorobenzene	1	0	Avg	1.4577	1.3229	1.5739	1.4948	1.4968	1.3641	1.3761	1.2956	-----	1.42	6.11	1.00	1.00	6.9	**(0.300)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Butyl acrylate	1	0	LinF	1.7197	1.1827	1.8068	1.9633	2.0107	1.6368	1.6136	1.1738	-----	1.64	6.36	0.997	0.998	19		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Amyl acetate	1	0	LinF	1.4940	1.2609	1.7281	1.7180	1.7615	1.3414	1.4170	0.9865	-----	1.46	6.48	0.996	0.996	18		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromoform	1	0	Avg	0.9637	0.7794	1.0800	1.1215	1.1730	0.9681	0.8841	0.8299	-----	0.975	6.53	0.995	0.999	14	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethylbenzene	1	0	Avg	1.4148	1.1886	1.5320	1.4457	1.3422	1.2873	-----	1.1201	-----	1.33	6.16	0.999	1.00	11	*(30)	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1,1,2,2-Tetrachloroethe	1	0	Avg	1.0085	0.8285	1.0441	1.0283	1.0822	0.8361	0.8852	0.8469	-----	0.945	6.75	0.997	0.997	11	**(0.300)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromofluorobenzene	1	0	Avg	1.0574	1.0443	1.0416	1.0543	1.1199	0.9290	0.9055	1.0373	1.1283	1.04	6.70	-1	-1	7.2		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Styrene	1	0	Avg	2.7062	2.2496	2.9389	2.7754	2.7832	2.2271	-----	2.1138	-----	2.54	6.43	0.990	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
m&p-Xylenes	1	0	Avg	1.6318	1.3892	1.8673	1.6298	1.5904	1.3469	-----	1.4165	1.2690	1.52	6.22	0.994	1.00	13		40.00	10.00	20.00	100.0	200.0	500.0		2.00	1.00
o-Xylene	1	0	Avg	1.5158	1.3553	1.7544	1.6081	1.5853	1.3009	-----	1.3644	-----	1.50	6.43	0.992	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
trans-1,4-Dichloro-2-bu	1	0	LinF	0.4990	0.3542	0.4904	0.5129	0.5121	0.4034	0.3779	0.3583	-----	0.439	6.77	0.995	0.998	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,3-Dichlorobenzene	1	0	Avg	1.8137	1.5404	2.0254	1.8228	1.8632	1.5983	1.5116	1.7168	-----	1.74	7.29	0.998	0.999	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,4-Dichlorobenzene	1	0	Avg	1.8683	1.6264	2.0388	1.9535	1.9548	1.7960	1.7324	1.8629	-----	1.85	7.34	0.999	1.00	7.2		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2-Dichlorobenzene	1	0	Avg	1.5834	1.3063	1.7876	1.6738	1.7190	1.6789	1.6190	1.3775	-----	1.59	7.55	1.00	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Isopropylbenzene	1	0	Avg	4.3628	3.5689	4.7836	4.4613	4.4178	3.4218	-----	3.4180	-----	4.06	6.61	0.986	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Cyclohexanone	1	0	LinF	0.0352	0.0270	0.0512	0.0414	0.0409	-----	-----	0.0508	-----	0.0411	6.67	0.998	0.998	23		100.0	25.00	50.00	250.0	500.0			5.00	
Camphene	1	0	Avg	1.2675	1.0226	1.4023	1.3298	1.3003	-----	-----	0.9485	-----	1.21	6.77	1.00	1.00	15		20.00	5.00	10.00	50.00	100.0			1.00	
1,2,3-Trichloropropane	1	0	Avg	1.2377	1.1346	1.3765	1.3320	1.3156	1.0066	0.9690	1.0841	-----	1.18	6.78	0.995	0.997	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Chlorotoluene	1	0	Avg	3.3419	2.6412	3.5048	3.2068	3.1273	2.3976	-----	3.4219	-----	3.09	6.89	0.985	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
p-Ethyltoluene	1	0	LinF	4.1083	3.3741	4.6251	4.2133	4.1725	3.1821	2.9297	3.2765	-----	3.74	6.88	0.993	0.997	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Avg Rsd: 11.8

Flags

a - failed the spcc criteria — ** - ccc compound*

b - failed the ccc criteria — *** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note:

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

0030826 0063

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_6

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	6M80100.	CAL @ 20 PPB	03/07/12 15:22	2	6M80095.	CAL @ 5 PPB	03/07/12 14:00
3	6M80101.	CAL @ 10 PPB	03/07/12 15:38	4	6M80099.	CAL @ 50 PPB	03/07/12 15:06
5	6M80098.	CAL @ 100 PPB	03/07/12 14:49	6	6M80097.	CAL @ 250 PPB	03/07/12 14:33
7	6M80096.	CAL @ 500 PPB	03/07/12 14:16	8	6M80103.	CAL @ 1 PPB	03/07/12 16:11
9	6M80094.	CAL @ 0.5 PPB	03/07/12 13:42				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
4-Chlorotoluene	1	0	LinF	2.9401	2.2920	3.4112	3.1663	3.0060	2.3548	2.1507	3.1580	-----	2.81	6.94	0.993	0.998	17	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Propylbenzene	1	0	Avg	4.4916	3.8340	4.9664	4.6653	4.6001	3.6102	3.4797	3.8582	-----	4.19	6.83	0.996	0.998	13	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromobenzene	1	0	Avg	2.4992	2.1505	2.7524	2.6186	2.5906	2.0012	1.8319	2.3044	-----	2.34	6.79	0.993	0.998	14	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,3,5-Trimethylbenzene	1	0	Avg	2.9713	2.4073	3.4021	3.0461	2.9371	2.5353	2.4411	2.8625	-----	2.83	6.91	0.998	0.999	12	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Butyl methacrylate	1	0	Avg	1.2121	0.9209	1.3524	1.2983	1.2960	1.0616	1.0560	0.9603	-----	1.14	6.93	0.998	0.998	15	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
t-Butylbenzene	1	0	Avg	2.8414	2.2205	3.1438	2.9745	3.0313	2.3904	2.3699	2.2284	-----	2.65	7.10	0.997	0.998	15	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,4-Trimethylbenzene	1	0	Avg	3.0190	2.3631	3.1956	3.1644	3.1195	2.7396	2.6236	2.5245	-----	2.84	7.12	0.998	1.00	11	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
sec-Butylbenzene	1	0	Avg	3.1923	2.5944	3.4748	3.3506	3.3556	2.7745	2.7208	2.6044	-----	3.01	7.22	0.998	0.999	12	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Isopropyltoluene	1	0	Avg	2.5924	2.0601	2.8083	2.6769	2.6390	2.3002	2.0878	2.0588	-----	2.40	7.29	0.996	1.00	13	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Butylbenzene	1	0	Avg	2.4491	1.8998	2.6975	2.5657	2.6254	2.5885	2.4426	2.1760	-----	2.43	7.51	0.999	1.00	11	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
p-Diethylbenzene	1	0	LinF	1.2838	0.8941	1.3235	1.3786	1.3996	1.3875	1.2941	0.9675	-----	1.24	7.50	0.999	1.00	16	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,4,5-Tetramethylber	1	0	LinF	2.0953	1.3512	2.1558	2.2122	2.2712	2.4974	2.3766	1.4791	-----	2.05	7.94	0.999	1.00	20	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2-Dibromo-3-Chlorop	1	0	LinF	0.1518	0.1039	0.1557	0.1568	0.1720	0.2106	0.2207	0.0661	-----	0.155	7.98	0.998	0.999	33	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Camphor	1	0	LinF	0.0564	0.0277	0.0603	0.0594	0.0586	0.0741	0.0678	0.0502	0.0229	0.0531	8.41	0.997	0.998	32	200.0	50.00	100.0	500.0	1000.	2500.	5000.	10.00	5.00
Hexachlorobutadiene	1	0	LinF	0.4604	0.3178	0.5159	0.4608	0.4534	0.4898	0.4351	0.5679	-----	0.463	8.56	0.997	0.999	16	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,4-Trichlorobenzene	1	0	Avg	0.9619	0.6999	1.0325	0.9755	0.9792	1.0640	1.0040	0.7775	-----	0.937	8.47	0.999	1.00	14	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,3-Trichlorobenzene	1	0	Avg	0.8834	0.6099	0.9517	0.9042	0.9000	1.0006	0.9112	0.7723	-----	0.867	8.75	0.998	0.999	14	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Naphthalene	1	0	LinF	1.9439	1.0626	2.1194	1.9221	1.9558	2.1762	1.9842	1.8891	-----	1.88	8.61	0.998	0.999	18	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Flags
a - failed the spcc criteria — ** - ccc compound*
b - failed the ccc criteria — *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 11.8
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

C2030826 0064

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB **Data File:** 1M80111.D **Instrument:** GCMS 1

Cont Calibration Date/Time 3/9/2012 2:15:00 PM Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.50	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.29	52.50				0.723			
Dichlorodifluoromethane	1	0		1.29	37.97	50			0.434	0.328	24.06	
Chloromethane	1	0	CP	1.39	48.95	50	0.1		0.196	0.206	2.11	
Bromomethane	1	0		1.71	49.76	50			0.258	0.235	0.49	
Vinyl Chloride	1	0	CC	1.48	51.51	50	20		0.209	0.214	3.02	
Chloroethane	1	0		1.78	48.13	50			0.196	0.189	3.74	
Trichlorofluoromethane	1	0		1.98	47.41	50			0.501	0.472	5.18	
Ethyl ether	1	0		2.18	42.75	50			0.116	0.099	14.50	
Furan	1	0		2.20	46.36	50			0.626	0.580	7.28	
1.1.2-Trichloro-1.2.2-trifluoroetha	1	0		2.36	48.72	50			0.340	0.346	2.56	
Methylene Chloride	1	0		2.68	50.89	50			0.247	0.222	1.78	
Acrolein	1	0		2.26	265.09	250			0.011	0.011	6.03	
Acrylonitrile	1	0		2.85	54.79	50			0.022	0.027	9.58	
Iodomethane	1	0		2.46	57.62	50			0.457	0.526	15.24	
Acetone	1	0		2.36	365.70	250			0.025	0.026	46.28	
Carbon Disulfide	1	0		2.52	52.32	50			0.772	0.852	4.64	
t-Butyl Alcohol	1	0		2.73	325.21	250			0.005	0.006	30.08	
n-Hexane	1	0		3.13	55.23	50			0.432	0.469	10.46	
Di-isopropyl-ether	1	0		3.28	52.13	50			0.737	0.768	4.26	
1.1-Dichloroethene	1	0	CC	2.36	52.53	50	20		0.445	0.467	5.05	
Methyl Acetate	1	0		2.61	57.77	50			0.077	0.063	15.54	
Methyl-t-butyl ether	1	0		2.90	47.85	50			0.311	0.298	4.29	
1.1-Dichloroethane	1	0	CP	3.22	53.40	50	0.1		0.464	0.495	6.80	
trans-1.2-Dichloroethene	1	0		2.91	54.01	50			0.286	0.309	8.02	
cis-1.2-Dichloroethene	1	0		3.70	52.29	50			0.445	0.466	4.58	
Bromochloromethane	1	0		3.87	53.59	50			0.194	0.202	7.18	
2.2-Dichloropropane	1	0		3.70	57.59	50			0.368	0.424	15.17	
Ethyl acetate	1	0		3.73	51.18				0.096			
1.4-Dioxane	1	0		4.93	3072.37	2500			0.001	0.001	22 89	
1.1-Dichloropropene	1	0		4.19	47.84	50			0.445	0.470	4.32	
Chloroform	1	0	CC	3.93	52.80	50	20		0.447	0.472	5.60	
Dibromofluoromethane	1	0	S	4.04	28.84	75			0.220	0.212	3.88	
Cyclohexane	1	0		4.13	57.69	50			0.523	0.587	15.38	
1.2-Dichloroethane-d4	1	0	S	4.27	27.45	75			0.080	0.074	8.49	
1.2-Dichloroethane	1	0		4.33	56.29	50			0.241	0.237	12.58	
2-Butanone	1	0		3.69	50.21	50			0.044	0.044	0.41	
1.1.1-Trichloroethane	1	0		4.08	53.14	50			0.512	0.544	6.28	
Carbon Tetrachloride	1	0		4.20	58.32	50			0.443	0.517	16.64	
Vinyl Acetate	1	0		3.26	52.74	50			0.546	0.576	5.47	
Bromodichloromethane	1	0		5.01	55.36	50			0.295	0.326	10.71	
Methylcyclohexane	1	0		4.86	63.59	50			0.533	0.646	27.19	
Dibromomethane	1	0		4.94	60.76	50			0.169	0.169	21.53	
1.2-Dichloropropane	1	0	CC	4.86	48.35	50	20		0.268	0.260	3.30	
Trichloroethene	1	0		4.73	52.65	50			0.440	0.463	5.30	
Benzene	1	0		4.33	48.41	50			1.141	1.104	3.19	
Chlorobenzene-d5	1	0	I	6.32	30.00	30				0.000	0.00	
Iso-propylacetate	1	0		4.34	54.61				0.268			
Methyl methacrylate	1	0		4.91	56.15				0.148			
Dibromochloromethane	1	0		5.97	56.75	50			0.277	0.314	13.49	
2-Chloroethylvinylether	1	0		5.18	60.78	50			0.038	0.046	21.57	
cis-1.3-Dichloropropene	1	0		5.29	55.85	50			0.408	0.455	11.70	
trans-1.3-Dichloropropene	1	0		5.61	55.48	50			0.301	0.334	10.96	
Ethyl methacrylate	1	0		5.65	56.43				0.179			
1.1.2-Trichloroethane	1	0		5.72	60.49	50			0.197	0.223	20.99	
1.2-Dibromoethane	1	0		6.05	57.34	50			0.185	0.212	14.67	
1.3-Dichloropropane	1	0		5.83	55.26	50			0.312	0.344	10.51	
4-Methyl-2-Pentanone	1	0		5.37	58.10	50			0.141	0.164	16.19	
2-Hexanone	1	0		5.86	67.47	50			0.090	0.121	34.94	
Tetrachloroethene	1	0		5.84	53.85	50			0.663	0.697	7.71	
Toluene-d8	1	0	S	5.46	30.56	75			1.352	1.378	1.88	
Toluene	1	0	CC	5.51	52.41	50	20		1.100	1.153	4.83	
1.1.1.2-Tetrachloroethane	1	0		6.38	57.77	50			0.359	0.415	15.53	
Chlorobenzene	1	0	CP	6.34	62.96	50	0.3		1.148	1.272	25.92	
1.4-Dichlorobenzene-d4	1	0	I	7.74	30.00	30				0.000	0.00	
n-Butyl acrylate	1	0		6.64	57.83				0.536			
n-Amyl acetate	1	0		6.77	57.99				0.546			
Bromoform	1	0	CP	6.83	60.76	50	0.1		0.289	0.351	21.53	
Ethylbenzene	1	0	CC	6.40	55.24	50	20		0.919	1.015	10.47	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/Q - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB **Data File:** 1M80111.D **Instrument:** GCMS 1

Cont Calibration Date/Time 3/9/2012 2:15:00 PM Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1.1.2.2-Tetrachloroethane	1	0	CP	7.08	62.66	50	0.3		0.333	0.417	25.32	
Bromofluorobenzene	1	0	S	7.03	31.41	75			0.874	0.915	4.69	
Styrene	1	0		6.71	61.17	50			1.747	2.137	22.34	
m&p-Xylenes	1	0		6.47	115.48	100			1.390	1.605	15.48	
o-Xylene	1	0		6.71	53.30	50			1.338	1.426	6.60	
trans-1.4-Dichloro-2-butene	1	0		7.11	60.65	50			0.267	0.316	21.31	
1.3-Dichlorobenzene	1	0		7.71	55.79	50			1.878	2.096	11.59	
1.4-Dichlorobenzene	1	0		7.76	48.80	50			1.771	1.728	2.40	
1.2-Dichlorobenzene	1	0		8.00	49.66	50			1.447	1.437	0.67	
Isopropylbenzene	1	0		6.92	58.07	50			3.938	4.574	16.14	
Cyclohexanone	1	0		6.98	594.51				0.013			
Camphene	1	0		7.11	45.41	50			1.537	1.810	9.18	
1.2.3-Trichloropropane	1	0		7.12	52.94	50			0.423	0.448	5.89	
2-Chlorotoluene	1	0		7.24	72.41	50			1.819	2.317	44.83	
p-Ethyltoluene	1	0		7.24	62.25				4.244			
4-Chlorotoluene	1	0		7.31	59.77	50			1.778	2.125	19.54	
n-Propylbenzene	1	0		7.17	61.83	50			4.245	5.249	23.67	
Bromobenzene	1	0		7.13	53.92	50			1.600	1.726	7.83	
1.3.5-Trimethylbenzene	1	0		7.27	56.02	50			3.532	2.764	12.04	
Butyl methacrylate	1	0		7.29	42.82				0.897			
t-Butylbenzene	1	0		7.48	62.09	50			3.205	3.980	24.18	
1.2.4-Trimethylbenzene	1	0		7.51	60.88	50			2.859	3.480	21.76	
sec-Butylbenzene	1	0		7.62	60.73	50			4.031	5.262	21.47	
4-Isopropyltoluene	1	0		7.70	62.53	50			3.253	4.314	25.07	
n-Butylbenzene	1	0		7.96	65.92	50			3.334	4.395	31.84	
p-Diethylbenzene	1	0		7.94	56.07				1.781			
1.2.4.5-Tetramethylbenzene	1	0		8.44	47.77				2.358			
1.2-Dibromo-3-Chloropropane	1	0		8.49	51.99	50			0.061	0.070	3.98	
Camphor	1	0		8.97	397.43	500			0.025	0.021	20.51	
Hexachlorobutadiene	1	0		9.14	61.53	50			0.996	1.225	23.05	
1.2.4-Trichlorobenzene	1	0		9.04	53.06	50			1.082	1.148	6.12	
1.2.3-Trichlorobenzene	1	0		9.36	48.44	50			0.887	0.859	3.12	
Naphthalene	1	0		9.20	32.96	50			1.045	0.711	34.08	
1.2-Dioxane	1	100		0.00	0.00	5000				0.000	100.00	
Freon 113	1	100		0.00	0.00	50				0.000	100.00	
tert-Amyl methyl ether	1	100		0.00	0.00	50				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB **Data File:** 1M80161.D **Instrument:** GCMS 1

Cont Calibration Date/Time 3/12/2012 6:12:00 A Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.48	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.29	60.67				0.723			
Dichlorodifluoromethane	1	0		1.28	42.23	50			0.434	0.365	15.54	
Chloromethane	1	0	CP	1.41	56.42	50	0.1		0.196	0.238	12.83	
Bromomethane	1	0		1.71	61.02	50			0.258	0.288	22.03	
Vinyl Chloride	1	0	CC	1.48	59.17	50	20		0.209	0.245	18.35	
Chloroethane	1	0		1.78	57.57	50			0.196	0.226	15.14	
Trichlorofluoromethane	1	0		1.98	57.51	50			0.501	0.573	15.02	
Ethyl ether	1	0		2.17	46.69	50			0.116	0.108	6.61	
Furan	1	0		2.20	51.22	50			0.626	0.641	2.43	
1.1.2-Trichloro-1.2.2-trifluoroetha	1	0		2.35	53.78	50			0.340	0.381	7.56	
Methylene Chloride	1	0		2.67	55.51	50			0.247	0.241	11.02	
Acrolein	1	0		2.24	326.31	250			0.011	0.014	30.52	
Acrylonitrile	1	0		2.84	55.57	50			0.022	0.028	11.14	
Iodomethane	1	0		2.45	59.89	50			0.457	0.547	19.78	
Acetone	1	0		2.35	377.70	250			0.025	0.027	51.08	
Carbon Disulfide	1	0		2.51	60.15	50			0.772	0.980	20.30	
t-Butyl Alcohol	1	0		2.72	378.92	250			0.005	0.007	51.57	
n-Hexane	1	0		3.11	58.81	50			0.432	0.499	17.62	
Di-isopropyl-ether	1	0		3.26	53.70	50			0.737	0.792	7.39	
1.1-Dichloroethene	1	0	CC	2.34	57.73	50	20		0.445	0.513	15.46	
Methyl Acetate	1	0		2.59	67.41	50			0.077	0.074	34.83	
Methyl-t-butyl ether	1	0		2.89	52.91	50			0.311	0.329	5.82	
1.1-Dichloroethane	1	0	CP	3.21	54.97	50	0.1		0.464	0.510	9.95	
trans-1.2-Dichloroethene	1	0		2.90	55.46	50			0.286	0.318	10.92	
cis-1.2-Dichloroethene	1	0		3.68	54.40	50			0.445	0.485	8.80	
Bromochloromethane	1	0		3.86	60.71	50			0.194	0.228	21.43	
2.2-Dichloropropane	1	0		3.69	62.97	50			0.368	0.464	25.94	
Ethyl acetate	1	0		3.71	56.71				0.096			
1.4-Dioxane	1	0		4.92	2793.16	2500			0.001	0.001	11.73	
1.1-Dichloropropene	1	0		4.18	52.31	50			0.445	0.513	4.61	
Chloroform	1	0	CC	3.91	53.42	50	20		0.447	0.477	6.83	
Dibromofluoromethane	1	0	S	4.03	31.92	75			0.220	0.234	6.40	
Cyclohexane	1	0		4.12	62.85	50			0.523	0.640	25.70	
1.2-Dichloroethane-d4	1	0	S	4.27	29.40	75			0.080	0.079	2.00	
1.2-Dichloroethane	1	0		4.31	62.71	50			0.241	0.264	25.41	
2-Butanone	1	0		3.68	45.57	50			0.044	0.040	8.86	
1.1.1-Trichloroethane	1	0		4.07	58.33	50			0.512	0.597	16.66	
Carbon Tetrachloride	1	0		4.19	64.87	50			0.443	0.575	29.75	
Vinyl Acetate	1	0		3.26	55.21	50			0.546	0.603	10.42	
Bromodichloromethane	1	0		5.00	60.08	50			0.295	0.354	20.15	
Methylcyclohexane	1	0		4.85	68.12	50			0.533	0.693	36.25	
Dibromomethane	1	0		4.92	68.71	50			0.169	0.191	37.42	
1.2-Dichloropropane	1	0	CC	4.85	52.19	50	20		0.268	0.280	4.38	
Trichloroethene	1	0		4.72	58.28	50			0.440	0.513	16.55	
Benzene	1	0		4.32	51.34	50			1.141	1.171	2.68	
Chlorobenzene-d5	1	0	I	6.31	30.00	30				0.000	0.00	
Iso-propylacetate	1	0		4.33	52.24				0.268			
Methyl methacrylate	1	0		4.90	50.89				0.148			
Dibromochloromethane	1	0		5.96	58.38	50			0.277	0.323	16.76	
2-Chloroethylvinylether	1	0		5.17	52.76	50			0.038	0.040	5.52	
cis-1.3-Dichloropropene	1	0		5.28	57.69	50			0.408	0.470	15.38	
trans-1.3-Dichloropropene	1	0		5.60	53.78	50			0.301	0.324	7.56	
Ethyl methacrylate	1	0		5.64	61.13				0.179			
1.1.2-Trichloroethane	1	0		5.71	58.12	50			0.197	0.214	16.24	
1.2-Dibromoethane	1	0		6.04	52.12	50			0.185	0.193	4.23	
1.3-Dichloropropane	1	0		5.82	52.03	50			0.312	0.324	4.05	
4-Methyl-2-Pentanone	1	0		5.36	55.11	50			0.141	0.155	10.21	
2-Hexanone	1	0		5.84	61.15	50			0.090	0.110	22.31	
Tetrachloroethene	1	0		5.83	54.51	50			0.663	0.705	9.02	
Toluene-d8	1	0	S	5.45	29.37	75			1.352	1.324	2.11	
Toluene	1	0	CC	5.49	50.25	50	20		1.100	1.106	0.51	
1.1.1.2-Tetrachloroethane	1	0		6.37	56.25	50			0.359	0.404	12.50	
Chlorobenzene	1	0	CP	6.33	62.08	50	0.3		1.148	1.254	24.16	
1.4-Dichlorobenzene-d4	1	0	I	7.73	30.00	30				0.000	0.00	
n-Butyl acrylate	1	0		6.63	49.92				0.536			
n-Amyl acetate	1	0		6.75	50.02				0.546			
Bromoform	1	0	CP	6.82	58.19	50	0.1		0.289	0.336	16.38	
Ethylbenzene	1	0	CC	6.39	41.33	50	20		0.919	0.760	17.35	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB **Data File:** 1M80161.D **Instrument:** GCMS 1

Cont Calibration Date/Time 3/12/2012 6:12:00 A Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1.1.2.2-Tetrachloroethane	1	0	CP	7.07	56.24	50	0.3		0.333	0.374	12.48	
Bromofluorobenzene	1	0	S	7.01	30.50	75			0.874	0.888	1.68	
Styrene	1	0		6.70	53.39	50			1.747	1.865	6.78	
m&p-Xylenes	1	0		6.45	97.38	100			1.390	1.353	2.62	
o-Xylene	1	0		6.70	45.58	50			1.338	1.220	8.84	
trans-1.4-Dichloro-2-butene	1	0		7.10	57.28	50			0.267	0.298	14.56	
1.3-Dichlorobenzene	1	0		7.69	50.63	50			1.878	1.902	1.26	
1.4-Dichlorobenzene	1	0		7.75	44.71	50			1.771	1.583	10.59	
1.2-Dichlorobenzene	1	0		7.98	46.15	50			1.447	1.335	7.70	
Isopropylbenzene	1	0		6.91	51.32	50			3.938	4.042	2.64	
Cyclohexanone	1	0		6.97	543.97				0.013			
Camphene	1	0		7.10	42.33	50			1.537	1.691	15.35	
1.2.3-Trichloropropane	1	0		7.11	51.14	50			0.423	0.432	2.28	
2-Chlorotoluene	1	0		7.23	69.15	50			1.819	2.213	38.31	
p-Ethyltoluene	1	0		7.23	58.02				4.244			
4-Chlorotoluene	1	0		7.29	47.08	50			1.778	1.674	5.83	
n-Propylbenzene	1	0		7.16	55.16	50			4.245	4.683	10.33	
Bromobenzene	1	0		7.12	53.36	50			1.600	1.708	6.72	
1.3.5-Trimethylbenzene	1	0		7.26	52.34	50			3.532	2.583	4.68	
Butyl methacrylate	1	0		7.27	47.78				0.897			
t-Butylbenzene	1	0		7.47	53.12	50			3.205	3.405	6.24	
1.2.4-Trimethylbenzene	1	0		7.49	52.42	50			2.859	2.997	4.84	
sec-Butylbenzene	1	0		7.60	49.81	50			4.031	4.342	0.37	
4-Isopropyltoluene	1	0		7.68	55.64	50			3.253	3.839	11.28	
n-Butylbenzene	1	0		7.95	59.58	50			3.334	3.972	19.16	
p-Diethylbenzene	1	0		7.93	48.96				1.781			
1.2.4.5-Tetramethylbenzene	1	0		8.43	43.82				2.358			
1.2-Dibromo-3-Chloropropane	1	0		8.47	48.75	50			0.061	0.066	2.51	
Camphor	1	0		8.95	351.89	500			0.025	0.019	29.62	
Hexachlorobutadiene	1	0		9.12	52.82	50			0.996	1.052	5.65	
1.2.4-Trichlorobenzene	1	0		9.02	44.71	50			1.082	0.967	10.59	
1.2.3-Trichlorobenzene	1	0		9.34	43.86	50			0.887	0.778	12.28	
Naphthalene	1	0		9.19	27.73	50			1.045	0.611	44.54	
Freon 113	1	100		0.00	0.00	50				0.000	100.00	
tert-Amyl methyl ether	1	100		0.00	0.00	50				0.000	100.00	
1.2-Dioxane	1	100		0.00	0.00	5000				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 6M80282.D **Instrument:** GCMS 6

Cont Calibration Date/Time 3/12/2012 6:50:00 A Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.53	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.36	17.21				0.786			
Dichlorodifluoromethane	1	0		1.36	18.41	20			0.770	0.708	7.96	
Chloromethane	1	0	CP	1.49	17.91	20	0.1		0.415	0.371	10.47	
Bromomethane	1	0		1.82	20.36	20			0.398	0.405	1.78	
Vinyl Chloride	1	0	CC	1.57	20.50	20	20		0.535	0.548	2.48	
Chloroethane	1	0		1.89	19.85	20			0.316	0.314	0.75	
Trichlorofluoromethane	1	0		2.09	22.65	20			0.795	0.901	13.26	
Ethyl ether	1	0		2.30	23.21	20			0.458	0.532	16.03	
Furan	1	0		2.32	22.87	20			1.010	1.155	14.34	
1.1.2-Trichloro-1.2.2-trifluoroetha	1	0		2.47	22.00	20			0.587	0.646	10.01	
Methylene Chloride	1	0		2.82	22.23	20			0.562	0.625	11.15	
Acrolein	1	0		2.38	114.73	100			0.064	0.074	14.73	
Acrylonitrile	1	0		3.00	22.71	20			0.123	0.145	13.55	
Iodomethane	1	0		2.59	21.33	20			0.905	0.965	6.63	
Acetone	1	0		2.50	111.82	100			0.119	0.133	11.82	
Carbon Disulfide	1	0		2.65	20.37	20			1.473	1.500	1.83	
t-Butyl Alcohol	1	0		2.89	108.52	100			0.039	0.043	8.52	
n-Hexane	1	0		3.26	21.43	20			0.473	0.507	7.16	
Di-isopropyl-ether	1	0		3.42	24.73	20			1.665	2.059	23.67	
1.1-Dichloroethene	1	0	CC	2.47	21.46	20	20		0.788	0.846	7.28	
Methyl Acetate	1	0		2.74	23.10	20			0.336	0.388	15.49	
Methyl-t-butyl ether	1	0		3.04	24.09	20			1.441	1.736	20.45	
1.1-Dichloroethane	1	0	CP	3.36	22.58	20	0.1		0.907	1.024	12.90	
trans-1.2-Dichloroethene	1	0		3.04	21.56	20			0.518	0.559	7.80	
cis-1.2-Dichloroethene	1	0		3.81	22.64	20			0.891	1.008	13.21	
Bromochloromethane	1	0		3.98	23.56	20			0.413	0.487	17.79	
2.2-Dichloropropane	1	0		3.82	24.34	20			0.867	1.056	21.71	
Ethyl acetate	1	0		3.86	23.94				0.460			
1.4-Dioxane	1	0		4.91	1192.33	1000			0.003	0.003	19.23	
1.1-Dichloropropene	1	0		4.26	21.34	20			0.761	0.812	6.72	
Chloroform	1	0	CC	4.03	23.28	20	20		1.144	1.332	16.40	
Dibromofluoromethane	1	0	S	4.13	32.36	30			0.391	0.421	7.86	
Cyclohexane	1	0		4.21	22.42	20			0.688	0.772	12.12	
1.2-Dichloroethane-d4	1	0	S	4.34	34.05	30			0.196	0.223	13.49	
1.2-Dichloroethane	1	0		4.38	25.05	20			0.890	1.115	25.26	
2-Butanone	1	0		3.82	24.44	20			0.174	0.213	22.22	
1.1.1-Trichloroethane	1	0		4.16	22.53	20			1.108	1.248	12.63	
Carbon Tetrachloride	1	0		4.27	23.68	20			0.951	1.126	18.41	
Vinyl Acetate	1	0		3.39	22.87	20			1.045	1.195	14.36	
Bromodichloromethane	1	0		4.98	23.96	20			0.864	1.035	19.81	
Methylcyclohexane	1	0		4.85	20.11	20			0.533	0.536	0.56	
Dibromomethane	1	0		4.90	23.66	20			0.466	0.552	18.28	
1.2-Dichloropropane	1	0	CC	4.84	23.57	20	20		0.484	0.571	17.87	
Trichloroethene	1	0		4.73	21.64	20			0.633	0.685	8.19	
Benzene	1	0		4.39	22.90	20			1.830	2.096	14.51	
tert-Amyl methyl ether	1	0		4.45	23.34	20			1.444	1.685	16.69	
Chlorobenzene-d5	1	0	I	6.09	30.00	30				0.000	0.00	
Iso-propylacetate	1	0		4.40	23.99				1.038			
Methyl methacrylate	1	0		4.89	24.04				0.484			
Dibromochloromethane	1	0		5.79	23.38	20			0.739	0.865	16.91	
2-Chloroethylvinylether	1	0		5.12	17.70	20			0.339	0.374	11.52	
cis-1.3-Dichloropropene	1	0		5.20	23.00	20			0.999	1.149	15.02	
trans-1.3-Dichloropropene	1	0		5.48	19.00	20			0.899	1.021	4.99	
Ethyl methacrylate	1	0		5.52	23.90				0.501			
1.1.2-Trichloroethane	1	0		5.58	22.05	20			0.497	0.549	10.26	
1.2-Dibromoethane	1	0		5.85	21.55	20			0.543	0.585	7.73	
1.3-Dichloropropane	1	0		5.67	23.20	20			0.808	0.937	15.98	
4-Methyl-2-Pentanone	1	0		5.28	23.88	20			0.500	0.596	19.40	
2-Hexanone	1	0		5.69	24.72	20			0.314	0.388	23.60	
Tetrachloroethene	1	0		5.67	20.91	20			0.592	0.619	4.53	
Toluene-d8	1	0	S	5.35	28.19	30			1.261	1.185	6.05	
Toluene	1	0	CC	5.39	19.94	20	20		1.325	1.321	0.31	
1.1.1.2-Tetrachloroethane	1	0		6.14	23.85	20			0.613	0.731	19.27	
Chlorobenzene	1	0	CP	6.11	20.89	20	0.3		1.423	1.486	4.45	
1.4-Dichlorobenzene-d4	1	0	I	7.32	30.00	30				0.000	0.00	
n-Butyl acrylate	1	0		6.36	22.13				1.638			
n-Amyl acetate	1	0		6.47	24.25				1.463			
Bromoform	1	0	CP	6.53	21.26	20	0.1		0.975	1.037	6.32	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 6M80282.D **Instrument:** GCMS 6

Cont Calibration Date/Time 3/12/2012 6:50:00 A Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Ethylbenzene	1	0	CC	6.16	20.90	20	20		1.333	1.393	4.49	
1,1,2,2-Tetrachloroethane	1	0	CP	6.74	21.11	20	0.3		0.945	0.998	5.57	
Bromofluorobenzene	1	0	S	6.70	30.00	30			1.035	1.035	0.01	
Styrene	1	0		6.42	20.92	20			2.542	2.659	4.60	
m&p-Xylenes	1	0		6.21	40.48	40			1.518	1.536	1.19	
o-Xylene	1	0		6.42	20.69	20			1.498	1.550	3.46	
trans-1,4-Dichloro-2-butene	1	0		6.77	25.35	20			0.439	0.492	26.77	
1,3-Dichlorobenzene	1	0		7.29	21.01	20			1.737	1.825	5.07	
1,4-Dichlorobenzene	1	0		7.33	20.25	20			1.854	1.877	1.25	
1,2-Dichlorobenzene	1	0		7.54	20.38	20			1.593	1.624	1.91	
Isopropylbenzene	1	0		6.61	20.40	20			4.062	4.144	2.01	
Cyclohexanone	1	0		6.66	121.08				0.041			
Camphene	1	0		6.77	18.72	20			1.212	1.134	6.40	
1,2,3-Trichloropropane	1	0		6.77	23.02	20			1.182	1.360	15.08	
2-Chlorotoluene	1	0		6.88	22.18	20			3.092	3.428	10.89	
p-Ethyltoluene	1	0		6.88	26.84				3.735			
4-Chlorotoluene	1	0		6.94	27.74	20			2.810	3.086	38.68	
n-Propylbenzene	1	0		6.82	20.72	20			4.188	4.339	3.59	
Bromobenzene	1	0		6.79	21.90	20			2.344	2.566	9.49	
1,3,5-Trimethylbenzene	1	0		6.91	22.29	20			2.825	3.148	11.43	
Butyl methacrylate	1	0		6.93	24.67				1.145			
t-Butylbenzene	1	0		7.09	19.84	20			2.650	2.629	0.80	
1,2,4-Trimethylbenzene	1	0		7.12	21.22	20			2.844	3.018	6.11	
sec-Butylbenzene	1	0		7.21	19.37	20			3.008	2.913	3.17	
4-Isopropyltoluene	1	0		7.29	20.27	20			2.403	2.436	1.37	
n-Butylbenzene	1	0		7.51	20.14	20			2.431	2.448	0.72	
p-Diethylbenzene	1	0		7.50	19.21				1.241			
1,2,4,5-Tetramethylbenzene	1	0		7.94	17.93				2.055			
1,2-Dibromo-3-Chloropropane	1	0		7.98	14.05	20			0.155	0.152	29.77	
Camphor	1	0		8.40	150.52	200			0.053	0.052	24.74	
Hexachlorobutadiene	1	0		8.55	19.39	20			0.463	0.433	3.05	
1,2,4-Trichlorobenzene	1	0		8.46	21.04	20			0.937	0.986	5.21	
1,2,3-Trichlorobenzene	1	0		8.75	19.41	20			0.867	0.841	2.97	
Naphthalene	1	0		8.60	16.49	20			1.882	1.665	17.57	
Freon 113	1	100		0.00	0.00	20				0.000	100.00	
1,2-Dioxane	1	100		0.00	0.00	2000				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 6M80324.D **Instrument:** GCMS 6

Cont Calibration Date/Time 3/13/2012 7:35:00 A Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.54	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.36	13.91				0.786			
Dichlorodifluoromethane	1	0		1.36	19.47	20			0.770	0.749	2.65	
Chloromethane	1	0	CP	1.49	18.26	20	0.1		0.415	0.379	8.68	
Bromomethane	1	0		1.83	18.56	20			0.398	0.369	7.20	
Vinyl Chloride	1	0	CC	1.58	20.30	20	20		0.535	0.543	1.50	
Chloroethane	1	0		1.90	19.01	20			0.316	0.300	4.97	
Trichlorofluoromethane	1	0		2.10	24.57	20			0.795	0.977	22.85	
Ethyl ether	1	0		2.31	16.84	20			0.458	0.386	15.78	
Furan	1	0		2.33	18.66	20			1.010	0.942	6.72	
1.1.2-Trichloro-1.2.2-trifluoroetha	1	0		2.48	22.79	20			0.587	0.669	13.93	
Methylene Chloride	1	0		2.83	18.31	20			0.562	0.514	8.47	
Acrolein	1	0		2.39	97.57	100			0.064	0.063	2.43	
Acrylonitrile	1	0		3.01	17.66	20			0.123	0.113	11.69	
Iodomethane	1	0		2.59	17.99	20			0.905	0.814	10.06	
Acetone	1	0		2.50	98.39	100			0.119	0.117	1.61	
Carbon Disulfide	1	0		2.66	21.34	20			1.473	1.572	6.72	
t-Butyl Alcohol	1	0		2.90	77.28	100			0.039	0.030	22.72	
n-Hexane	1	0		3.27	20.99	20			0.473	0.496	4.96	
Di-isopropyl-ether	1	0		3.43	21.93	20			1.665	1.826	9.67	
1.1-Dichloroethene	1	0	CC	2.48	20.39	20	20		0.788	0.804	1.95	
Methyl Acetate	1	0		2.76	26.22	20			0.336	0.440	31.11	
Methyl-t-butyl ether	1	0		3.06	20.38	20			1.441	1.468	1.91	
1.1-Dichloroethane	1	0	CP	3.37	20.92	20	0.1		0.907	0.949	4.59	
trans-1.2-Dichloroethene	1	0		3.05	20.87	20			0.518	0.541	4.36	
cis-1.2-Dichloroethene	1	0		3.82	21.05	20			0.891	0.937	5.26	
Bromochloromethane	1	0		3.98	22.42	20			0.413	0.463	12.10	
2.2-Dichloropropane	1	0		3.83	23.41	20			0.867	1.015	17.07	
Ethyl acetate	1	0		3.87	20.91				0.460			
1.4-Dioxane	1	0		4.91	955.08	1000			0.003	0.002	4.49	
1.1-Dichloropropene	1	0		4.27	22.47	20			0.761	0.855	12.35	
Chloroform	1	0	CC	4.03	21.49	20	20		1.144	1.230	7.44	
Dibromofluoromethane	1	0	S	4.13	32.83	30			0.391	0.427	9.44	
Cyclohexane	1	0		4.22	22.90	20			0.688	0.788	14.50	
1.2-Dichloroethane-d4	1	0	S	4.34	31.20	30			0.196	0.204	4.00	
1.2-Dichloroethane	1	0		4.39	20.33	20			0.890	0.905	1.63	
2-Butanone	1	0		3.83	20.92	20			0.174	0.182	4.61	
1.1.1-Trichloroethane	1	0		4.17	22.33	20			1.108	1.237	11.67	
Carbon Tetrachloride	1	0		4.28	23.07	20			0.951	1.097	15.34	
Vinyl Acetate	1	0		3.40	9.53	20			1.045	0.498	52.34	
Bromodichloromethane	1	0		4.99	19.80	20			0.864	0.856	0.98	
Methylcyclohexane	1	0		4.85	21.45	20			0.533	0.572	7.26	
Dibromomethane	1	0		4.91	19.22	20			0.466	0.448	3.89	
1.2-Dichloropropane	1	0	CC	4.85	21.45	20	20		0.484	0.519	7.27	
Trichloroethene	1	0		4.74	19.69	20			0.633	0.623	1.54	
Benzene	1	0		4.39	20.98	20			1.830	1.920	4.90	
tert-Amyl methyl ether	1	0		4.45	18.79	20			1.444	1.357	6.04	
Chlorobenzene-d5	1	0	I	6.09	30.00	30				0.000	0.00	
Iso-propylacetate	1	0		4.41	18.16				1.038			
Methyl methacrylate	1	0		4.90	18.56				0.484			
Dibromochloromethane	1	0		5.79	17.97	20			0.739	0.665	10.13	
2-Chloroethylvinylether	1	0		5.13	12.26	20			0.339	0.259	38.69	
cis-1.3-Dichloropropene	1	0		5.22	17.46	20			0.999	0.872	12.70	
trans-1.3-Dichloropropene	1	0		5.49	14.90	20			0.899	0.801	25.48	
Ethyl methacrylate	1	0		5.52	19.28				0.501			
1.1.2-Trichloroethane	1	0		5.58	17.20	20			0.497	0.428	13.99	
1.2-Dibromoethane	1	0		5.87	17.83	20			0.543	0.484	10.86	
1.3-Dichloropropane	1	0		5.67	18.50	20			0.808	0.748	7.49	
4-Methyl-2-Pentanone	1	0		5.28	16.53	20			0.500	0.413	17.34	
2-Hexanone	1	0		5.70	17.03	20			0.314	0.267	14.84	
Tetrachloroethene	1	0		5.69	18.92	20			0.592	0.560	5.39	
Toluene-d8	1	0	S	5.36	28.23	30			1.261	1.187	5.89	
Toluene	1	0	CC	5.40	17.70	20	20		1.325	1.173	11.48	
1.1.1.2-Tetrachloroethane	1	0		6.15	19.53	20			0.613	0.599	2.35	
Chlorobenzene	1	0	CP	6.11	17.66	20	0.3		1.423	1.257	11.68	
1.4-Dichlorobenzene-d4	1	0	I	7.33	30.00	30				0.000	0.00	
n-Butyl acrylate	1	0		6.36	17.12				1.638			
n-Amyl acetate	1	0		6.48	18.22				1.463			
Bromoform	1	0	CP	6.53	15.86	20	0.1		0.975	0.773	20.71	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound 1 - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 6M80324.D **Instrument:** GCMS 6

Cont Calibration Date/Time 3/13/2012 7:35:00 A Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Ethylbenzene	1	0	CC	6.16	21.55	20	20		1.333	1.436	7.76	
1.1.2.2-Tetrachloroethane	1	0	CP	6.75	19.35	20	0.3		0.945	0.914	3.25	
Bromofluorobenzene	1	0	S	6.70	30.33	30			1.035	1.047	1.09	
Styrene	1	0		6.43	17.69	20			2.542	2.249	11.53	
m&p-Xylenes	1	0		6.22	37.22	40			1.518	1.412	6.95	
o-Xylene	1	0		6.43	18.32	20			1.498	1.372	8.40	
trans-1.4-Dichloro-2-butene	1	0		6.78	22.29	20			0.439	0.433	11.44	
1.3-Dichlorobenzene	1	0		7.30	18.48	20			1.737	1.604	7.61	
1.4-Dichlorobenzene	1	0		7.35	17.10	20			1.854	1.585	14.52	
1.2-Dichlorobenzene	1	0		7.56	17.31	20			1.593	1.379	13.43	
Isopropylbenzene	1	0		6.61	18.52	20			4.062	3.761	7.40	
Cyclohexanone	1	0		6.67	97.91				0.041			
Camphene	1	0		6.77	18.22	20			1.212	1.104	8.90	
1.2.3-Trichloropropane	1	0		6.79	18.01	20			1.182	1.064	9.97	
2-Chlorotoluene	1	0		6.89	20.38	20			3.092	3.150	1.88	
p-Ethyltoluene	1	0		6.89	23.07				3.735			
4-Chlorotoluene	1	0		6.94	23.00	20			2.810	2.560	15.02	
n-Propylbenzene	1	0		6.83	19.21	20			4.188	4.022	3.96	
Bromobenzene	1	0		6.79	17.74	20			2.344	2.079	11.28	
1.3.5-Trimethylbenzene	1	0		6.92	19.72	20			2.825	2.786	1.41	
Butyl methacrylate	1	0		6.93	20.20				1.145			
t-Butylbenzene	1	0		7.10	18.18	20			2.650	2.409	9.10	
1.2.4-Trimethylbenzene	1	0		7.12	19.27	20			2.844	2.739	3.67	
sec-Butylbenzene	1	0		7.22	18.22	20			3.008	2.741	8.89	
4-Isopropyltoluene	1	0		7.29	18.99	20			2.403	2.281	5.06	
n-Butylbenzene	1	0		7.52	18.69	20			2.431	2.271	6.57	
p-Diethylbenzene	1	0		7.50	17.28				1.241			
1.2.4.5-Tetramethylbenzene	1	0		7.95	15.55				2.055			
1.2-Dibromo-3-Chloropropane	1	0		7.98	9.68	20			0.155	0.105	51.58	
Camphor	1	0		8.40	106.01	200			0.053	0.036	47.00	
Hexachlorobutadiene	1	0		8.56	17.38	20			0.463	0.388	13.09	
1.2.4-Trichlorobenzene	1	0		8.46	17.29	20			0.937	0.810	13.57	
1.2.3-Trichlorobenzene	1	0		8.75	16.34	20			0.867	0.708	18.31	
Naphthalene	1	0		8.62	12.78	20			1.882	1.291	36.08	
1.2-Dioxane	1	100		0.00	0.00	2000				0.000	100.00	
Freon 113	1	100		0.00	0.00	20				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

FORM8

Internal Standard Areas

Evaluation Std Data File: 1M79917.D Method: EPA 8260B

Analysis Date/Time: 03/06/12 12:44

Lab File ID: CAL @ 50 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	170209	4.48	146390	6.30	79141	7.73						
Eval File Area Limit:	85104-340418		73195-292780		39570-158282							
Eval File Rt Limit:	3.98-4.98		5.8-6.8		7.23-8.23							

Data File	Sample						
1M79901.D	BLK	127833	4.47	87301	6.30	46262	7.73
1M79902.D	0.5 PPB	88323	4.48	71188 A	6.31	38750 A	7.72
1M79903.D	CAL @ 1 PPB	104340	4.48	76544	6.31	45923	7.73
1M79904.D	2 PPB	105961	4.48	83221	6.30	44029	7.73
1M79905.D	CAL @ 5 PPB	113495	4.48	76374	6.31	43305	7.72
1M79906.D	1 PPB	108929	4.48	81435	6.30	46684	7.72
1M79907.D	2 PPB	124398	4.48	89917	6.31	48397	7.72
1M79908.D	2 PPB	126266	4.48	96900	6.31	55823	7.72
1M79910.D	BLK	155139	4.48	125637	6.31	81471	7.73
1M79911.D	CAL @ 2 PPB	176870	4.48	136209	6.31	77758	7.73
1M79913.D	50 PPB	196876	4.48	150328	6.31	91060	7.73
1M79914.D	CAL @ 500 P	193755	4.48	143008	6.30	80286	7.73
1M79915.D	CAL @ 250 P	193931	4.48	152644	6.30	75177	7.72
1M79916.D	CAL @ 100 P	163850	4.48	127782	6.31	74798	7.73
1M79917.D	CAL @ 50 PP	170209	4.48	146390	6.30	79141	7.73
1M79918.D	CAL @ 20 PP	177200	4.48	138638	6.30	79901	7.72
1M79919.D	BLK	178468	4.48	142324	6.30	79446	7.73
1M79920.D	STD	190035	4.48	138282	6.31	77794	7.72
1M79922.D	BLK	175228	4.48	129906	6.31	72940	7.73
1M79923.D	BLK	191435	4.48	151288	6.31	81353	7.73
1M79926.D	CAL @ 0.5 PF	164581	4.48	129355	6.31	71756	7.72
1M79927.D	50 PPB	173221	4.48	136014	6.31	82377	7.73
1M79928.D	ICV	177613	4.48	136854	6.30	77222	7.72
1M79929.D	50 PPB	170737	4.48	140722	6.31	74728	7.73
1M79930.D	BLK	175551	4.48	137228	6.31	75894	7.73
1M79931.D	BLK	195139	4.48	143903	6.31	79922	7.73
1M79932.D	DAILY BLANK	164209	4.48	140486	6.31	72165	7.73
1M79933.D	MBS16832	166009	4.48	147096	6.30	78782	7.72
1M79934.D	MBS16833	180502	4.48	125791	6.30	74912	7.73
1M79935.D	BLK	238861	4.48	102579	6.31	69104	7.73
1M79936.D	AC64504-001	172249	4.48	128882	6.31	72516	7.73
1M79937.D	AC64504-002	215918	4.48	101759	6.31	63695	7.73
1M79938.D	AC64504-003	116664	4.48	49500 A	6.31	25275 A	7.73
1M79939.D	AC64504-004	0 A	0.00 R	0 A	0.00 R	0 A	0.00 R
1M79940.D	AC64504-005	244591	4.47	105118	6.30	63982	7.72
1M79941.D	AC64504-006	307441	4.48	131983	6.30	73767	7.72
1M79942.D	AC64504-007	185309	4.48	138781	6.30	80686	7.73
1M79943.D	AC64504-008	158626	4.47	121037	6.30	71417	7.72
1M79944.D	AC64504-009	0 A	0.00 R	0 A	0.00 R	0 A	0.00 R
1M79945.D	BLK	168121	4.48	122050	6.30	73252	7.72
1M79946.D	BLK	140594	4.48	118443	6.30	62656	7.72
1M79947.D	BLK	316964	4.48	138233	6.30	72156	7.73
1M79948.D	BLK	158960	4.48	113730	6.30	68595	7.72
1M79949.D	BLK	261024	4.48	113174	6.31	69793	7.72
1M79950.D	BLK	172426	4.48	138340	6.30	79420	7.72
1M79951.D	BLK	180469	4.48	148410	6.30	78800	7.72
1M79952.D	BLK	184425	4.48	147914	6.31	84354	7.72

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1.4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 6M80100.D Method: EPA 8260B

Analysis Date/Time: 03/07/12 15:22

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	134734	4.53	116456	6.09	52264	7.32						
Eval File Area Limit:	67367-269468		58228-232912		26132-104528							
Eval File Rt Limit:	4.03-5.03		5.59-6.59		6.82-7.82							

Data File	Sample												
6M80092.D	BLK	106833	4.53	94670	6.09	40069	7.32						
6M80094.D	CAL @ 0.5 PF	118112	4.53	98236	6.09	40283	7.32						
6M80095.D	CAL @ 5 PPB	111196	4.53	93520	6.09	42871	7.32						
6M80096.D	CAL @ 500 P	101779	4.53	61870	6.09	38443	7.32						
6M80097.D	CAL @ 250 P	126749	4.53	94282	6.09	44307	7.32						
6M80098.D	CAL @ 100 P	137866	4.53	121127	6.09	54930	7.32						
6M80099.D	CAL @ 50 PP	130651	4.54	111548	6.09	51435	7.33						
6M80100.D	CAL @ 20 PP	134734	4.53	116456	6.09	52264	7.32						
6M80101.D	CAL @ 10 PP	119725	4.54	103480	6.09	45914	7.32						
6M80103.D	CAL @ 1 PPB	117641	4.53	103270	6.09	45798	7.32						
6M80104.D	ICV	126316	4.53	110478	6.09	50185	7.32						
6M80105.D	BLK	103992	4.54	84430	6.10	37876	7.33						
6M80106.D	DAILY BLANK	102163	4.53	86161	6.09	37201	7.32						
6M80107.D	MBS16845	124986	4.53	105417	6.09	47851	7.32						
6M80108.D	MBS16849	113601	4.53	102187	6.09	47529	7.32						
6M80109.D	BLK	110656	4.53	102070	6.09	43662	7.32						
6M80114.D	BK	122896	4.54	109921	6.09	48168	7.32						

I1 = Fluorobenzene
I2 = Chlorobenzene-d5
I3 = 1,4-Dichlorobenzene-d4
I4 =
I5 =
I6 =

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
624/8260 Internal Standard concentration = 30ug/L
524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 1M80111.D Method: EPA 8260B

Analysis Date/Time: 03/09/12 14:15

Lab File ID: CAL @ 50 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	162580	4.50	119539	6.32	63262	7.74						
Eval File Area Limit:	81290-325160		59770-239078		31631-126524							
Eval File Rt Limit:	4-5		5.82-6.82		7.24-8.24							

Data File	Sample						
1M80107.D	BLK	445047	4.49	388712	6.32	193055	7.74
1M80108.D	BLK	484235	4.49	358267	6.32	195564	7.74
1M80109.D	50 PPB	419046	4.49	308573	6.32	204828	7.74
1M80110.D	BLK	147989	4.50	114880	6.32	60818	7.74
1M80112.D	BLK	149665	4.49	119399	6.32	67212	7.75
1M80113.D	BLK	157125	4.50	125442	6.33	71412	7.75
1M80114.D	DAILY BLANK	154826	4.49	120651	6.32	63464	7.74
1M80115.D	AC64632-002	154115	4.49	118655	6.32	59688	7.74
1M80116.D	MBS16873	162807	4.49	125629	6.32	62550	7.74
1M80117.D	BLK	154970	4.50	122464	6.32	60734	7.75
1M80118.D	AC64549-002	144234	4.50	114873	6.32	62610	7.75
1M80119.D	AC64566-001	0 A	0.00 R	0 A	0.00 R	0 A	0.00 R
1M80120.D	AC64566-002	109158	4.49	87677	6.32	53894	7.74
1M80121.D	AC64566-004	135463	4.49	105095	6.32	57239	7.74
1M80122.D	AC64596-001	128466	4.49	99989	6.32	49211	7.74
1M80123.D	AC64596-002	0 A	0.00 R	0 A	0.00 R	0 A	0.00 R
1M80124.D	AC64596-003	0 A	0.00 R	0 A	0.00 R	0 A	0.00 R
1M80125.D	BLK	156317	4.49	117752	6.32	63115	7.74
1M80126.D	AC64596-004	144887	4.49	113499	6.32	57941	7.74
1M80127.D	MBS16875	156255	4.49	121587	6.32	68152	7.74
1M80128.D	AC64599-003	144552	4.49	107712	6.32	50070	7.74
1M80129.D	BLK	143650	4.49	114366	6.32	61921	7.74
1M80130.D	AC64566-001	136611	4.49	101734	6.32	52362	7.74
1M80131.D	AC64596-002	130863	4.49	102438	6.32	56459	7.74
1M80132.D	AC64596-003	137209	4.49	111482	6.32	60806	7.74
1M80133.D	AC64599-004	131902	4.49	102245	6.32	56392	7.74
1M80134.D	AC64599-007	124635	4.49	95652	6.32	54339	7.74
1M80135.D	AC64599-008	128936	4.49	101446	6.32	58314	7.74
1M80136.D	AC64566-003	96849	4.49	75966	6.32	41539	7.74
1M80137.D	AC64599-009	121520	4.49	91240	6.32	49430	7.74
1M80138.D	AC64599-001	139145	4.49	112265	6.32	56039	7.74
1M80139.D	AC64632-002(	138837	4.49	112230	6.32	62065	7.74
1M80140.D	AC64632-002(	139993	4.49	113219	6.32	55518	7.74
1M80141.D	BLK	134363	4.49	108194	6.32	63358	7.74
1M80142.D	AC64591-002	140025	4.49	108504	6.31	45364	7.73
1M80143.D	AC64591-004	139296	4.49	104673	6.31	54642	7.73
1M80144.D	AC64563-016	146796	4.48	112036	6.31	54745	7.73
1M80145.D	AC64563-014	146240	4.48	114208	6.31	60507	7.73
1M80146.D	AC64563-006	150445	4.49	115292	6.31	71061	7.74
1M80147.D	AC64593-001	135827	4.48	106978	6.31	60291	7.73
1M80148.D	AC64606-001	142662	4.49	114512	6.32	63487	7.74
1M80149.D	AC64606-002	142365	4.48	111864	6.31	58866	7.73
1M80150.D	STD	165750	4.49	132359	6.31	76243	7.73
1M80151.D	BLK	156422	4.49	127522	6.31	65573	7.73
1M80152.D	BLK	148042	4.48	118306	6.31	57845	7.73
1M80153.D	BLK	142077	4.48	111424	6.31	65772	7.73
1M80154.D	BLK	169264	4.49	135901	6.31	70950	7.73
1M80155.D	BLK	147833	4.49	113520	6.31	69233	7.73
1M80156.D	BLK	145474	4.48	117742	6.31	67060	7.73
1M80157.D	BLK	168577	4.48	131481	6.31	71708	7.73
1M80158.D	BLK	149165	4.48	122910	6.31	69919	7.73

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 6M80282.D Method: EPA 8260B

Analysis Date/Time: 03/12/12 06:50

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	85304	4.53	72016	6.09	34375	7.32						
Eval File Area Limit:	42652-170608		36008-144032		17188-68750							
Eval File Rt Limit:	4.03-5.03		5.59-6.59		6.82-7.82							
Data File Sample												
6M80279.D BLKJUG3	84704	4.54	76824	6.09	32490	7.32						
6M80280.D 20 PPB	88983	4.54	77457	6.09	35909	7.32						
6M80281.D BLK	88579	4.53	76604	6.09	33994	7.32						
6M80283.D BLK	81906	4.53	67929	6.09	30604	7.32						
6M80284.D DAILY BLANK	79314	4.54	67327	6.09	30615	7.32						
6M80285.D DAILY BLANK	72384	4.53	57593	6.09	33078	7.32						
6M80286.D MBS16893	73281	4.53	59058	6.09	32346	7.32						
6M80287.D MBS16894	77293	4.54	66606	6.09	34070	7.32						
6M80288.D BLK	76175	4.53	65824	6.09	30228	7.32						
6M80292.D BLK	70433	4.54	59443	6.10	26667	7.33						
6M80295.D AC64651-001	67264	4.53	49552	6.09	27037	7.32						
6M80296.D AC64651-002	71980	4.53	56417	6.09	34350	7.32						
6M80297.D AC64651-003	68395	4.53	60250	6.10	38440	7.32						
6M80298.D AC64651-004	89378	4.54	69952	6.09	45476	7.32						
6M80299.D AC64651-005	99032	4.53	75992	6.10	46513	7.32						
6M80300.D BLK	97967	4.54	84765	6.09	40113	7.32						
6M80301.D BLKJUG#1	90429	4.54	80672	6.09	35789	7.32						
6M80302.D AC64633-002	90793	4.54	78588	6.09	35561	7.33						
6M80303.D AC64633-008	81321	4.54	71589	6.10	32770	7.32						
6M80304.D AC64653-020	82636	4.54	70139	6.10	32914	7.32						
6M80305.D AC64635-011	81862	4.54	70108	6.09	32069	7.33						
6M80306.D AC64635-012	65026	4.54	57139	6.10	26034	7.32						
6M80307.D AC64635-013	74122	4.54	64946	6.10	27795	7.32						
6M80308.D AC64635-014	89348	4.54	78050	6.09	35392	7.33						
6M80309.D AC64633-005	75462	4.54	65817	6.10	30965	7.33						
6M80310.D AC64633-006	81609	4.54	71900	6.10	32843	7.32						
6M80311.D AC64633-007	72015	4.54	62580	6.09	28555	7.33						
6M80312.D AC64633-004	67993	4.54	59414	6.10	27334	7.33						
6M80313.D AC64633-003	75766	4.54	67349	6.09	28941	7.33						
6M80314.D AC64633-001	67157	4.54	61306	6.09	26717	7.33						
6M80315.D AC64633-009	67785	4.54	59454	6.10	27143	7.33						
6M80316.D AC64633-010	66044	4.54	57970	6.09	27022	7.33						
6M80317.D AC64578-001(	62796	4.54	53955	6.10	26651	7.33						
6M80318.D AC64578-001(	89664	4.54	79241	6.10	34650	7.34						
6M80319.D AC64651-006	81578	4.54	59107	6.10	32840	7.33						

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1.4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 1M80161.D Method: EPA 8260B

Analysis Date/Time: 03/12/12 06:12

Lab File ID: CAL @ 50 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	142646	4.48	118832	6.31	69953	7.73						
Eval File Area Limit:	71323-285292		59416-237664		34976-139906							
Eval File Rt Limit:	3.98-4.98		5.81-6.81		7.23-8.23							

Data File	Sample											
1M80160.D	BLK	153023	4.48	134080	6.31	77180	7.73					
1M80162.D	50 PPB	145047	4.49	126372	6.31	61912	7.74					
1M80163.D	BLK	151750	4.48	124915	6.31	71553	7.73					
1M80164.D	BLK	128954	4.48	106620	6.31	67302	7.73					
1M80165.D	DAILY BLANK	127508	4.48	108087	6.31	68152	7.73					
1M80166.D	MBS16889	140898	4.48	118136	6.31	64288	7.73					
1M80167.D	AC64605-013	151184	4.48	128660	6.31	59000	7.73					
1M80168.D	AC64605-014	156715	4.49	131906	6.31	72419	7.73					
1M80169.D	AC64605-015	144466	4.48	123105	6.31	68831	7.73					
1M80170.D	AC64605-016	139551	4.48	117929	6.31	63767	7.73					
1M80171.D	AC64605-012	150689	4.48	119528	6.31	51361	7.74					
1M80172.D	AC64605-010	141272	4.48	115750	6.31	58678	7.73					
1M80173.D	AC64605-009	128176	4.48	105995	6.31	45251	7.73					
1M80174.D	AC64605-011	122594	4.48	104354	6.31	62726	7.73					
1M80175.D	AC64605-013(	150112	4.49	126551	6.31	71368	7.73					
1M80176.D	AC64605-013(	148952	4.48	125762	6.31	69479	7.73					
1M80177.D	AC64635-002	141459	4.49	117575	6.31	72822	7.73					
1M80178.D	AC64635-003	165925	4.49	138390	6.32	62559	7.73					
1M80179.D	AC64635-004	152005	4.49	126662	6.32	67439	7.74					
1M80180.D	AC64635-005	145223	4.49	125151	6.31	61529	7.74					
1M80181.D	AC64635-006	145985	4.49	125788	6.31	64065	7.73					
1M80182.D	BLK	141864	4.49	114972	6.32	69571	7.74					
1M80183.D	AC64635-001	134545	4.49	115578	6.32	66803	7.74					
1M80184.D	MBS16896	138685	4.48	114366	6.31	62565	7.73					
1M80185.D	AC64605-014(	135749	4.49	117283	6.31	68876	7.74					
1M80186.D	AC64605-014(	143870	4.49	122172	6.32	64137	7.74					
1M80187.D	AC64634-001	151954	4.49	126507	6.32	68884	7.74					
1M80188.D	BLK	149192	4.48	120882	6.32	74105	7.74					
1M80189.D	AC64651-001	140486	4.49	115502	6.32	63859	7.74					
1M80190.D	AC64644-003	155954	4.49	108937	6.32	70833	7.74					
1M80191.D	AC64644-007	135017	4.49	114465	6.32	68695	7.74					
1M80192.D	AC64644-008	128042	4.49	111313	6.32	66626	7.74					
1M80193.D	AC64644-009	135086	4.49	113316	6.32	68783	7.74					
1M80194.D	AC64644-010	145665	4.49	120622	6.32	64860	7.74					
1M80195.D	AC64644-013	146845	4.49	107979	6.32	62566	7.74					
1M80196.D	BLK	152322	4.49	132007	6.32	74743	7.74					
1M80197.D	AC64644-001	134610	4.49	109888	6.32	69775	7.74					
1M80198.D	BLK	137620	4.49	115941	6.32	71098	7.74					
1M80199.D	BLK	149911	4.49	129353	6.32	73327	7.74					
1M80200.D	BLK	145042	4.49	121205	6.32	71783	7.74					
1M80201.D	BLK	297886 A	4.48	286787 A	6.32	175810 A	7.74					
1M80202.D	64642-001	284961	4.48	272567 A	6.32	166760 A	7.74					
1M80203.D	64642-003	271904	4.48	275070 A	6.32	172799 A	7.75					
1M80204.D	64642-004	256646	4.48	240573 A	6.32	179113 A	7.74					
1M80205.D	64642-005	277325	4.48	278740 A	6.32	161354 A	7.74					
1M80206.D	64642-006	264035	4.48	258366 A	6.32	158795 A	7.75					
1M80207.D	64642-007	274246	4.48	261852 A	6.32	159770 A	7.75					
1M80208.D	64642-008	251713	4.48	236766	6.32	152504 A	7.75					
1M80209.D	64642-009	273351	4.48	263637 A	6.32	149856 A	7.75					
1M80210.D	64642-010	265631	4.49	259257 A	6.33	170668 A	7.75					
1M80211.D	64642-011	263865	4.48	267438 A	6.32	173578 A	7.75					
1M80212.D	64642-012	279027	4.48	269512 A	6.32	175490 A	7.75					
1M80213.D	64642-013	273106	4.48	269269 A	6.32	160146 A	7.75					

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 1M80161.D Method: EPA 8260B

Analysis Date/Time: 03/12/12 06:12

Lab File ID: CAL @ 50 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	142646	4.48	118832	6.31	69953	7.73						
Eval File Area Limit:	71323-285292		59416-237664		34976-139906							
Eval File Rt Limit:	3.98-4.98		5.81-6.81		7.23-8.23							

Data File	Sample						
1M80214.D	64642-014	256069	4.48	263227 A	6.32	167413 A	7.75
1M80215.D	64642-015	266604	4.48	263953 A	6.32	168384 A	7.75
1M80216.D	64642-016	269947	4.48	264453 A	6.32	167245 A	7.75
1M80217.D	64642-017	286371 A	4.48	277330 A	6.32	174831 A	7.75
1M80218.D	64642-018	266766	4.48	265870 A	6.32	174128 A	7.75
1M80219.D	64642-019	263904	4.49	254349 A	6.32	150430 A	7.75
1M80220.D	STD	283381	4.49	278006 A	6.33	176083 A	7.75
1M80221.D	BLK	263947	4.49	250874 A	6.32	163392 A	7.75
1M80222.D	BLK	283518	4.49	277032 A	6.33	158517 A	7.75
1M80223.D	BLK	261923	4.49	226298	6.32	167461 A	7.75
1M80224.D	BLK	272111	4.50	265881 A	6.34	165264 A	7.77
1M80225.D	BLK	295457 A	4.49	277976 A	6.32	164435 A	7.75
1M80226.D	BLK	293028 A	4.49	280505 A	6.33	171831 A	7.75

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1.4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 6M80324.D Method: EPA 8260B

Analysis Date/Time: 03/13/12 07:35

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	81142	4.54	73200	6.09	33994	7.33						
Eval File Area Limit:	40571-162284		36600-146400		16997-67988							
Eval File Rt Limit:	4.04-5.04		5.59-6.59		6.83-7.83							

Data File	Sample												
6M80321.D	BLK	89484	4.54	79624	6.10	32659	7.33						
6M80322.D	20 PPB	61500	4.54	53872	6.09	24565	7.33						
6M80323.D	BLK	83572	4.54	75618	6.10	32227	7.33						
6M80325.D	BLK	85705	4.54	76894	6.10	32989	7.33						
6M80326.D	DAILY BLANK	68434	4.54	52524	6.10	30099	7.33						
6M80327.D	DAILY BLANK	71564	4.54	61889	6.10	29059	7.33						
6M80328.D	BLK	69346	4.54	59997	6.10	26250	7.33						
6M80329.D	MDL @ 1 PPE	69524	4.54	57719	6.10	28661	7.33						
6M80330.D	1 PPB	66608	4.54	58736	6.10	27232	7.33						
6M80331.D	MDL @ 1 PPE	86195	4.54	71782	6.10	34020	7.33						
6M80332.D	MDL @ 1 PPE	77302	4.54	65233	6.10	29263	7.33						
6M80333.D	MDL @ 1 PPE	104515	4.54	93137	6.10	39342	7.33						
6M80334.D	MDL @ 1 PPE	94960	4.54	84506	6.10	32324	7.33						
6M80335.D	MDL @ 1 PPE	85136	4.54	72333	6.10	33702	7.33						
6M80336.D	MDL @ 1 PPE	77567	4.54	66694	6.10	30256	7.33						
6M80337.D	VER @ 1 PPE	80946	4.54	71559	6.10	34171	7.33						
6M80338.D	1 PPB	70053	4.54	62522	6.10	29293	7.33						
6M80339.D	VER @ 0.5 P	79947	4.54	68760	6.10	32845	7.33						
6M80340.D	AC64634-002(	81241	4.54	72668	6.10	32245	7.33						
6M80341.D	MBS16910	80950	4.54	60433	6.10	40110	7.33						
6M80342.D	MBS16912	77263	4.54	66914	6.10	33991	7.33						
6M80343.D	MBS16913	75903	4.54	58071	6.10	37387	7.33						
6M80344.D	BLKTEST	76431	4.54	63658	6.10	29996	7.33						
6M80345.D	AC64653-014	72636	4.54	62052	6.10	29216	7.33						
6M80346.D	AC64501-016(	70759	4.55	61271	6.10	28607	7.33						
6M80347.D	AC64501-026(	84214	4.54	73854	6.10	34095	7.33						
6M80348.D	AC64651-005(	62637	4.54	52675	6.10	36127	7.33						
6M80349.D	AC64651-010(	63672	4.54	53044	6.10	37515	7.33						
6M80350.D	AC64651-009(	74083	4.54	55906	6.10	34464	7.33						
6M80351.D	AC64651-008(	64624	4.54	52777	6.10	35817	7.33						
6M80352.D	AC64651-007(	78011	4.54	64291	6.10	42619	7.33						
6M80353.D	AC64634-002	82519	4.54	70557	6.10	35534	7.33						
6M80354.D	AC64635-011(	58890	4.55	50260	6.10	28455	7.34						
6M80355.D	AC64635-011(	61721	4.54	53044	6.10	29760	7.33						
6M80356.D	AC64666-001	68806	4.55	57846	6.10	29246	7.33						
6M80357.D	AC64671-001	60113	4.54	52041	6.10	26446	7.34						
6M80358.D	AC64671-002	63995	4.54	55938	6.10	29302	7.33						
6M80359.D	AC64671-003	66064	4.55	57730	6.10	28570	7.33						
6M80360.D	AC64675-001	62321	4.55	28316 A	6.11	31844	7.33						
6M80361.D	AC64675-002	77366	4.55	60503	6.11	31656	7.33						
6M80362.D	AC64666-003	54681	4.55	46406	6.10	23481	7.33						
6M80363.D	AC64666-002(	57000	4.54	46109	6.10	23734	7.33						
6M80364.D	BLK	65588	4.54	56776	6.10	25153	7.33						
6M80370.D	MBS16918	72825	4.54	61053	6.10	33166	7.33						
6M80371.D	AC64556-001(	70423	4.55	61784	6.10	32902	7.33						
6M80372.D	MBS16933	73050	4.54	62253	6.10	32031	7.33						
6M80373.D	AC64556-001(	75509	4.54	63963	6.10	34058	7.34						
6M80374.D	MBS16934	75167	4.54	62676	6.10	31991	7.33						
6M80375.D	BLK	71891	4.54	62895	6.10	29129	7.33						
6M80376.D	BLK	76248	4.55	65558	6.10	33171	7.33						
6M80377.D	BLK	62823	4.54	54171	6.10	25915	7.33						
6M80378.D	MBS16921	67401	4.54	60538	6.10	31803	7.34						

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I3 =	1,4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

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Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

Semi-Volatile Data

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC64634-001
Client Id: B-5
Data File: 10M28789.D
Analysis Date: 03/11/12 21:14
Date Rec/Extracted: 03/08/12-03/10/12
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 89

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
122-66-7	1,2-Diphenylhydrazine	0.037	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.037**	**0.23**
95-95-4	2,4,5-Trichlorophenol	0.037	U	65-85-0	Benzoic Acid	0.15	U
88-06-2	2,4,6-Trichlorophenol	0.037	U	111-91-1	bis(2-Chloroethoxy)methan	0.037	U
120-83-2	2,4-Dichlorophenol	0.0094	U	111-44-4	bis(2-Chloroethyl)ether	0.0094	U
105-67-9	2,4-Dimethylphenol	0.037	U	108-60-1	bis(2-chloroisopropyl)ether	0.037	U
51-28-5	2,4-Dinitrophenol	0.19	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.037	U
121-14-2	2,4-Dinitrotoluene	0.037	U	85-68-7	Butylbenzylphthalate	0.037	U
606-20-2	2,6-Dinitrotoluene	0.037	U	**86-74-8**	**Carbazole**	**0.037**	**0.041**
91-58-7	2-Chloronaphthalene	0.037	U	**218-01-9**	**Chrysene**	**0.037**	**0.54**
95-57-8	2-Chlorophenol	0.037	U	**53-70-3**	**Dibenzo[a,h]anthracene**	**0.037**	**0.14**
91-57-6	2-Methylnaphthalene	0.037	U	132-64-9	Dibenzofuran	0.0094	U
95-48-7	2-Methylphenol	0.0094	U	84-66-2	Diethylphthalate	0.037	U
88-74-4	2-Nitroaniline	0.037	U	131-11-3	Dimethylphthalate	0.037	U
88-75-5	2-Nitrophenol	0.037	U	84-74-2	Di-n-butylphthalate	0.019	U
106-44-5	3&4-Methylphenol	0.0094	U	117-84-0	Di-n-octylphthalate	0.037	U
91-94-1	3,3'-Dichlorobenzidine	0.037	U	**206-44-0**	**Fluoranthene**	**0.037**	**0.99**
99-09-2	3-Nitroaniline	0.037	U	**86-73-7**	**Fluorene**	**0.037**	**0.058**
534-52-1	4,6-Dinitro-2-methylphenol	0.037	U	118-74-1	Hexachlorobenzene	0.037	U
101-55-3	4-Bromophenyl-phenylether	0.037	U	87-68-3	Hexachlorobutadiene	0.037	U
59-50-7	4-Chloro-3-methylphenol	0.037	U	77-47-4	Hexachlorocyclopentadiene	0.037	U
106-47-8	4-Chloroaniline	0.018	U	67-72-1	Hexachloroethane	0.037	U
7005-72-3	4-Chlorophenyl-phenylether	0.037	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.037**	**0.29**
100-01-6	4-Nitroaniline	0.037	U	78-59-1	Isophorone	0.037	U
100-02-7	4-Nitrophenol	0.037	U	91-20-3	Naphthalene	0.0094	U
83-32-9	Acenaphthene	0.037	U	98-95-3	Nitrobenzene	0.037	U
208-96-8	Acenaphthylene	0.037	U	62-75-9	N-Nitrosodimethylamine	0.037	U
62-53-3	Aniline	0.015	U	621-64-7	N-Nitroso-di-n-propylamine	0.0094	U
120-12-7	**Anthracene**	**0.037**	**0.11**	86-30-6	n-Nitrosodiphenylamine	0.037	U
92-87-5	Benzidine	0.037	U	87-86-5	Pentachlorophenol	0.19	U
56-55-3	**Benzo[a]anthracene**	**0.037**	**0.59**	**85-01-8**	**Phenanthrene**	**0.037**	**0.46**
50-32-8	**Benzo[a]pyrene**	**0.037**	**0.45**	108-95-2	Phenol	0.037	U
205-99-2	**Benzo[b]fluoranthene**	**0.037**	**0.60**	**129-00-0**	**Pyrene**	**0.037**	**0.90**
191-24-2	**Benzo[g,h,i]perylene**	**0.037**	**0.28**				

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Quantitation Report (QT Reviewed)

2030826 0082

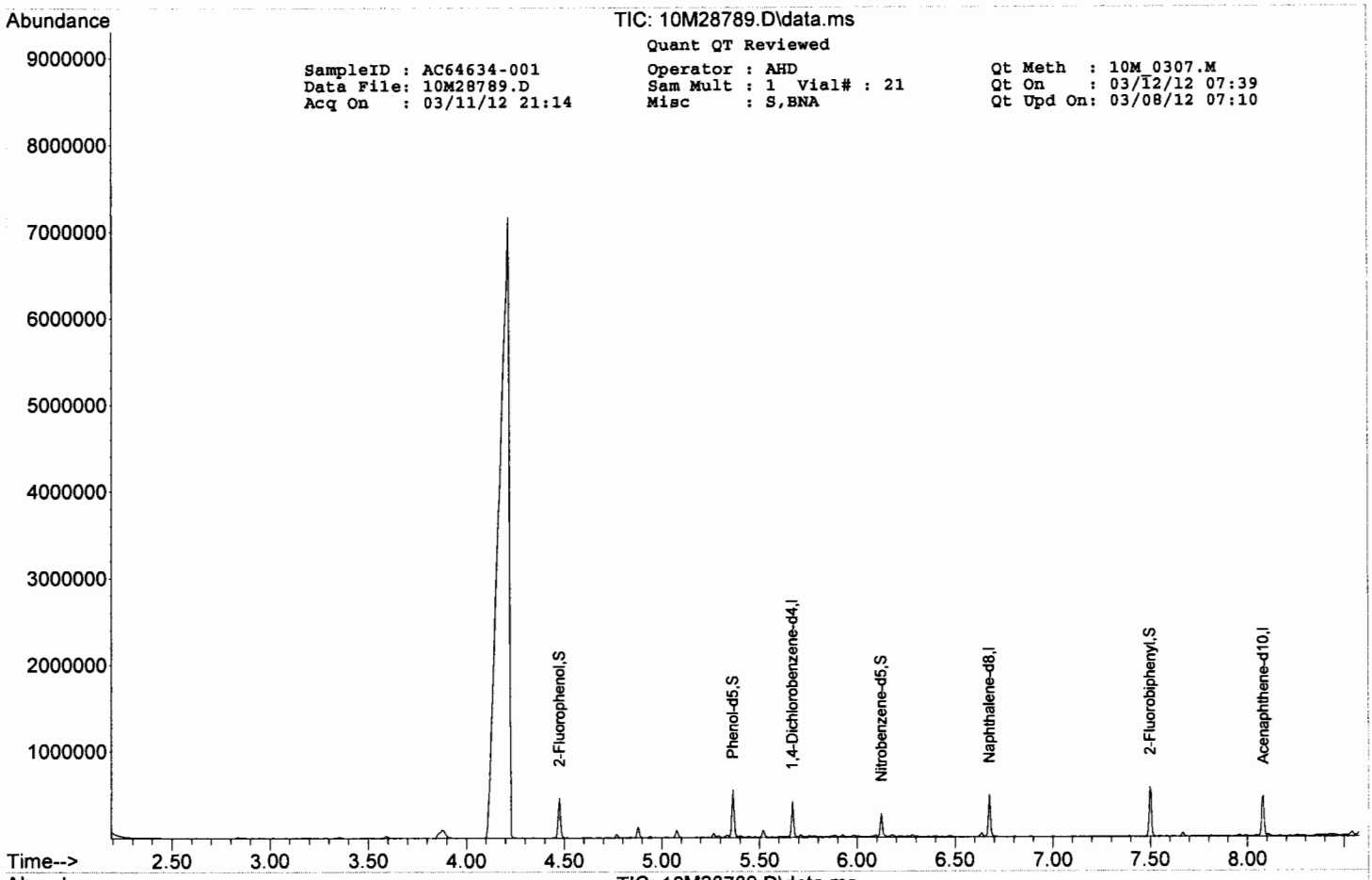
SampleID : AC64634-001 Operator : AHD Qt Meth : 10M_0307.M
Data File: 10M28789.D Sam Mult : 1 Vial# : 21 Qt On : 03/12/12 07:39
Acq On : 03/11/12 21:14 Misc : S,BNA Qt Upd On: 03/08/12 07:10

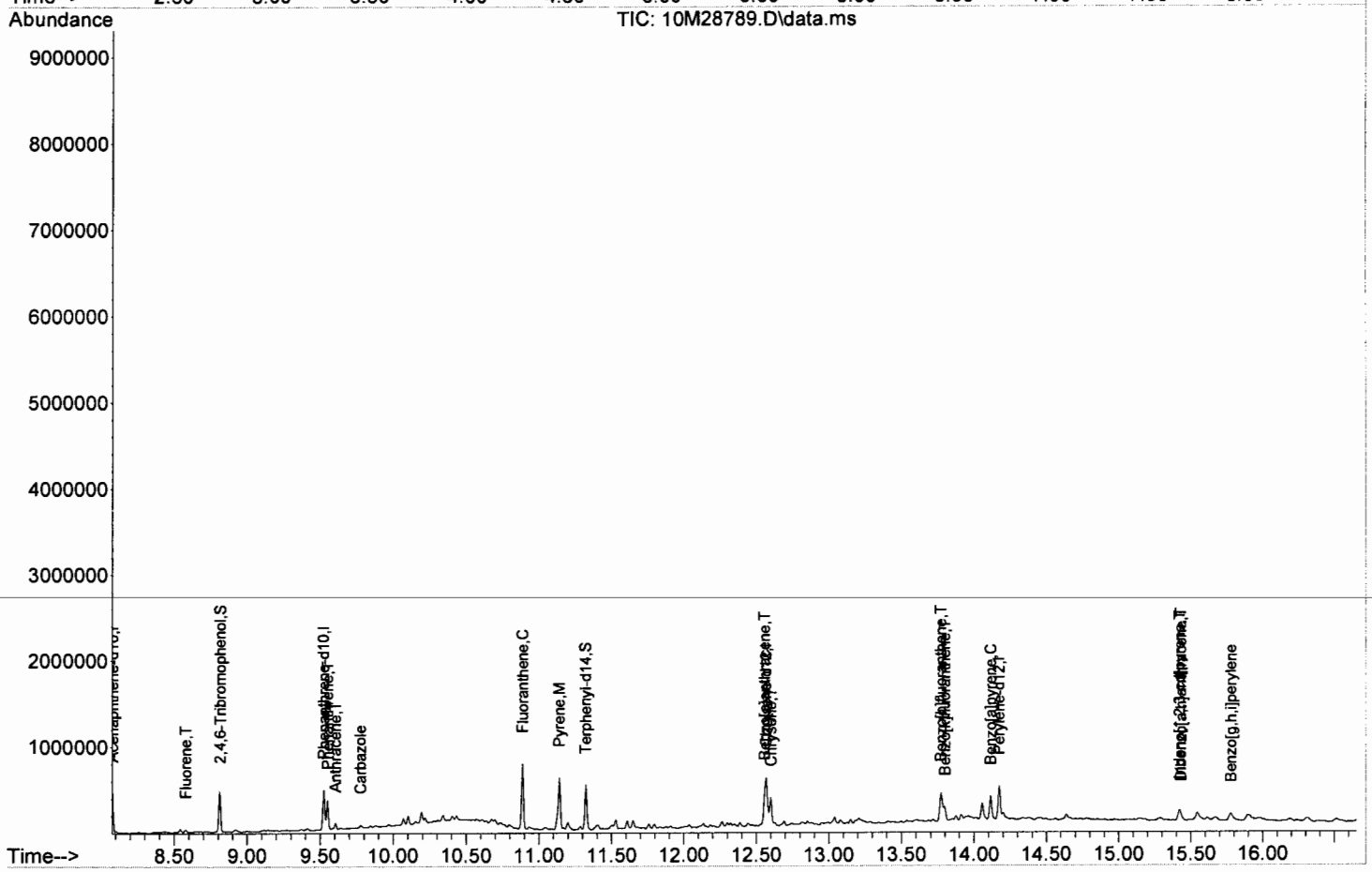
Data Path : G:\GcMsData\2012\GCMS_10\Data\03-11-12\
Qt Path : G:\GCMSDATA\2012\GCMS_10\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.669	152	45591	40.00	ng	-0.02
30) Naphthalene-d8	6.674	136	154196	40.00	ng	-0.02
48) Acenaphthene-d10	8.081	164	95723	40.00	ng	-0.02
75) Phenanthrene-d10	9.525	188	168412	40.00	ng	-0.02
89) Chrysene-d12	12.569	240	158962	40.00	ng	-0.02
101) Perylene-d12	14.173	264	157986	40.00	ng	-0.02
System Monitoring Compounds						
11) 2-Fluorophenol	4.476	112	102236	74.21	ng	0.00
Spiked Amount 100.000			Recovery = 74.21%			
16) Phenol-d5	5.364	99	131419	72.28	ng	-0.01
Spiked Amount 100.000			Recovery = 72.28%			
31) Nitrobenzene-d5	6.123	128	25973	41.11	ng	-0.02
Spiked Amount 50.000			Recovery = 82.22%			
53) 2-Fluorobiphenyl	7.498	172	152137	45.99	ng	-0.02
Spiked Amount 50.000			Recovery = 91.98%			
78) 2,4,6-Tribromophenol	8.814	330	39156	95.04	ng	-0.02
Spiked Amount 100.000			Recovery = 95.04%			
92) Terphenyl-d14	11.322	244	146967	45.37	ng	-0.02
Spiked Amount 50.000			Recovery = 90.74%			
Target Compounds						Qvalue
70) Fluorene	8.579	166	8998	3.1207	ng	97
84) Phenanthrene	9.552	178	119921	24.5183	ng	99
85) Anthracene	9.605	178	30114	6.0084	ng	97
86) Carbazole	9.777	167	9800	2.1743	ng	99
88) Fluoranthene	10.889	202	300230	53.1151	ng	79
90) Pyrene	11.141	202	257510	48.2548	ng	78
98) Benzo[a]anthracene	12.558	228	145198	31.5790	ng	99
99) Chrysene	12.601	228	130291	28.8901	ng	98
103) Benzo[b]fluoranthene	13.772	252	160919m	32.2231	ng	
104) Benzo[k]fluoranthene	13.799	252	60005m	12.3737	ng	
105) Benzo[a]pyrene	14.114	252	110435	24.0616	ng	88
106) Indeno[1,2,3-cd]pyrene	15.419	276	63509	15.6563	ng	68
107) Dibenzo[a,h]anthracene	15.430	278	24204	7.6252	ng	78
108) Benzo[g,h,i]perylene	15.778	276	57336	14.7540	ng	71

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Ve


Abundance
TIC: 10M28789.D\data.ms
Quant QT Reviewed
SampleID : AC64634-001
Data File: 10M28789.D
Acq On : 03/11/12 21:14
Operator : AHD
Sam Mult : 1 Vial# : 21
Misc : S,BNA
Qt Meth : 10M_0307.M
Qt On : 03/12/12 07:39
Qt Upd On: 03/08/12 07:10
9000000
8000000
7000000
6000000
5000000
4000000
3000000
2000000
1000000
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
Time-->
2.50
3.00
3.50
4.00
4.50
5.00
5.50
6.00
6.50
7.00
7.50
8.00


Abundance
TIC: 10M28789.D\data.ms
9000000
8000000
7000000
6000000
5000000
4000000
3000000
2000000
1000000
Fluorene,T
2,4,6-Tribromophenol,S
Anthracene,I
Carbazole
Fluoranthene,C
Pyrene,M
Terphenyl-d14,S
Benzo[a]pyrene,C
Benzo[g,h,i]perylene
Time-->
8.50
9.00
9.50
10.00
10.50
11.00
11.50
12.00
12.50
13.00
13.50
14.00
14.50
15.00
15.50
16.00

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC64634-002
Client Id: B-5-GW
Data File: 9M41989.D
Analysis Date: 03/14/12 11:31
Date Rec/Extracted: 03/08/12-03/13/12
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 500ml
Final Vol: 0.5ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
122-66-7	1,2-Diphenylhydrazine	2.0	U	**207-08-9**	**Benzo[k]fluoranthene**	**2.0**	**3.4**
95-95-4	2,4,5-Trichlorophenol	2.0	U	**65-85-0**	**Benzoic Acid**	**5.8**	**190**
88-06-2	2,4,6-Trichlorophenol	2.0	U	111-91-1	bis(2-Chloroethoxy)methan	2.0	U
120-83-2	2,4-Dichlorophenol	2.0	U	111-44-4	bis(2-Chloroethyl)ether	0.50	U
105-67-9	2,4-Dimethylphenol	2.0	U	108-60-1	bis(2-chloroisopropyl)ether	2.0	U
51-28-5	2,4-Dinitrophenol	10	U	117-81-7	bis(2-Ethylhexyl)phthalate	2.0	U
121-14-2	2,4-Dinitrotoluene	2.0	U	85-68-7	Butylbenzylphthalate	2.0	U
606-20-2	2,6-Dinitrotoluene	2.0	U	86-74-8	Carbazole	2.0	U
91-58-7	2-Chloronaphthalene	2.0	U	**218-01-9**	**Chrysene**	**2.0**	**6.2**
95-57-8	2-Chlorophenol	2.0	U	53-70-3	Dibenzo[a,h]anthracene	2.0	U
91-57-6	2-Methylnaphthalene	2.0	U	132-64-9	Dibenzofuran	0.50	U
95-48-7	2-Methylphenol	0.50	U	84-66-2	Diethylphthalate	2.0	U
88-74-4	2-Nitroaniline	2.0	U	131-11-3	Dimethylphthalate	2.0	U
88-75-5	2-Nitrophenol	2.0	U	84-74-2	Di-n-butylphthalate	0.50	U
106-44-5	3&4-Methylphenol	0.50	U	117-84-0	Di-n-octylphthalate	2.0	U
91-94-1	3,3'-Dichlorobenzidine	2.0	U	**206-44-0**	**Fluoranthene**	**2.0**	**11**
99-09-2	3-Nitroaniline	2.0	U	86-73-7	Fluorene	2.0	U
534-52-1	4,6-Dinitro-2-methylphenol	2.0	U	118-74-1	Hexachlorobenzene	2.0	U
101-55-3	4-Bromophenyl-phenylether	2.0	U	87-68-3	Hexachlorobutadiene	2.0	U
59-50-7	4-Chloro-3-methylphenol	2.0	U	77-47-4	Hexachlorocyclopentadiene	2.0	U
106-47-8	4-Chloroaniline	0.50	U	67-72-1	Hexachloroethane	2.0	U
7005-72-3	4-Chlorophenyl-phenylether	2.0	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**2.0**	**4.8**
100-01-6	4-Nitroaniline	2.0	U	78-59-1	Isophorone	2.0	U
100-02-7	4-Nitrophenol	2.0	U	91-20-3	Naphthalene	0.50	U
83-32-9	Acenaphthene	2.0	U	98-95-3	Nitrobenzene	2.0	U
208-96-8	Acenaphthylene	2.0	U	62-75-9	N-Nitrosodimethylamine	2.0	U
62-53-3	Aniline	2.0	U	621-64-7	N-Nitroso-di-n-propylamine	0.50	U
120-12-7	**Anthracene**	**2.0**	**2.6**	86-30-6	n-Nitrosodiphenylamine	2.0	U
92-87-5	Benzidine	10	U	87-86-5	Pentachlorophenol	10	U
56-55-3	**Benzo[a]anthracene**	**2.0**	**7.1**	**85-01-8**	**Phenanthrene**	**2.0**	**6.5**
50-32-8	**Benzo[a]pyrene**	**2.0**	**7.4**	108-95-2	Phenol	2.0	U
205-99-2	**Benzo[b]fluoranthene**	**2.0**	**8.6**	**129-00-0**	**Pyrene**	**2.0**	**12**
191-24-2	**Benzo[g,h,i]perylene**	**2.0**	**5.2**				

Worksheet #: 221106 *Total Target Concentration* 1 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Quantitation Report (QT Reviewed)

2030826 0085

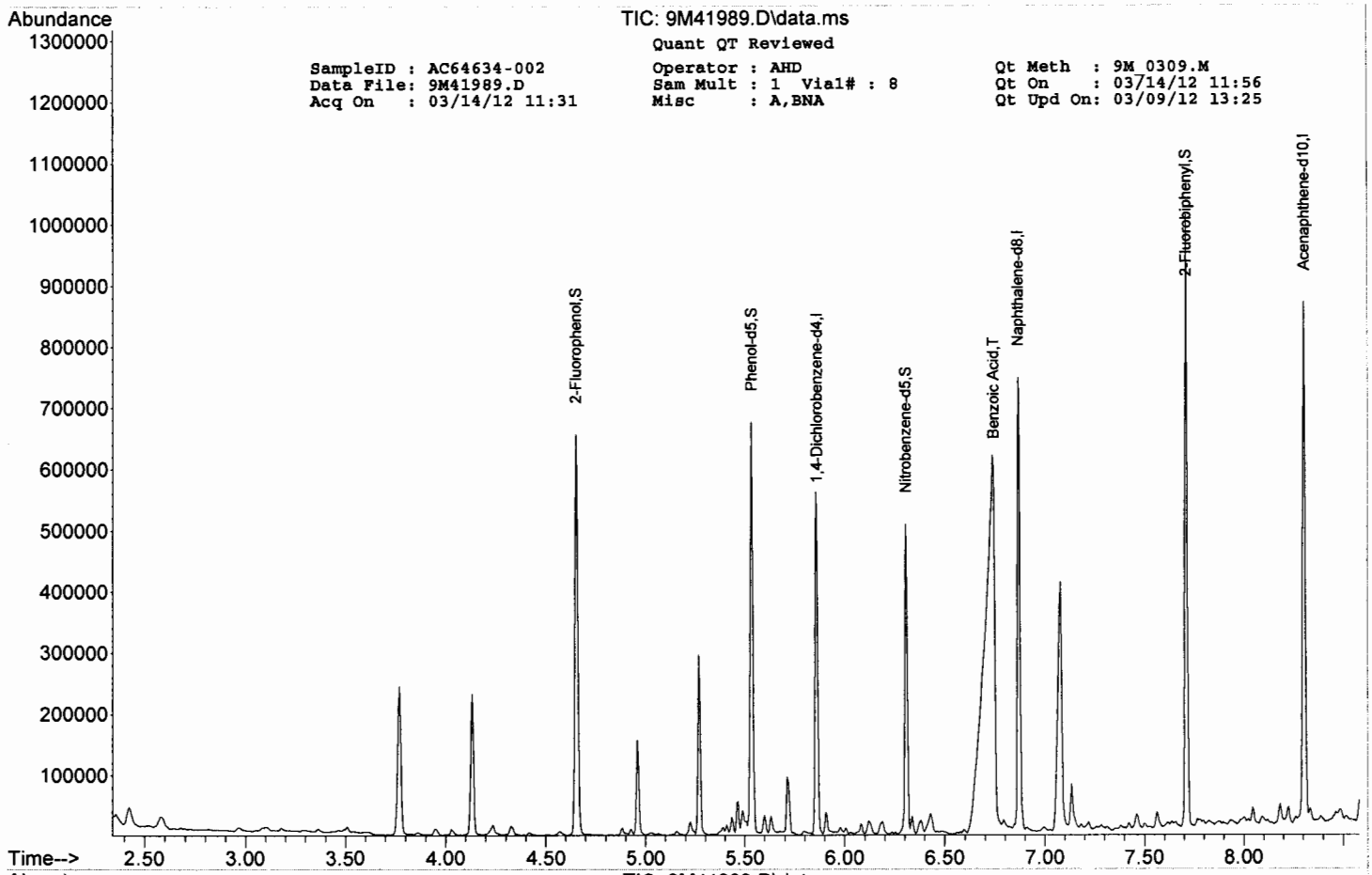
SampleID : AC64634-002 Operator : AHD Qt Meth : 9M_0309.M
Data File: 9M41989.D Sam Mult : 1 Vial# : 8 Qt On : 03/14/12 11:56
Acq On : 03/14/12 11:31 Misc : A,BNA Qt Upd On: 03/09/12 13:25

Data Path : G:\GcMsData\2012\GCMS_9\Data\03-14-12\
Qt Path : G:\GCMSDATA\2012\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.862	152	82575	40.00	ng	0.00
30) Naphthalene-d8	6.867	136	298949	40.00	ng	0.00
48) Acenaphthene-d10	8.306	164	172510	40.00	ng	0.00
75) Phenanthrene-d10	9.771	188	284167	40.00	ng	0.00
89) Chrysene-d12	12.826	240	262661	40.00	ng	0.00
101) Perylene-d12	14.451	264	223487	40.00	ng	0.00
System Monitoring Compounds						
11) 2-Fluorophenol	4.653	112	192077	68.58	ng	0.00
Spiked Amount 100.000			Recovery = 68.58%			
16) Phenol-d5	5.535	99	211972	53.08	ng	0.00
Spiked Amount 100.000			Recovery = 53.08%			
31) Nitrobenzene-d5	6.306	128	61408	51.76	ng	0.00
Spiked Amount 50.000			Recovery = 103.52%			
53) 2-Fluorobiphenyl	7.712	172	255449	45.48	ng	0.00
Spiked Amount 50.000			Recovery = 90.96%			
78) 2,4,6-Tribromophenol	9.044	330	53772	99.34	ng	0.00
Spiked Amount 100.000			Recovery = 99.34%			
92) Terphenyl-d14	11.579	244	272422	55.17	ng	0.00
Spiked Amount 50.000			Recovery = 110.34%			
Target Compounds						Qvalue
36) Benzoic Acid	6.744	105	538641	190.2175	ng	89
84) Phenanthrene	9.798	178	52049	6.5333	ng	98
85) Anthracene	9.852	178	20518	2.5599	ng	97
88) Fluoranthene	11.130	202	102975	11.3736	ng	97
90) Pyrene	11.392	202	99175	12.0274	ng	97
98) Benzo[a]anthracene	12.815	228	55600	7.0673	ng	94
99) Chrysene	12.852	228	43808	6.2289	ng	98
103) Benzo[b]fluoranthene	14.029	252	56493m	8.5811	ng	
104) Benzo[k]fluoranthene	14.050	252	21161m	3.3852	ng	
105) Benzo[a]pyrene	14.382	252	45210	7.3888	ng	99
106) Indeno[1,2,3-cd]pyrene	15.783	276	30331	4.8063	ng	96
108) Benzo[g,h,i]perylene	16.163	276	27521	5.1745	ng	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Ve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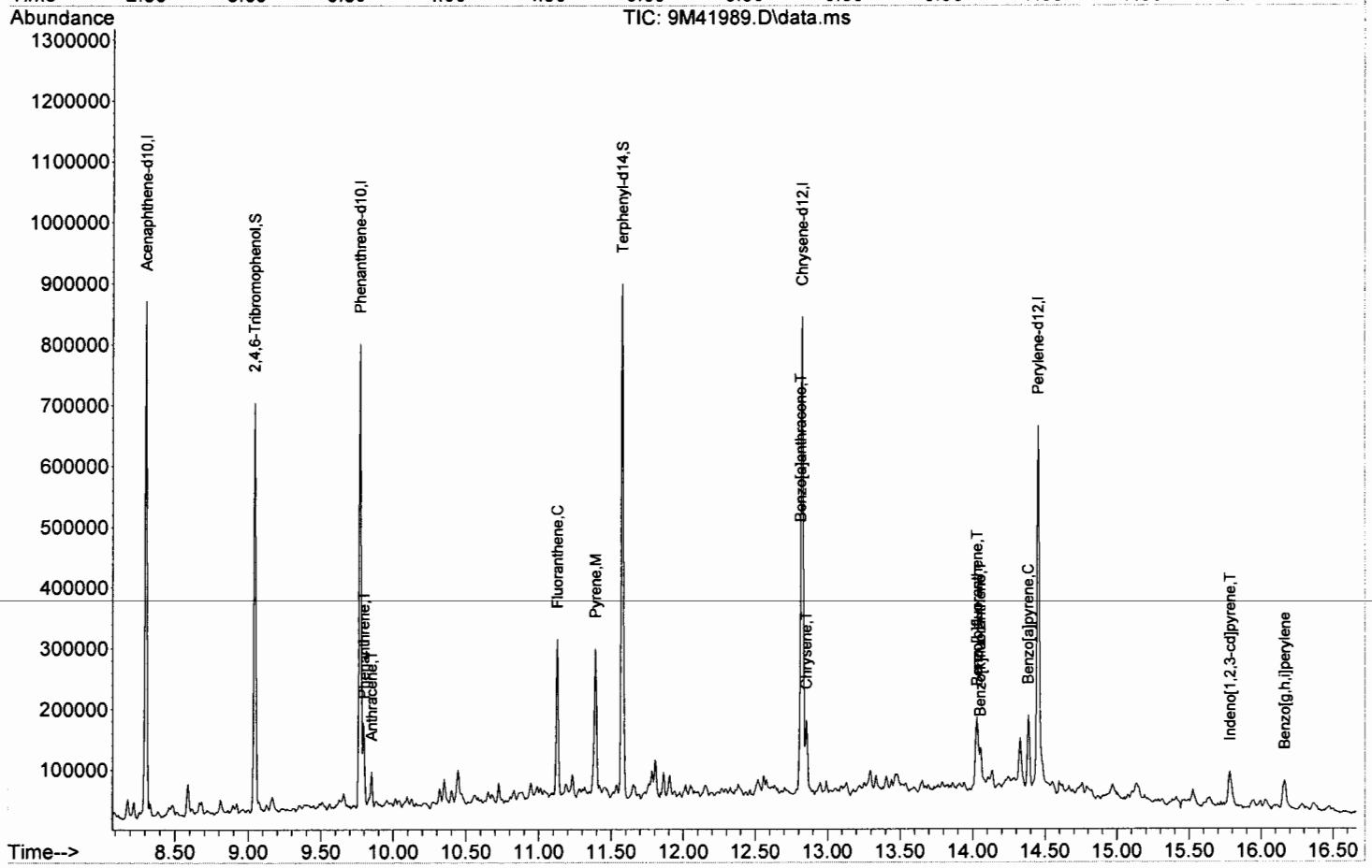
Quant QT Reviewed
SampleID : AC64634-002
Data File: 9M41989.D
Acq On : 03/14/12 11:31
Operator : AHD
Sam Mult : 1 Vial# : 8
Misc : A,BNA
Qt Meth : 9M_0309.M
Qt On : 03/14/12 11:56
Qt Upd On: 03/09/12 13:25
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Benzoic Acid,T
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
Time-->


Abundance
TIC: 9M41989.D\data.ms
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Fluoranthene,C
Pyrene,M
Benzo[a]pyrene,C
Indeno[1,2,3-cd]pyrene,T
Benzo[g,h,i]perylene
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: WMB13749
Client Id:
Data File: 9M41984.D
Analysis Date: 03/14/12 09:38
Date Rec/Extracted: NA-03/13/12
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
122-66-7	1,2-Diphenylhydrazine	2.0	U	207-08-9	Benzo[k]fluoranthene	2.0	U
95-95-4	2,4,5-Trichlorophenol	2.0	U	65-85-0	Benzoic Acid	5.8	U
88-06-2	2,4,6-Trichlorophenol	2.0	U	111-91-1	bis(2-Chloroethoxy)methan	2.0	U
120-83-2	2,4-Dichlorophenol	2.0	U	111-44-4	bis(2-Chloroethyl)ether	0.50	U
105-67-9	2,4-Dimethylphenol	2.0	U	108-60-1	bis(2-chloroisopropyl)ether	2.0	U
51-28-5	2,4-Dinitrophenol	10	U	117-81-7	bis(2-Ethylhexyl)phthalate	2.0	U
121-14-2	2,4-Dinitrotoluene	2.0	U	85-68-7	Butylbenzylphthalate	2.0	U
606-20-2	2,6-Dinitrotoluene	2.0	U	86-74-8	Carbazole	2.0	U
91-58-7	2-Chloronaphthalene	2.0	U	218-01-9	Chrysene	2.0	U
95-57-8	2-Chlorophenol	2.0	U	53-70-3	Dibenzo[a,h]anthracene	2.0	U
91-57-6	2-Methylnaphthalene	2.0	U	132-64-9	Dibenzofuran	0.50	U
95-48-7	2-Methylphenol	0.50	U	84-66-2	Diethylphthalate	2.0	U
88-74-4	2-Nitroaniline	2.0	U	131-11-3	Dimethylphthalate	2.0	U
88-75-5	2-Nitrophenol	2.0	U	84-74-2	Di-n-butylphthalate	0.50	U
106-44-5	3&4-Methylphenol	0.50	U	117-84-0	Di-n-octylphthalate	2.0	U
91-94-1	3,3'-Dichlorobenzidine	2.0	U	206-44-0	Fluoranthene	2.0	U
99-09-2	3-Nitroaniline	2.0	U	86-73-7	Fluorene	2.0	U
534-52-1	4,6-Dinitro-2-methylphenol	2.0	U	118-74-1	Hexachlorobenzene	2.0	U
101-55-3	4-Bromophenyl-phenylether	2.0	U	87-68-3	Hexachlorobutadiene	2.0	U
59-50-7	4-Chloro-3-methylphenol	2.0	U	77-47-4	Hexachlorocyclopentadiene	2.0	U
106-47-8	4-Chloroaniline	0.50	U	67-72-1	Hexachloroethane	2.0	U
7005-72-3	4-Chlorophenyl-phenylether	2.0	U	193-39-5	Indeno[1,2,3-cd]pyrene	2.0	U
100-01-6	4-Nitroaniline	2.0	U	78-59-1	Isophorone	2.0	U
100-02-7	4-Nitrophenol	2.0	U	91-20-3	Naphthalene	0.50	U
83-32-9	Acenaphthene	2.0	U	98-95-3	Nitrobenzene	2.0	U
208-96-8	Acenaphthylene	2.0	U	62-75-9	N-Nitrosodimethylamine	2.0	U
62-53-3	Aniline	2.0	U	621-64-7	N-Nitroso-di-n-propylamine	0.50	U
120-12-7	Anthracene	2.0	U	86-30-6	n-Nitrosodiphenylamine	2.0	U
92-87-5	Benzidine	10	U	87-86-5	Pentachlorophenol	10	U
56-55-3	Benzo[a]anthracene	2.0	U	85-01-8	Phenanthrene	2.0	U
50-32-8	Benzo[a]pyrene	2.0	U	108-95-2	Phenol	2.0	U
205-99-2	Benzo[b]fluoranthene	2.0	U	129-00-0	Pyrene	2.0	U
191-24-2	Benzo[g,h,i]perylene	2.0	U				

Worksheet #: 221093

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Quantitation Report (QT Reviewed)

2030826 0088

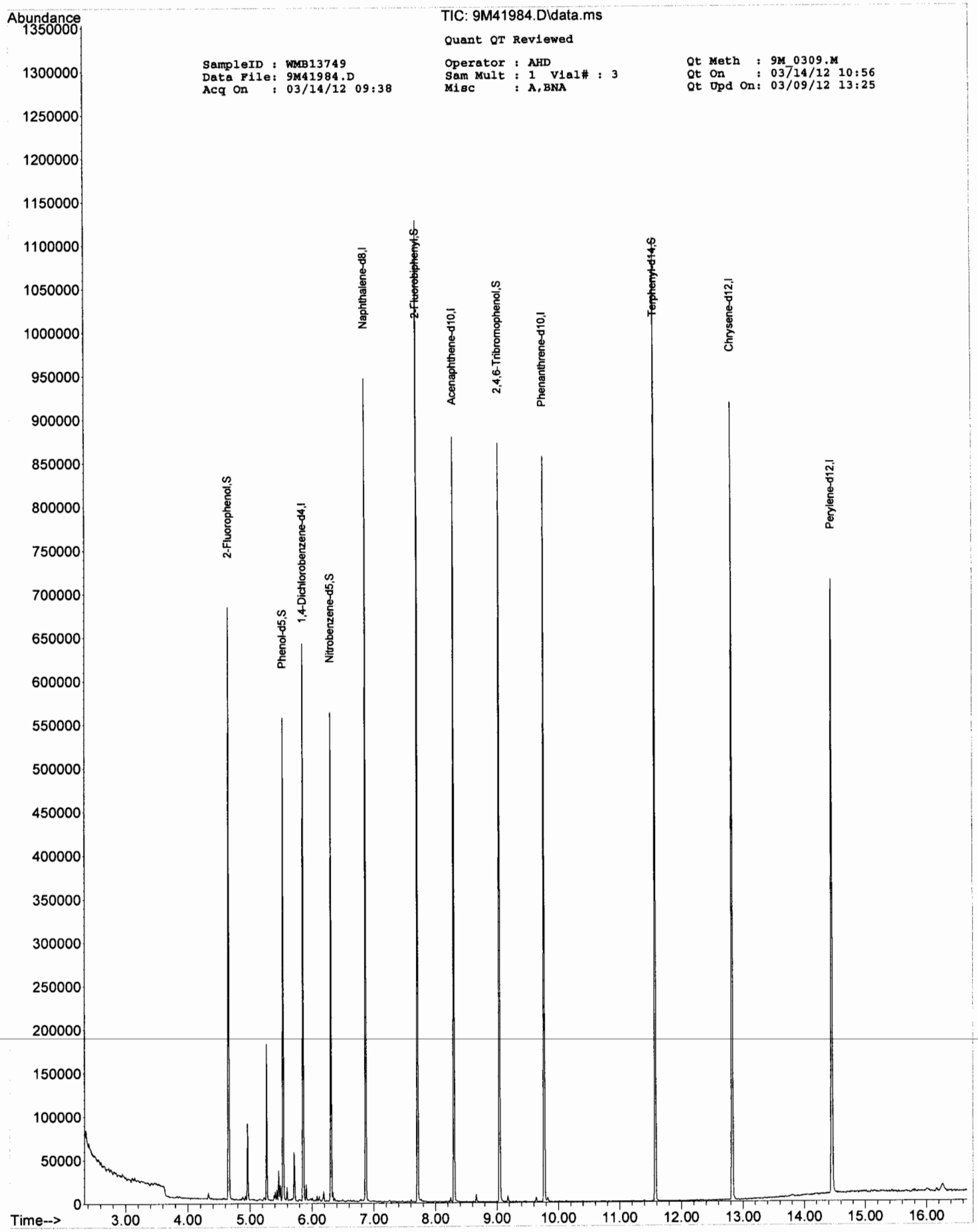
SampleID : WMB13749 Operator : AHD Qt Meth : 9M_0309.M
Data File: 9M41984.D Sam Mult : 1 Vial# : 3 Qt On : 03/14/12 10:56
Acq On : 03/14/12 09:38 Misc : A,BNA Qt Upd On: 03/09/12 13:25

Data Path : G:\GcMsData\2012\GCMS_9\Data\03-14-12\
Qt Path : G:\GCMSDATA\2012\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.862	152	95001	40.00	ng	0.00
30) Naphthalene-d8	6.867	136	346654	40.00	ng	0.00
48) Acenaphthene-d10	8.306	164	192302	40.00	ng	0.00
75) Phenanthrene-d10	9.771	188	324118	40.00	ng	0.00
89) Chrysene-d12	12.825	240	322144	40.00	ng	0.00
101) Perylene-d12	14.457	264	281550	40.00	ng	0.00
System Monitoring Compounds						
11) 2-Fluorophenol	4.653	112	192584	59.77	ng	0.00
Spiked Amount 100.000			Recovery = 59.77%			
16) Phenol-d5	5.535	99	169294	36.85	ng	0.00
Spiked Amount 100.000			Recovery = 36.85%			
31) Nitrobenzene-d5	6.305	128	71607	52.06	ng	0.00
Spiked Amount 50.000			Recovery = 104.12%			
53) 2-Fluorobiphenyl	7.712	172	325479	51.98	ng	0.00
Spiked Amount 50.000			Recovery = 103.96%			
78) 2,4,6-Tribromophenol	9.044	330	67228	108.06	ng	0.00
Spiked Amount 100.000			Recovery = 108.06%			
92) Terphenyl-d14	11.579	244	352197	58.16	ng	0.00
Spiked Amount 50.000			Recovery = 116.32%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


TIC: 9M41984.D\data.ms
Quant QT Reviewed
SampleID : WMB13749
Data File: 9M41984.D
Acq On : 03/14/12 09:38
Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : A,BNA
Qt Meth : 9M_0309.M
Qt On : 03/14/12 10:56
Qt Upd On: 03/09/12 13:25
Abundance
Time-->
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: SMB13730
Client Id:
Data File: 10M28805.D
Analysis Date: 03/12/12 10:10
Date Rec/Extracted: NA-03/10/12
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
122-66-7	1,2-Diphenylhydrazine	0.033	U	207-08-9	Benzo[k]fluoranthene	0.033	U
95-95-4	2,4,5-Trichlorophenol	0.033	U	65-85-0	Benzoic Acid	0.14	U
88-06-2	2,4,6-Trichlorophenol	0.033	U	111-91-1	bis(2-Chloroethoxy)methan	0.033	U
120-83-2	2,4-Dichlorophenol	0.0083	U	111-44-4	bis(2-Chloroethyl)ether	0.0083	U
105-67-9	2,4-Dimethylphenol	0.033	U	108-60-1	bis(2-chloroisopropyl)ether	0.033	U
51-28-5	2,4-Dinitrophenol	0.17	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.033	U
121-14-2	2,4-Dinitrotoluene	0.033	U	85-68-7	Butylbenzylphthalate	0.033	U
606-20-2	2,6-Dinitrotoluene	0.033	U	86-74-8	Carbazole	0.033	U
91-58-7	2-Chloronaphthalene	0.033	U	218-01-9	Chrysene	0.033	U
95-57-8	2-Chlorophenol	0.033	U	53-70-3	Dibenzo[a,h]anthracene	0.033	U
91-57-6	2-Methylnaphthalene	0.033	U	132-64-9	Dibenzofuran	0.0083	U
95-48-7	2-Methylphenol	0.0083	U	84-66-2	Diethylphthalate	0.033	U
88-74-4	2-Nitroaniline	0.033	U	131-11-3	Dimethylphthalate	0.033	U
88-75-5	2-Nitrophenol	0.033	U	**84-74-2**	**Di-n-butylphthalate**	**0.017**	**0.026**
106-44-5	3&4-Methylphenol	0.0083	U	117-84-0	Di-n-octylphthalate	0.033	U
91-94-1	3,3'-Dichlorobenzidine	0.033	U	206-44-0	Fluoranthene	0.033	U
99-09-2	3-Nitroaniline	0.033	U	86-73-7	Fluorene	0.033	U
534-52-1	4,6-Dinitro-2-methylphenol	0.033	U	118-74-1	Hexachlorobenzene	0.033	U
101-55-3	4-Bromophenyl-phenylether	0.033	U	87-68-3	Hexachlorobutadiene	0.033	U
59-50-7	4-Chloro-3-methylphenol	0.033	U	77-47-4	Hexachlorocyclopentadiene	0.033	U
106-47-8	4-Chloroaniline	0.016	U	67-72-1	Hexachloroethane	0.033	U
7005-72-3	4-Chlorophenyl-phenylether	0.033	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.033	U
100-01-6	4-Nitroaniline	0.033	U	78-59-1	Isophorone	0.033	U
100-02-7	4-Nitrophenol	0.033	U	91-20-3	Naphthalene	0.0083	U
83-32-9	Acenaphthene	0.033	U	98-95-3	Nitrobenzene	0.033	U
208-96-8	Acenaphthylene	0.033	U	62-75-9	N-Nitrosodimethylamine	0.033	U
62-53-3	Aniline	0.014	U	621-64-7	N-Nitroso-di-n-propylamine	0.0083	U
120-12-7	Anthracene	0.033	U	86-30-6	n-Nitrosodiphenylamine	0.033	U
92-87-5	Benzidine	0.033	U	87-86-5	Pentachlorophenol	0.17	U
56-55-3	Benzo[a]anthracene	0.033	U	85-01-8	Phenanthrene	0.033	U
50-32-8	Benzo[a]pyrene	0.033	U	108-95-2	Phenol	0.033	U
205-99-2	Benzo[b]fluoranthene	0.033	U	129-00-0	Pyrene	0.033	U
191-24-2	Benzo[g,h,i]perylene	0.033	U				

Worksheet #: 221093 *Total Target Concentration* 1 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Quantitation Report (QT Reviewed)

2030826 0091

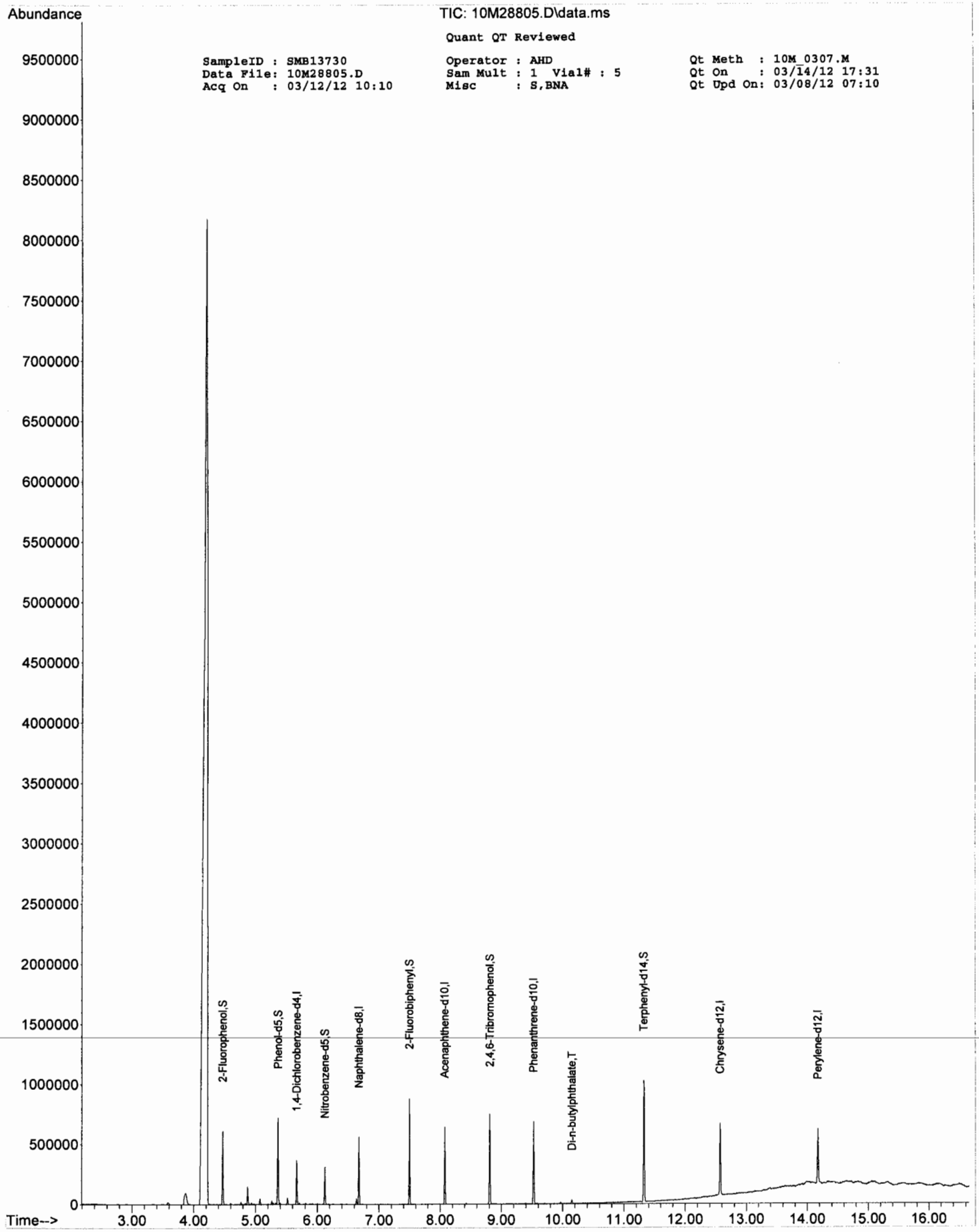
SampleID : SMB13730 Operator : AHD Qt Meth : 10M_0307.M
Data File: 10M28805.D Sam Mult : 1 Vial# : 5 Qt On : 03/14/12 17:31
Acq On : 03/12/12 10:10 Misc : S,BNA Qt Upd On: 03/08/12 07:10

Data Path : G:\GcMsData\2012\GCMS_10\Data\03-12-12\
Qt Path : G:\GCMSDATA\2012\GCMS_10\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.664	152	45318	40.00	ng	-0.03
30) Naphthalene-d8	6.674	136	180485	40.00	ng	-0.02
48) Acenaphthene-d10	8.076	164	123557	40.00	ng	-0.03
75) Phenanthrene-d10	9.525	188	247083	40.00	ng	-0.02
89) Chrysene-d12	12.569	240	224570	40.00	ng	-0.02
101) Perylene-d12	14.173	264	178386	40.00	ng	-0.02
System Monitoring Compounds						
11) 2-Fluorophenol	4.471	112	129548	94.60	ng	-0.01
Spiked Amount 100.000			Recovery = 94.60%			
16) Phenol-d5	5.364	99	177107	98.00	ng	-0.01
Spiked Amount 100.000			Recovery = 98.00%			
31) Nitrobenzene-d5	6.124	128	33286	45.01	ng	-0.02
Spiked Amount 50.000			Recovery = 90.02%			
53) 2-Fluorobiphenyl	7.498	172	194749	45.61	ng	-0.02
Spiked Amount 50.000			Recovery = 91.22%			
78) 2,4,6-Tribromophenol	8.814	330	58675	96.61	ng	-0.02
Spiked Amount 100.000			Recovery = 96.61%			
92) Terphenyl-d14	11.322	244	298605	65.25	ng	-0.02
Spiked Amount 50.000			Recovery = 130.50%			
Target Compounds						Qvalue
87) Di-n-butylphthalate	10.151	149	13811	1.5457	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Ve


Abundance
TIC: 10M28805.D\data.ms
Quant QT Reviewed
SampleID : SMB13730
Data File: 10M28805.D
Acq On : 03/12/12 10:10
Operator : AHD
Sam Mult : 1 Vial# : 5
Misc : S,BNA
Qt Meth : 10M_0307.M
Qt On : 03/14/12 17:31
Qt Upd On: 03/08/12 07:10
9500000
9000000
8500000
8000000
7500000
7000000
6500000
6000000
5500000
5000000
4500000
4000000
3500000
3000000
2500000
2000000
1500000
1000000
500000
0
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Di-n-butylphthalate,T
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->
3.00
4.00
5.00
6.00
7.00
8.00
9.00
10.00
11.00
12.00
13.00
14.00
15.00
16.00

FORM2

Surrogate Recovery

Method: EPA 8270C

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column1 S5 Recov	Column1 S6 Recov
10M28805.D	SMB13730	Soil	03/12/12 10:10	1		95	98	90	91	97	130
9M41984.D	WMB13749	Aqueous	03/14/12 09:38	1		60	37	104	104	108	116
10M28789.D	AC64634-001	Soil	03/11/12 21:14	1		74	72	82	92	95	91
9M41989.D	AC64634-002	Aqueous	03/14/12 11:31	1		69	53	104	91	99	110
5M73440.D	SMB13730(M	Soil	03/11/12 16:03	1		99	96	102	97	108	105
5M73445.D	AC64632-001	Soil	03/11/12 17:57	1		85	83	83	84	98	101
5M73446.D	AC64632-001(	Soil	03/11/12 18:20	1		94	92	95	92	102	99
5M73447.D	AC64632-001(	Soil	03/11/12 18:43	1		88	88	89	88	104	100
9M41985.D	WMB13749(M	Aqueous	03/14/12 10:01	1		62	37	104	90	106	121
9M41986.D	AC64675-007	Aqueous	03/14/12 10:23	1		64	39	112	117	112	124
9M41987.D	AC64675-008(	Aqueous	03/14/12 10:45	1		52	32	117	98	111	130
9M41988.D	AC64675-009(	Aqueous	03/14/12 11:08	1		51	31	109	95	108	125

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: EPA 8270C

Soil Limits

Compound	Spike Amt	Limits
S1=2-Fluorophenol	100	43-128
S2=Phenol-d5	100	49-129
S3=Nitrobenzene-d5	50	52-129
S4=2-Fluorobiphenyl	50	58-125
S5=2,4,6-Tribromophenol	100	54-145
S6=Terphenyl-d14	50	58-148

Aqueous Limits

Compound	Spike Amt	Limits
S1=2-Fluorophenol	100	29-113
S2=Phenol-d5	100	27-115
S3=Nitrobenzene-d5	50	51-139
S4=2-Fluorobiphenyl	50	53-129
S5=2,4,6-Tribromophenol	100	54-149
S6=Terphenyl-d14	50	55-146

Form3
Recovery Data
QC Batch: SMB13730

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M73440.D	SMB13730(MS)	3/11/2012 4:03:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8270 Matrix: Soil QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Phenol	1	97.0948	0	100	97	20	130
2-Chlorophenol	1	101.8708	0	100	102	50	130
1,4-Dichlorobenzene	1	45.2102	0	50	90	50	130
2-Methylphenol	1	106.7073	0	100	107	50	130
N-Nitroso-di-n-propylamine	1	52.2724	0	50	105	20	130
2,4-Dimethylphenol	1	110.0784	0	100	110	50	130
1,2,4-Trichlorobenzene	1	46.3246	0	50	93	50	130
Naphthalene	1	48.7017	0	50	97	50	130
4-Chloro-3-methylphenol	1	110.3506	0	100	110	50	130
Acenaphthene	1	49.7611	0	50	100	50	130
2,4-Dinitrotoluene	1	52.7863	0	50	106	50	130
4-Nitrophenol	1	100.0329	0	100	100	20	130
Fluorene	1	52.1923	0	50	104	50	130
Pentachlorophenol	1	107.2115	0	100	107	40	130
Pyrene	1	54.604	0	50	109	50	130
Butylbenzylphthalate	1	55.1308	0	50	110	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: SMB13730

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M73446.D	AC64632-001(MS)	3/11/2012 6:20:00 PM
Non Spike(If applicable):	5M73445.D	AC64632-001	3/11/2012 5:57:00 PM
Inst Blank(If applicable):			

Method: 8270 Matrix: Soil QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Phenol	1	92.631	0	100	93	20	130
2-Chlorophenol	1	98.5635	0	100	99	50	130
1,4-Dichlorobenzene	1	44.0929	0	50	88	50	130
2-Methylphenol	1	101.1302	0	100	101	50	130
N-Nitroso-di-n-propylamine	1	48.946	0	50	98	20	130
2,4-Dimethylphenol	1	102.7153	0	100	103	50	130
1,2,4-Trichlorobenzene	1	44.1819	0	50	88	50	130
Naphthalene	1	46.5738	0	50	93	50	130
4-Chloro-3-methylphenol	1	106.0695	0	100	106	50	130
Acenaphthene	1	47.9998	0	50	96	50	130
2,4-Dinitrotoluene	1	49.7178	0	50	99	50	130
4-Nitrophenol	1	95.2503	0	100	95	20	130
Fluorene	1	50.3694	0	50	101	50	130
Pentachlorophenol	1	88.4	0	100	88	40	130
Pyrene	1	51.1259	0	50	102	50	130
Butylbenzylphthalate	1	52.7569	0	50	106	50	130

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M73447.D	AC64632-001(MSD)	3/11/2012 6:43:00 PM
Non Spike(If applicable):	5M73445.D	AC64632-001	3/11/2012 5:57:00 PM
Inst Blank(If applicable):			

Method: 8270 Matrix: Soil QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Phenol	1	84.984	0	100	85	20	130
2-Chlorophenol	1	89.9167	0	100	90	50	130
1,4-Dichlorobenzene	1	39.7167	0	50	79	50	130
2-Methylphenol	1	94.4407	0	100	94	50	130
N-Nitroso-di-n-propylamine	1	45.6517	0	50	91	20	130
2,4-Dimethylphenol	1	95.1251	0	100	95	50	130
1,2,4-Trichlorobenzene	1	39.763	0	50	80	50	130
Naphthalene	1	43.3871	0	50	87	50	130
4-Chloro-3-methylphenol	1	99.9116	0	100	100	50	130
Acenaphthene	1	45.2424	0	50	90	50	130
2,4-Dinitrotoluene	1	48.0413	0	50	96	50	130
4-Nitrophenol	1	91.5327	0	100	92	20	130
Fluorene	1	47.9868	0	50	96	50	130
Pentachlorophenol	1	91.4765	0	100	91	40	130
Pyrene	1	51.4859	0	50	103	50	130
Butylbenzylphthalate	1	53.4977	0	50	107	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
RPD DATA

QC Batch: SMB13730

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M73447.D	AC64632-001(MSD)	3/11/2012 6:43:00 PM
Duplicate(If applicable):	5M73446.D	AC64632-001(MS)	3/11/2012 6:20:00 PM
Inst Blank(If applicable):			

Method: 8270 Matrix: Soil QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Phenol	1	84.984	92.631	8.6	40
2-Chlorophenol	1	89.9167	98.5635	9.2	40
1,4-Dichlorobenzene	1	39.7167	44.0929	10	40
2-Methylphenol	1	94.4407	101.1302	6.8	40
N-Nitroso-di-n-propylamine	1	45.6517	48.946	7	40
2,4-Dimethylphenol	1	95.1251	102.7153	7.7	40
1,2,4-Trichlorobenzene	1	39.763	44.1819	11	40
Naphthalene	1	43.3871	46.5738	7.1	40
4-Chloro-3-methylphenol	1	99.9116	106.0695	6	40
Acenaphthene	1	45.2424	47.9998	5.9	40
2,4-Dinitrotoluene	1	48.0413	49.7178	3.4	40
4-Nitrophenol	1	91.5327	95.2503	4	40
Fluorene	1	47.9868	50.3694	4.8	40
Pentachlorophenol	1	91.4765	88.4	3.4	40
Pyrene	1	51.4859	51.1259	0.7	40
Butylbenzylphthalate	1	53.4977	52.7569	1.4	40

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Form3
Recovery Data
QC Batch: WMB13749

	Data File	Sample ID:	Analysis Date
Spike or Dup:	9M41985.D	WMB13749(MS)	3/14/2012 10:01:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8270 Matrix: Aqueous QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	46.8714	0	100	47	10	130
Phenol	1	33.1212	0	100	33	20	130
2-Chlorophenol	1	78.4808	0	100	78	50	130
1,4-Dichlorobenzene	1	86.7501	0	100	87	50	130
2-Methylphenol	1	68.3179	0	100	68	50	130
Hexachloroethane	1	84.3261	0	100	84	50	130
N-Nitroso-di-n-propylamine	1	70.9875	0	100	71	20	130
3&4-Methylphenol	1	62.987	0	100	63	50	130
Nitrobenzene	1	91.8554	0	100	92	50	130
2,4-Dimethylphenol	1	80.637	0	100	81	50	130
1,2,4-Trichlorobenzene	1	84.581	0	100	85	50	130
Naphthalene	1	87.1172	0	100	87	50	130
Hexachlorobutadiene	1	92.1748	0	100	92	50	130
4-Chloro-3-methylphenol	1	82.8565	0	100	83	50	130
2,4,6-Trichlorophenol	1	92.5093	0	100	93	50	130
2,4,5-Trichlorophenol	1	88.292	0	100	88	50	130
Acenaphthene	1	84.3713	0	100	84	50	130
2,4-Dinitrotoluene	1	82.8174	0	100	83	50	130
4-Nitrophenol	1	35.1283	0	100	35	20	130
Fluorene	1	81.6541	0	100	82	50	130
Hexachlorobenzene	1	85.8976	0	100	86	50	130
Pentachlorophenol	1	85.2309	0	100	85	40	130
Pyrene	1	96.2875	0	100	96	50	130
Butylbenzylphthalate	1	100.9128	0	100	101	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: WMB13749

	Data File	Sample ID:	Analysis Date
Spike or Dup:	9M41987.D	AC64675-008(MS:AC64675-007	3/14/2012 10:45:00 AM
Non Spike(If applicable):	9M41986.D	AC64675-007	3/14/2012 10:23:00 AM
Inst Blank(If applicable):			

Method: 8270 Matrix: Aqueous QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	52.7402	0	100	53	10	130
Phenol	1	29.493	0	100	29	20	130
2-Chlorophenol	1	74.0176	0	100	74	50	130
1,4-Dichlorobenzene	1	69.6298	0	100	70	50	130
2-Methylphenol	1	61.3777	0	100	61	50	130
Hexachloroethane	1	70.8452	0	100	71	50	130
N-Nitroso-di-n-propylamine	1	70.5401	0	100	71	20	130
3&4-Methylphenol	1	53.9182	0	100	54	50	130
Nitrobenzene	1	93.5289	0	100	94	50	130
2,4-Dimethylphenol	1	87.2441	0	100	87	50	130
1,2,4-Trichlorobenzene	1	76.8322	0	100	77	50	130
Naphthalene	1	81.2261	0	100	81	50	130
Hexachlorobutadiene	1	82.1887	0	100	82	50	130
4-Chloro-3-methylphenol	1	82.5105	0	100	83	50	130
2,4,6-Trichlorophenol	1	97.1583	0	100	97	50	130
2,4,5-Trichlorophenol	1	86.2564	0	100	86	50	130
Acenaphthene	1	87.2244	0	100	87	50	130
2,4-Dinitrotoluene	1	81.585	0	100	82	50	130
4-Nitrophenol	1	31.0557	0	100	31	20	130
Fluorene	1	81.2816	0	100	81	50	130
Hexachlorobenzene	1	88.0864	0	100	88	50	130
Pentachlorophenol	1	89.6103	0	100	90	40	130
Pyrene	1	102.1764	0	100	102	50	130
Butylbenzylphthalate	1	116.2634	0	100	116	50	130

	Data File	Sample ID:	Analysis Date
Spike or Dup:	9M41988.D	AC64675-009(MSD:AC64675-0	3/14/2012 11:08:00 AM
Non Spike(If applicable):	9M41986.D	AC64675-007	3/14/2012 10:23:00 AM
Inst Blank(If applicable):			

Method: 8270 Matrix: Aqueous QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	73.7348	0	100	74	10	130
Phenol	1	26.9424	0	100	27	20	130
2-Chlorophenol	1	72.2726	0	100	72	50	130
1,4-Dichlorobenzene	1	62.8562	0	100	63	50	130
2-Methylphenol	1	58.9935	0	100	59	50	130
Hexachloroethane	1	63.6874	0	100	64	50	130
N-Nitroso-di-n-propylamine	1	79.8804	0	100	80	20	130
3&4-Methylphenol	1	57.7566	0	100	58	50	130
Nitrobenzene	1	84.2308	0	100	84	50	130
2,4-Dimethylphenol	1	77.5958	0	100	78	50	130
1,2,4-Trichlorobenzene	1	72.9108	0	100	73	50	130
Naphthalene	1	75.8128	0	100	76	50	130
Hexachlorobutadiene	1	76.6757	0	100	77	50	130
4-Chloro-3-methylphenol	1	83.0201	0	100	83	50	130
2,4,6-Trichlorophenol	1	96.9795	0	100	97	50	130
2,4,5-Trichlorophenol	1	92.6166	0	100	93	50	130
Acenaphthene	1	88.9747	0	100	89	50	130
2,4-Dinitrotoluene	1	87.2826	0	100	87	50	130
4-Nitrophenol	1	30.7172	0	100	31	20	130
Fluorene	1	84.8418	0	100	85	50	130
Hexachlorobenzene	1	90.3699	0	100	90	50	130
Pentachlorophenol	1	90.2942	0	100	90	40	130
Pyrene	1	102.7739	0	100	103	50	130
Butylbenzylphthalate	1	107.184	0	100	107	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
RPD DATA
QC Batch: WMB13749

	Data File	Sample ID:	Analysis Date
Spike or Dup:	9M41988.D	AC64675-009(MSD:AC64675-0	3/14/2012 11:08:00 AM
Duplicate(If applicable):	9M41987.D	AC64675-008(MS:AC64675-007	3/14/2012 10:45:00 AM
Inst Blank(If applicable):			

Method: 8270 Matrix: Aqueous QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Pyridine	1	73.7348	52.7402	33	40
Phenol	1	26.9424	29.493	9	40
2-Chlorophenol	1	72.2726	74.0176	2.4	40
1,4-Dichlorobenzene	1	62.8562	69.6298	10	40
2-Methylphenol	1	58.9935	61.3777	4	40
Hexachloroethane	1	63.6874	70.8452	11	40
N-Nitroso-di-n-propylamine	1	79.8804	70.5401	12	40
3&4-Methylphenol	1	57.7566	53.9182	6.9	40
Nitrobenzene	1	84.2308	93.5289	10	40
2,4-Dimethylphenol	1	77.5958	87.2441	12	40
1,2,4-Trichlorobenzene	1	72.9108	76.8322	5.2	40
Naphthalene	1	75.8128	81.2261	6.9	40
Hexachlorobutadiene	1	76.6757	82.1887	6.9	40
4-Chloro-3-methylphenol	1	83.0201	82.5105	0.62	40
2,4,6-Trichlorophenol	1	96.9795	97.1583	0.18	40
2,4,5-Trichlorophenol	1	92.6166	86.2564	7.1	40
Acenaphthene	1	88.9747	87.2244	2	40
2,4-Dinitrotoluene	1	87.2826	81.585	6.7	40
4-Nitrophenol	1	30.7172	31.0557	1.1	40
Fluorene	1	84.8418	81.2816	4.3	40
Hexachlorobenzene	1	90.3699	88.0864	2.6	40
Pentachlorophenol	1	90.2942	89.6103	0.76	40
Pyrene	1	102.7739	102.1764	0.58	40
Butylbenzylphthalate	1	107.184	116.2634	8.1	40

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

FORM 4
Blank Summary

Blank Number: SMB13730
Blank Data File: 10M28805.D
Matrix: Soil

Blank Analysis Date: 03/12/12 10:10
Blank Extraction Date: 03/10/12
(If Applicable)
Method: EPA 8270C

Sample Number	Data File	Analysis Date
AC64634-001	10M28789.D	03/11/12 21:14
AC64632-001(MSD	5M73447.D	03/11/12 18:43
AC64632-001(MS)	5M73446.D	03/11/12 18:20
AC64632-001	5M73445.D	03/11/12 17:57
SMB13730(MS)	5M73440.D	03/11/12 16:03

FORM 4
Blank Summary

Blank Number: WMB13749
Blank Data File: 9M41984.D
Matrix: Aqueous

Blank Analysis Date: 03/14/12 09:38
Blank Extraction Date: 03/13/12
(If Applicable)
Method: EPA 8270C

Sample Number	Data File	Analysis Date
AC64634-002	9M41989.D	03/14/12 11:31
AC64675-009(MSD	9M41988.D	03/14/12 11:08
AC64675-008(MS:	9M41987.D	03/14/12 10:45
AC64675-007	9M41986.D	03/14/12 10:23
WMB13749(MS)	9M41985.D	03/14/12 10:01

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 5

Data File: 5M73343.D
Analysis Date: 03/06/12 08:14
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.797 to 9.813 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	33.2	38981	PASS
68	69	0.00	2	0.3	121	PASS
69	198	0.00	100	35.7	41914	PASS
70	69	0.00	2	0.4	166	PASS
127	198	40	60	52.8	61949	PASS
197	198	0.00	1	0.1	74	PASS
198	198	100	100	100.0	117348	PASS
199	198	5	9	6.7	7915	PASS
275	198	10	30	29.4	34499	PASS
365	198	1	100	5.7	6645	PASS
441	443	0.01	100	78.4	17440	PASS
442	198	40	100	96.4	113159	PASS
443	442	17	23	19.7	22254	PASS

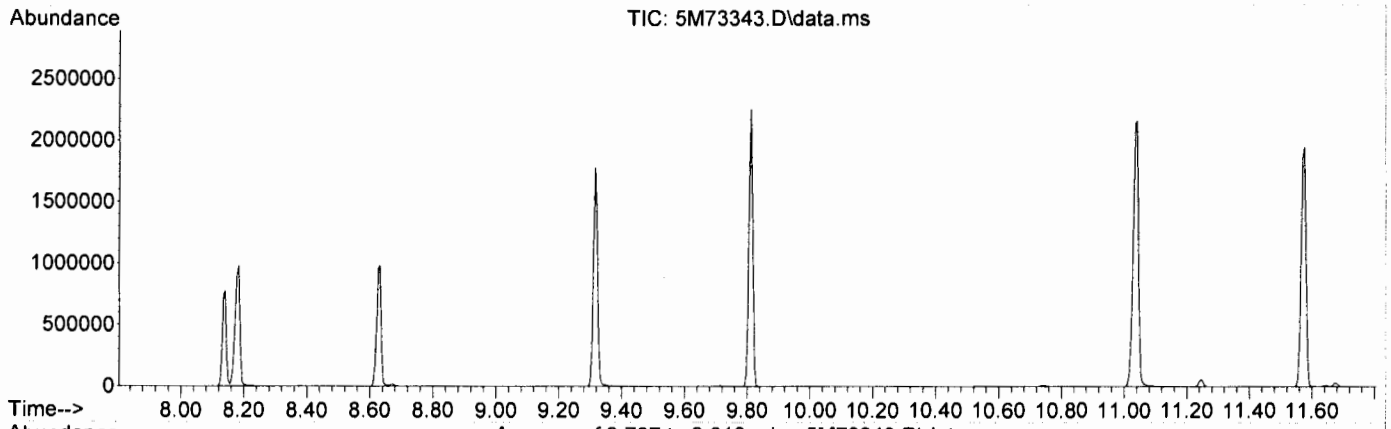
Data File	Sample Number	Analysis Date:
5M73344.D	CAL BNA@50PPM	03/06/12 08:35
5M73345.D	CAL BNA@196PP	03/06/12 08:58
5M73346.D	CAL BNA@160PP	03/06/12 09:20
5M73347.D	CAL BNA@120PP	03/06/12 09:43
5M73348.D	CAL BNA@10PPM	03/06/12 10:05
5M73349.D	CAL BNA@20PPM	03/06/12 10:28
5M73350.D	CAL BNA@2PPM	03/06/12 10:50
5M73351.D	CAL BNA@.5PPM	03/06/12 11:13
5M73352.D	CAL BNA@80PPM	03/06/12 11:35
5M73353.D	CAL BNA@50PPM	03/06/12 11:58
5M73355.D	ICV BNA@50PPM	03/06/12 12:28
5M73356.D	TEST 2PPM	03/06/12 14:42

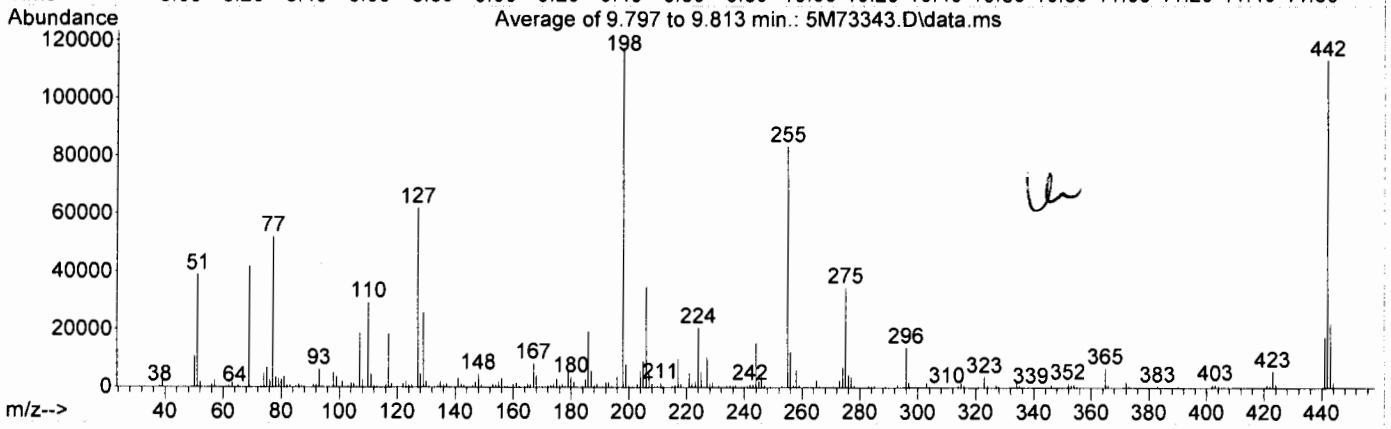
2030826 0103

Data Path : G:\GcMsData\2012\GCMS_5\Data\03-06-12\
Data File : 5M73343.D
Acq On : 6 Mar 2012 8:14
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2012\GCMS_5\MethodQt\5M_0305.M
Title : @GCMS_5,mg,625,8270
Last Update : Mon Mar 05 17:03:55 2012





Spectrum Information: Average of 9.797 to 9.813 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	33.2	38981	PASS
68	69	0.00	2	0.3	121	PASS
69	198	0.00	100	35.7	41914	PASS
70	69	0.00	2	0.4	166	PASS
127	198	40	60	52.8	61949	PASS
197	198	0.00	1	0.1	74	PASS
198	198	100	100	100.0	117348	PASS
199	198	5	9	6.7	7915	PASS
275	198	10	30	29.4	34499	PASS
365	198	1	100	5.7	6645	PASS
441	443	0.01	100	78.4	17440	PASS
442	198	40	100	96.4	113159	PASS
443	442	17	23	19.7	22254	PASS

Form 5

Tune Name: CAL DFTPP **Data File:** 10M28632.D
Instrument: GCMS 10 **Analysis Date:** 03/07/12 08:47
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.819 to 9.841 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	32.8	95005	PASS
68	69	0.00	2	1.5	1670	PASS
69	198	0.00	100	37.3	107970	PASS
70	69	0.00	2	0.6	631	PASS
127	198	40	60	46.8	135355	PASS
197	198	0.00	1	0.3	739	PASS
198	198	100	100	100.0	289350	PASS
199	198	5	9	6.9	19934	PASS
275	198	10	30	26.8	77592	PASS
365	198	1	100	3.6	10306	PASS
441	443	0.01	100	73.5	17468	PASS
442	198	40	100	42.2	122035	PASS
443	442	17	23	19.5	23776	PASS

Data File	Sample Number	Analysis Date:
10M28633.D	CAL BNA@50PPM	03/07/12 09:10
10M28634.D	CAL BNA@196PP	03/07/12 09:40
10M28635.D	CAL BNA@160PP	03/07/12 10:03
10M28636.D	CAL BNA@120PP	03/07/12 10:25
10M28637.D	CAL BNA@80PPM	03/07/12 10:47
10M28638.D	CAL BNA@20PPM	03/07/12 11:10
10M28639.D	CAL BNA@10PPM	03/07/12 11:32
10M28640.D	CAL BNA@.5PPM	03/07/12 11:55
10M28641.D	CAL BNA@2PPM	03/07/12 12:17
10M28642.D	CAL BNA@50PPM	03/07/12 12:41
10M28643.D	ICV BNA@50PPM	03/07/12 13:10
10M28644.D	BNAMDL-1(AQ)	03/07/12 13:34
10M28645.D	BNAMDL-2(AQ)	03/07/12 13:59
10M28646.D	BNAMDL-3(AQ)	03/07/12 14:22
10M28647.D	BNAMDL-4(AQ)	03/07/12 14:44
10M28648.D	BNAMDL-5(AQ)	03/07/12 15:07
10M28649.D	BNAMDL-6(AQ)	03/07/12 15:29
10M28650.D	BNAMDL-7(AQ)	03/07/12 15:52
10M28651.D	BNAMDL-8(AQ)	03/07/12 16:14
10M28652.D	BNAMDL-9(AQ)	03/07/12 16:37
10M28653.D	BNAMDL-VERI(AQ	03/07/12 16:59
10M28654.D	AC64581-001(10X)	03/07/12 17:22
10M28655.D	AC64581-002(20X)	03/07/12 17:44
10M28656.D	AC64574-001(20X)	03/07/12 18:07
10M28657.D	AC64574-002(10X)	03/07/12 18:30
10M28658.D	AC64574-003(50X)	03/07/12 18:52
10M28659.D	AC64574-004(20X)	03/07/12 19:14
10M28660.D	SMB13702(MS)	03/07/12 19:37
10M28661.D	SMB13702	03/07/12 19:59
10M28662.D	AC64581-001	03/07/12 20:22
10M28663.D	AC64504-001	03/07/12 20:44

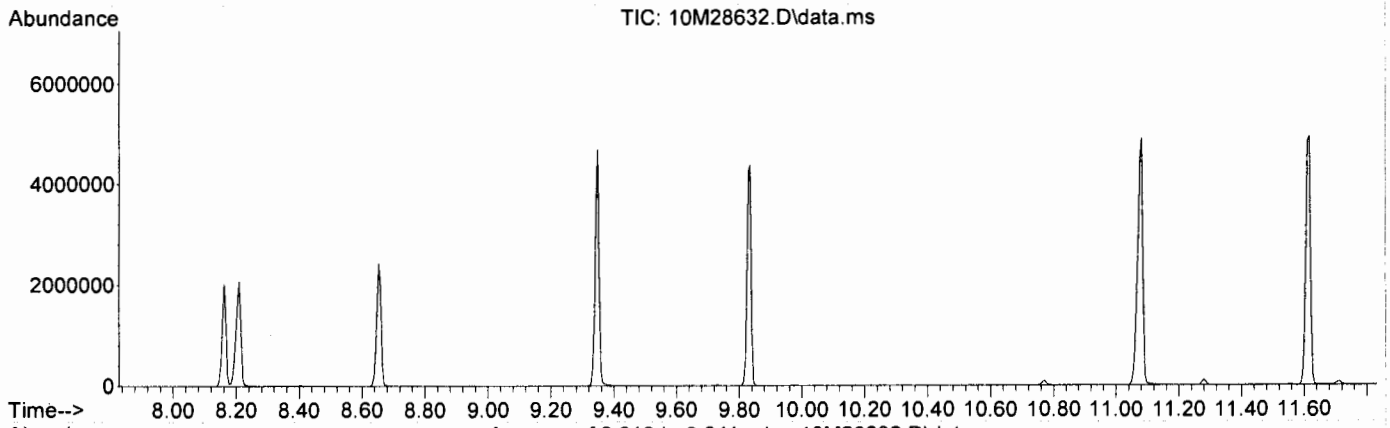
DFTPP

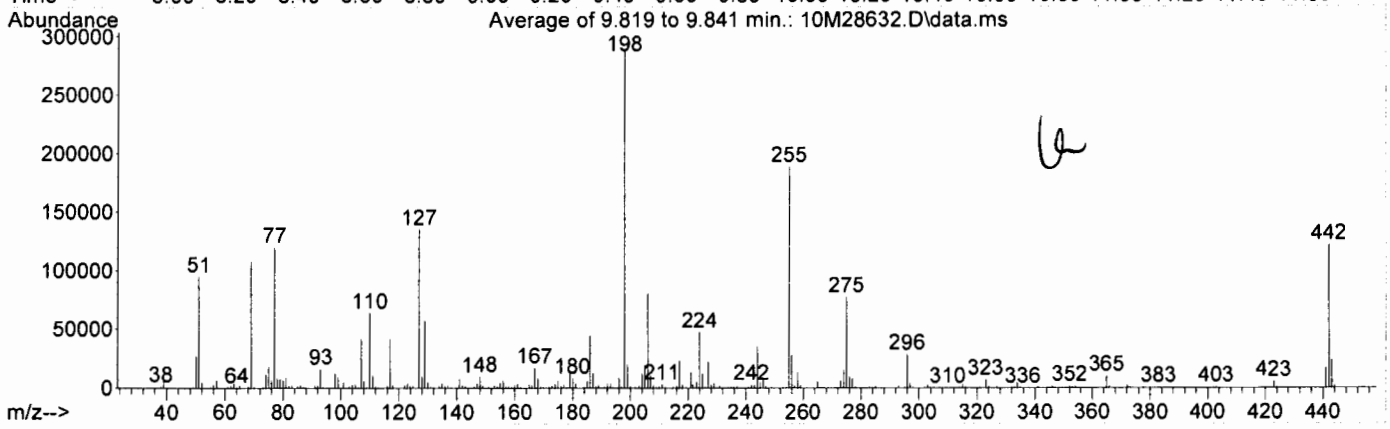
2030826 0105

Data Path : G:\GcMsData\2012\GCMS_10\Data\03-07-12\
Data File : 10M28632.D
Acq On : 7 Mar 2012 8:47
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2012\GCMS_10\MethodQt\10M_0203.M
Title : @GCMS_10,mg,625,8270
Last Update : Fri Feb 03 13:07:31 2012





Spectrum Information: Average of 9.819 to 9.841 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	32.8	95005	PASS
68	69	0.00	2	1.5	1670	PASS
69	198	0.00	100	37.3	107970	PASS
70	69	0.00	2	0.6	631	PASS
127	198	40	60	46.8	135355	PASS
197	198	0.00	1	0.3	739	PASS
198	198	100	100	100.0	289350	PASS
199	198	5	9	6.9	19934	PASS
275	198	10	30	26.8	77592	PASS
365	198	1	100	3.6	10306	PASS
441	443	0.01	100	73.5	17468	PASS
442	198	40	100	42.2	122035	PASS
443	442	17	23	19.5	23776	PASS

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 9

Data File: 9M41871.D
Analysis Date: 03/09/12 08:14
Method: EPA 8270C

Tune Scan/Time Range: Average of 10.060 to 10.076 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	32.1	52931	PASS
68	69	0.00	2	1.8	1180	PASS
69	198	0.00	100	39.8	65731	PASS
70	69	0.00	2	0.5	317	PASS
127	198	40	60	48.8	80672	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	165152	PASS
199	198	5	9	6.8	11246	PASS
275	198	10	30	21.6	35682	PASS
365	198	1	100	2.0	3379	PASS
441	443	0.01	100	75.9	13106	PASS
442	198	40	100	51.5	85134	PASS
443	442	17	23	20.3	17268	PASS

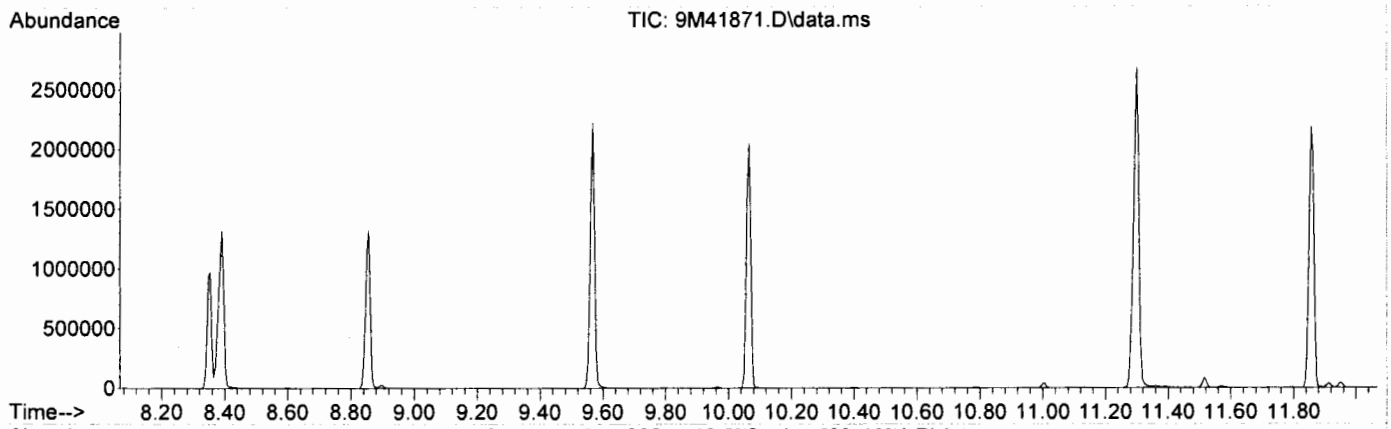
Data File	Sample Number	Analysis Date:
9M41872.D	CAL BNA@50PPM	03/09/12 09:34
9M41873.D	CAL BNA@50PPM	03/09/12 09:57
9M41874.D	CAL BNA@196PP	03/09/12 10:20
9M41875.D	CAL BNA@160PP	03/09/12 10:43
9M41876.D	CAL BNA@120PP	03/09/12 11:05
9M41877.D	CAL BNA@80PPM	03/09/12 11:28
9M41878.D	CAL BNA@20PPM	03/09/12 11:51
9M41879.D	CAL BNA@10PPM	03/09/12 12:13
9M41880.D	CAL BNA@.5PPM	03/09/12 12:36
9M41881.D	CAL BNA@2PPM	03/09/12 12:59
9M41882.D	ICV BNA@50PPM	03/09/12 13:28
9M41883.D	SMB13718	03/09/12 13:51
9M41884.D	WMB13724(MS)	03/09/12 14:14
9M41885.D	WMB13724	03/09/12 14:36
9M41886.D	AC64573-006	03/09/12 14:59
9M41887.D	AC64573-006(MS)	03/09/12 15:22
9M41888.D	AC64573-006(MSD	03/09/12 15:44
9M41889.D	AC64605-003	03/09/12 16:07
9M41890.D	AC64605-001	03/09/12 16:30
9M41891.D	AC64605-005	03/09/12 16:52
9M41892.D	AC64605-007	03/09/12 17:15
9M41893.D	AC64605-008	03/09/12 17:38
9M41894.D	AC64573-007	03/09/12 18:00
9M41895.D	AC64573-008	03/09/12 18:23
9M41896.D	AC64573-005	03/09/12 18:46
9M41897.D	AC64568-001	03/09/12 19:09
9M41898.D	AC64570-001	03/09/12 19:31
9M41899.D	AC64578-001	03/09/12 19:54
9M41900.D	AC64578-002	03/09/12 20:17
9M41901.D	AC64578-003	03/09/12 20:39
9M41902.D	AC64578-004	03/09/12 21:02
9M41903.D	AC64578-005	03/09/12 21:24
9M41904.D	AC64579-001	03/09/12 21:47
9M41905.D	AC64579-007	03/09/12 22:09
9M41906.D	AC64543-001	03/09/12 22:32
9M41907.D	AC64556-001	03/09/12 22:55
9M41908.D	AC64556-002	03/09/12 23:17
9M41909.D	AC64556-003	03/09/12 23:40
9M41910.D	AC64556-004	03/10/12 00:03
9M41911.D	AC64580-001	03/10/12 00:25
9M41912.D	AC64580-002	03/10/12 00:47
9M41913.D	AC64580-003	03/10/12 01:10
9M41914.D	AC64580-004	03/10/12 01:33
9M41915.D	AC64580-005	03/10/12 01:55
9M41916.D	AC64580-006	03/10/12 02:18
9M41917.D	AC64598-001	03/10/12 02:41
9M41918.D	AC64598-002	03/10/12 03:03
9M41919.D	AC64522-001(R)	03/10/12 03:26
9M41920.D	AC64522-002(R)	03/10/12 03:49
9M41921.D	AC64522-003(R)	03/10/12 04:11

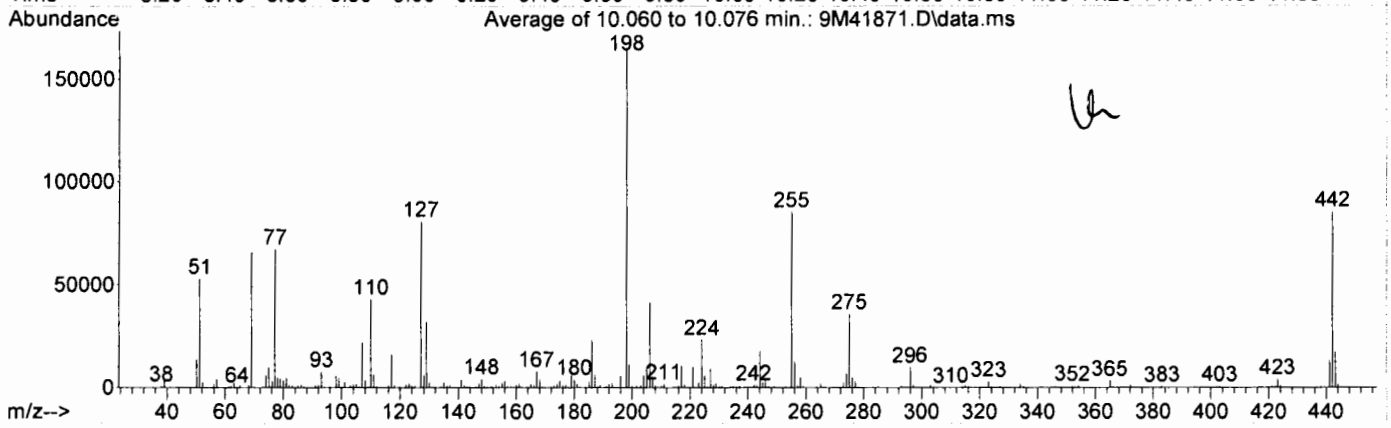
2030826 0107

Data Path : G:\GcMsData\2012\GCMS_9\Data\03-09-12\
Data File : 9M41871.D
Acq On : 9 Mar 2012 8:14
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2012\GCMS_9\MethodQt\9M_0306.M
Title : @GCMS_9,mg,625,8270
Last Update : Tue Mar 06 11:04:17 2012





Spectrum Information: Average of 10.060 to 10.076 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	32.1	52931	PASS
68	69	0.00	2	1.8	1180	PASS
69	198	0.00	100	39.8	65731	PASS
70	69	0.00	2	0.5	317	PASS
127	198	40	60	48.8	80672	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	165152	PASS
199	198	5	9	6.8	11246	PASS
275	198	10	30	21.6	35682	PASS
365	198	1	100	2.0	3379	PASS
441	443	0.01	100	75.9	13106	PASS
442	198	40	100	51.5	85134	PASS
443	442	17	23	20.3	17268	PASS

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 5

Data File: 5M73433.D
Analysis Date: 03/11/12 13:19
Method: EPA 8270C

Tune Scan/Time Range: Scan 1417

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	32.5	41880	PASS
68	69	0.00	2	1.8	873	PASS
69	198	0.00	100	37.1	47800	PASS
70	69	0.00	2	0.5	246	PASS
127	198	40	60	55.0	70952	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	128976	PASS
199	198	5	9	7.8	10004	PASS
275	198	10	30	27.0	34856	PASS
365	198	1	100	4.8	6231	PASS
441	443	0.01	100	78.3	15246	PASS
442	198	40	100	76.6	98840	PASS
443	442	17	23	19.7	19480	PASS

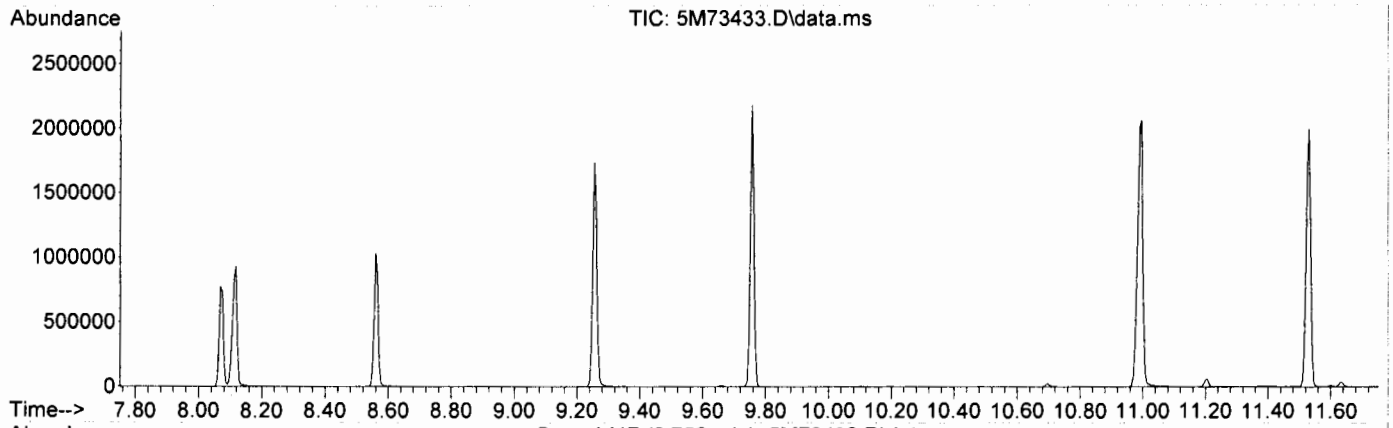
Data File	Sample Number	Analysis Date:
5M73434.D	CAL BNA@50PPM	03/11/12 13:42
5M73435.D	SMB13730	03/11/12 14:09
5M73436.D	SMB13732	03/11/12 14:32
5M73437.D	WMB13711	03/11/12 14:54
5M73438.D	WMB13734	03/11/12 15:17
5M73439.D	WMB13724	03/11/12 15:40
5M73440.D	SMB13730(MS)	03/11/12 16:03
5M73441.D	SMB13732(MS)	03/11/12 16:26
5M73442.D	AC64673-001	03/11/12 16:48
5M73443.D	AC64673-002	03/11/12 17:11
5M73444.D	AC64673-003	03/11/12 17:34
5M73445.D	AC64632-001	03/11/12 17:57
5M73446.D	AC64632-001(MS)	03/11/12 18:20
5M73447.D	AC64632-001(MSD	03/11/12 18:43
5M73448.D	AC64563-006(MS)	03/11/12 19:05
5M73449.D	AC64563-006(MSD	03/11/12 19:28
5M73450.D	AC64563-006	03/11/12 19:51
5M73451.D	AC64563-005	03/11/12 20:14
5M73452.D	AC64606-001	03/11/12 20:37
5M73453.D	AC64606-002	03/11/12 20:59
5M73454.D	AC64635-002	03/11/12 21:22
5M73455.D	AC64635-003	03/11/12 21:45
5M73456.D	AC64563-008	03/11/12 22:07
5M73457.D	AC64563-011	03/11/12 22:30

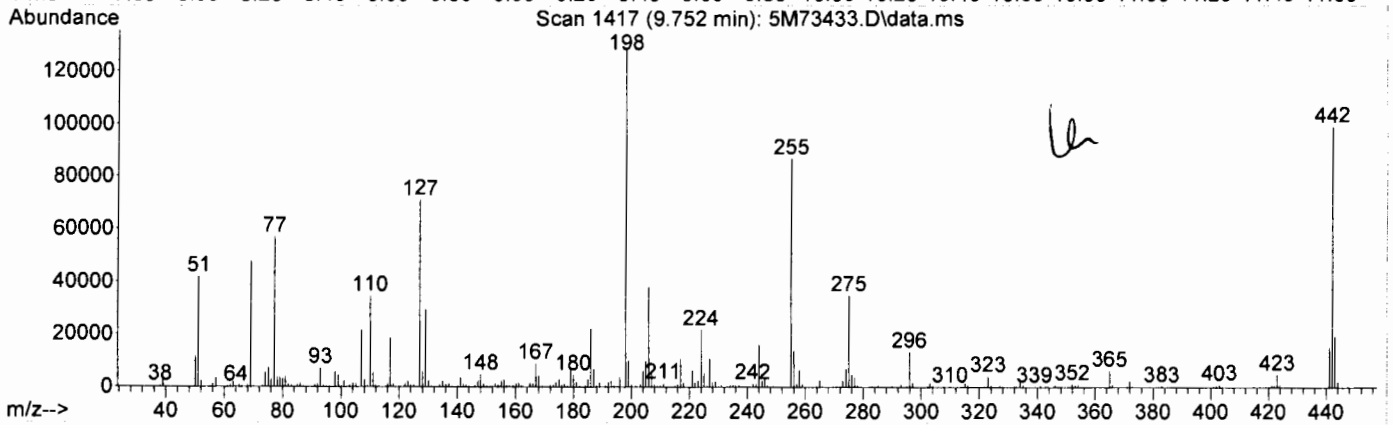
2030826 0109

Data Path : G:\GcMsData\2012\GCMS_5\Data\03-11-12\
Data File : 5M73433.D
Acq On : 11 Mar 2012 13:19
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2012\GCMS_5\MethodQt\5M_0306.M
Title : @GCMS_5,mg,625,8270
Last Update : Tue Mar 06 15:58:35 2012





Spectrum Information: Scan 1417

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	32.5	41880	PASS
68	69	0.00	2	1.8	873	PASS
69	198	0.00	100	37.1	47800	PASS
70	69	0.00	2	0.5	246	PASS
127	198	40	60	55.0	70952	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	128976	PASS
199	198	5	9	7.8	10004	PASS
275	198	10	30	27.0	34856	PASS
365	198	1	100	4.8	6231	PASS
441	443	0.01	100	78.3	15246	PASS
442	198	40	100	76.6	98840	PASS
443	442	17	23	19.7	19480	PASS

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 10

Data File: 10M28769.D
Analysis Date: 03/11/12 13:34
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.798 to 9.819 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	32.4	52978	PASS
68	69	0.00	2	1.7	1050	PASS
69	198	0.00	100	37.3	60970	PASS
70	69	0.00	2	0.5	291	PASS
127	198	40	60	46.5	76013	PASS
197	198	0.00	1	0.4	649	PASS
198	198	100	100	100.0	163478	PASS
199	198	5	9	6.9	11304	PASS
275	198	10	30	26.9	44047	PASS
365	198	1	100	3.7	6036	PASS
441	443	0.01	100	74.4	9497	PASS
442	198	40	100	40.1	65493	PASS
443	442	17	23	19.5	12761	PASS

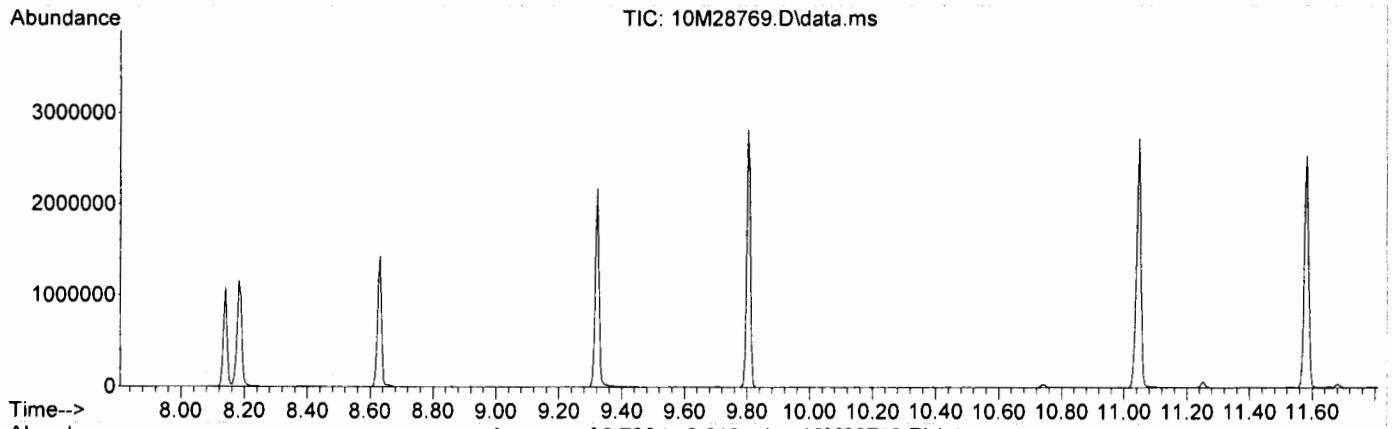
Data File	Sample Number	Analysis Date:
10M28770.D	CAL BNA@50PPM	03/11/12 14:03
10M28771.D	SMB13730	03/11/12 14:30
10M28772.D	SMB13732	03/11/12 14:52
10M28773.D	AC64635-004	03/11/12 15:15
10M28774.D	AC64635-005	03/11/12 15:37
10M28775.D	AC64563-001	03/11/12 16:00
10M28776.D	AC64563-002	03/11/12 16:22
10M28777.D	AC64563-003	03/11/12 16:45
10M28778.D	AC64563-004	03/11/12 17:07
10M28779.D	AC64563-007	03/11/12 17:29
10M28780.D	AC64563-009	03/11/12 17:52
10M28781.D	AC64563-010	03/11/12 18:14
10M28782.D	AC64563-012	03/11/12 18:37
10M28783.D	AC64563-013	03/11/12 18:59
10M28784.D	AC64563-014	03/11/12 19:22
10M28785.D	AC64563-016	03/11/12 19:44
10M28786.D	AC64591-001	03/11/12 20:06
10M28787.D	AC64591-003	03/11/12 20:29
10M28788.D	AC64662-001	03/11/12 20:51
10M28789.D	AC64634-001	03/11/12 21:14
10M28790.D	AC64635-001	03/11/12 21:36
10M28791.D	AC64549-008	03/11/12 21:59
10M28792.D	AC64549-007(5X)	03/11/12 22:21
10M28793.D	AC64605-016(10X)	03/11/12 22:43
10M28794.D	AC64605-010(10X)	03/11/12 23:06
10M28795.D	AC64554-019(50X)	03/11/12 23:28
10M28796.D	AC64661-001(5X)	03/11/12 23:51
10M28797.D	AC64563-015(3X)	03/12/12 00:13
10M28798.D	AC64635-007(3X)	03/12/12 00:36
10M28799.D	AC64635-008(3X)	03/12/12 00:58
10M28800.D	AC64635-010(3X)	03/12/12 01:20

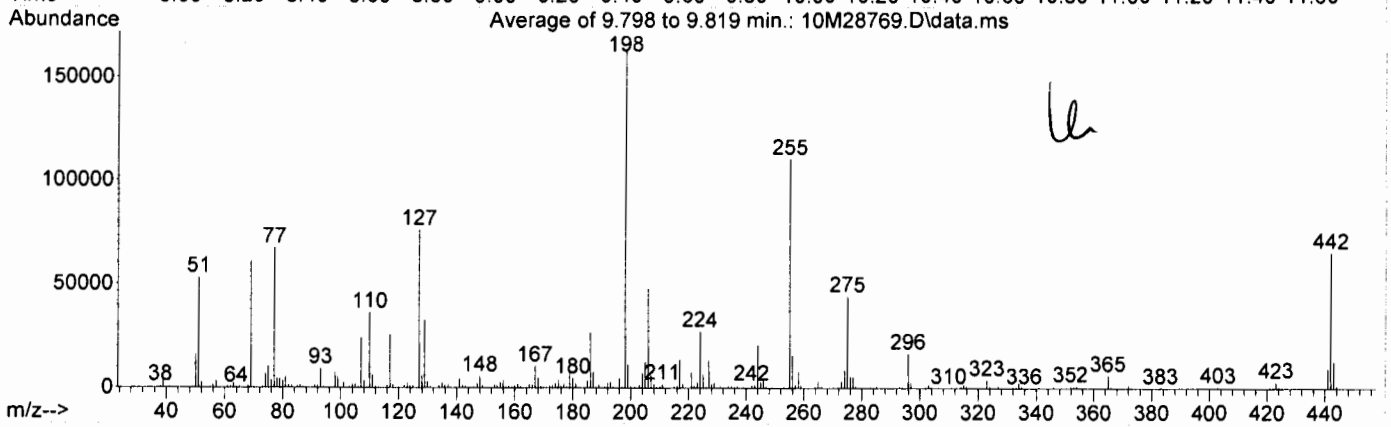
2030826 0111

Data Path : G:\GcMsData\2012\GCMS_10\Data\03-11-12\
Data File : 10M28769.D
Acq On : 11 Mar 2012 13:34
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2012\GCMS_10\MethodQt\10M_0307.M
Title : @GCMS_10,mg,625,8270
Last Update : Wed Mar 07 13:05:13 2012





Spectrum Information: Average of 9.798 to 9.819 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	32.4	52978	PASS
68	69	0.00	2	1.7	1050	PASS
69	198	0.00	100	37.3	60970	PASS
70	69	0.00	2	0.5	291	PASS
127	198	40	60	46.5	76013	PASS
197	198	0.00	1	0.4	649	PASS
198	198	100	100	100.0	163478	PASS
199	198	5	9	6.9	11304	PASS
275	198	10	30	26.9	44047	PASS
365	198	1	100	3.7	6036	PASS
441	443	0.01	100	74.4	9497	PASS
442	198	40	100	40.1	65493	PASS
443	442	17	23	19.5	12761	PASS

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 10

Data File: 10M28801.D
Analysis Date: 03/12/12 08:02
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.793 to 9.814 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	33.3	62395	PASS
68	69	0.00	2	1.6	1128	PASS
69	198	0.00	100	37.7	70593	PASS
70	69	0.00	2	0.6	394	PASS
127	198	40	60	46.2	86577	PASS
197	198	0.00	1	0.4	726	PASS
198	198	100	100	100.0	187406	PASS
199	198	5	9	6.8	12697	PASS
275	198	10	30	27.7	52002	PASS
365	198	1	100	3.7	6868	PASS
441	443	0.01	100	79.7	11690	PASS
442	198	40	100	42.1	78807	PASS
443	442	17	23	18.6	14663	PASS

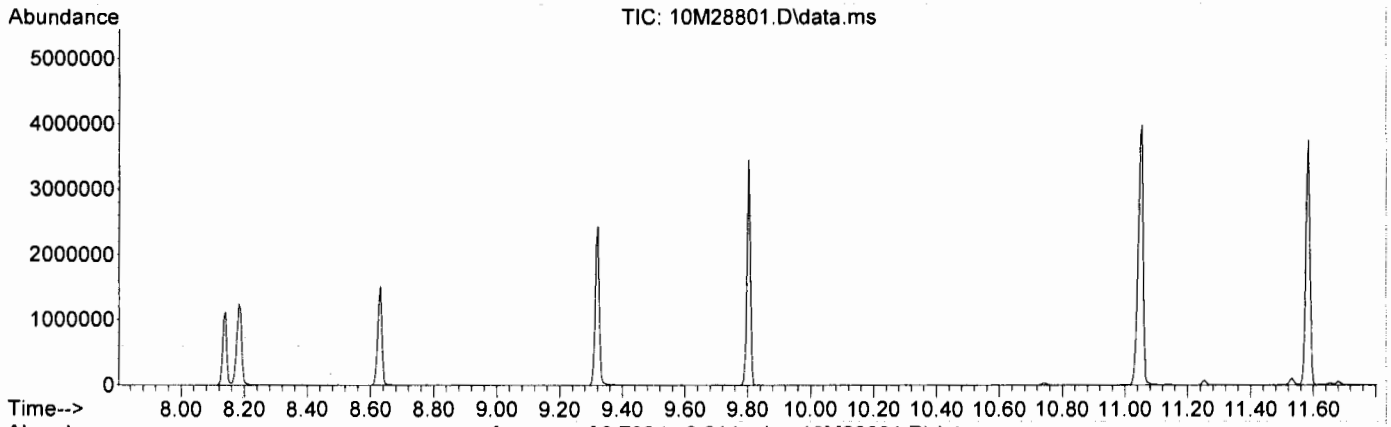
Data File	Sample Number	Analysis Date:
10M28802.D	CAL BNA@50PPM	03/12/12 08:58
10M28803.D	AC64554-004	03/12/12 09:25
10M28804.D	AC64554-023	03/12/12 09:47
10M28805.D	SMB13730	03/12/12 10:10
10M28806.D	AC64605-015(30X)	03/12/12 10:33
10M28807.D	AC64605-009(3X)	03/12/12 10:55
10M28808.D	AC64605-011(5X)	03/12/12 11:18
10M28809.D	AC64605-012(5X)	03/12/12 11:40
10M28810.D	AC64605-016(10X)	03/12/12 12:03
10M28811.D	AC64661-001(5X)	03/12/12 12:25
10M28812.D	AC64662-001(3X)	03/12/12 12:48
10M28813.D	AC64563-007(3X)	03/12/12 13:11
10M28814.D	AC64563-009(3X)	03/12/12 13:33
10M28815.D	AC64563-013(3X)	03/12/12 13:56
10M28816.D	AC64563-001(5X)	03/12/12 14:18
10M28817.D	AC64563-002(5X)	03/12/12 14:41
10M28818.D	AC64563-003(5X)	03/12/12 15:03
10M28819.D	AC64563-004(10X)	03/12/12 15:26
10M28820.D	AC64563-010(10X)	03/12/12 15:48
10M28821.D	AC64563-012(10X)	03/12/12 16:11

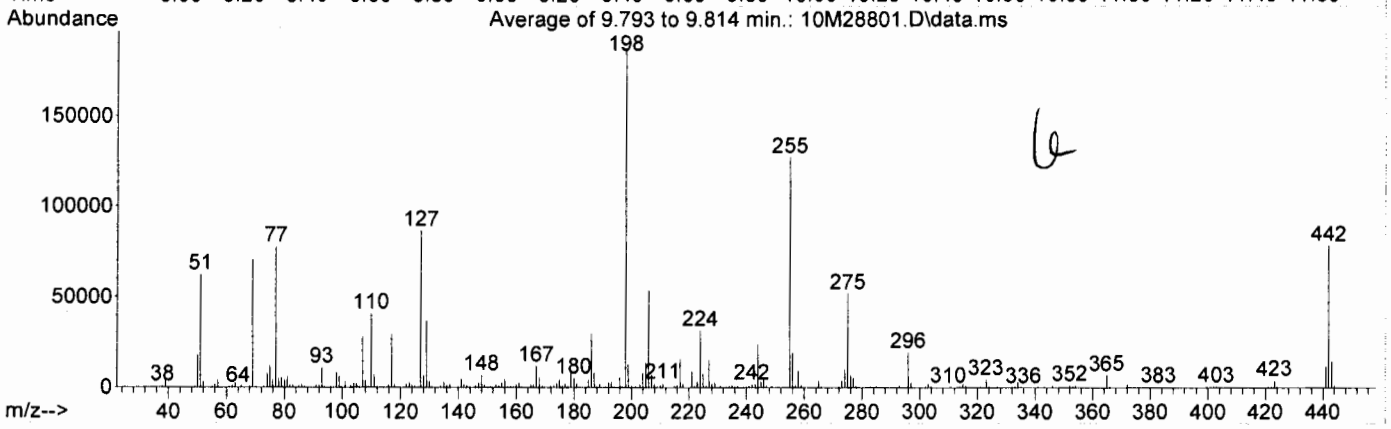
2030826 0113

Data Path : G:\GcMsData\2012\GCMS_10\Data\03-12-12\
Data File : 10M28801.D
Acq On : 12 Mar 2012 8:02
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2012\GCMS_10\MethodQt\10M_0307.M
Title : @GCMS_10,mg,625,8270
Last Update : Wed Mar 07 13:05:13 2012





Spectrum Information: Average of 9.793 to 9.814 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	33.3	62395	PASS
68	69	0.00	2	1.6	1128	PASS
69	198	0.00	100	37.7	70593	PASS
70	69	0.00	2	0.6	394	PASS
127	198	40	60	46.2	86577	PASS
197	198	0.00	1	0.4	726	PASS
198	198	100	100	100.0	187406	PASS
199	198	5	9	6.8	12697	PASS
275	198	10	30	27.7	52002	PASS
365	198	1	100	3.7	6868	PASS
441	443	0.01	100	79.7	11690	PASS
442	198	40	100	42.1	78807	PASS
443	442	17	23	18.6	14663	PASS

Form 5

Tune Name: CAL DFTPP **Data File:** 9M41982.D
Instrument: GCMS 9 **Analysis Date:** 03/14/12 08:51
Method: EPA 8270C
Tune Scan/Time Range: Average of 10.055 to 10.060 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	33.1	67772	PASS
68	69	0.00	2	1.9	1614	PASS
69	198	0.00	100	41.7	85348	PASS
70	69	0.00	2	0.5	405	PASS
127	198	40	60	50.5	103312	PASS
197	198	0.00	1	0.3	603	PASS
198	198	100	100	100.0	204768	PASS
199	198	5	9	6.9	14152	PASS
275	198	10	30	21.3	43612	PASS
365	198	1	100	1.9	3840	PASS
441	443	0.01	100	74.4	13956	PASS
442	198	40	100	45.0	92204	PASS
443	442	17	23	20.3	18760	PASS

Data File	Sample Number	Analysis Date:
9M41983.D	CAL BNA@50PPM	03/14/12 09:16
9M41984.D	WMB13749	03/14/12 09:38
9M41985.D	WMB13749(MS)	03/14/12 10:01
9M41986.D	AC64675-007	03/14/12 10:23
9M41987.D	AC64675-008(MS:	03/14/12 10:45
9M41988.D	AC64675-009(MSD	03/14/12 11:08
9M41989.D	AC64634-002	03/14/12 11:31
9M41990.D	AC64672-001	03/14/12 11:53
9M41991.D	AC64675-001	03/14/12 12:16
9M41992.D	AC64675-002	03/14/12 12:38
9M41993.D	AC64675-003	03/14/12 13:01
9M41994.D	AC64675-004	03/14/12 13:23
9M41995.D	AC64675-005	03/14/12 13:46
9M41996.D	AC64633-007	03/14/12 14:08
9M41997.D	AC64633-009	03/14/12 14:31
9M41998.D	AC64633-010	03/14/12 14:53
9M41999.D	AC64675-004(3X)	03/14/12 15:16
9M42000.D	AC64675-003(5X)	03/14/12 15:38
9M42001.D	AC64647-001	03/14/12 16:01
9M42002.D	AC64647-002	03/14/12 16:23
9M42003.D	AC64647-003	03/14/12 16:46
9M42004.D	AC64647-004	03/14/12 17:08
9M42005.D	AC64647-005	03/14/12 17:31

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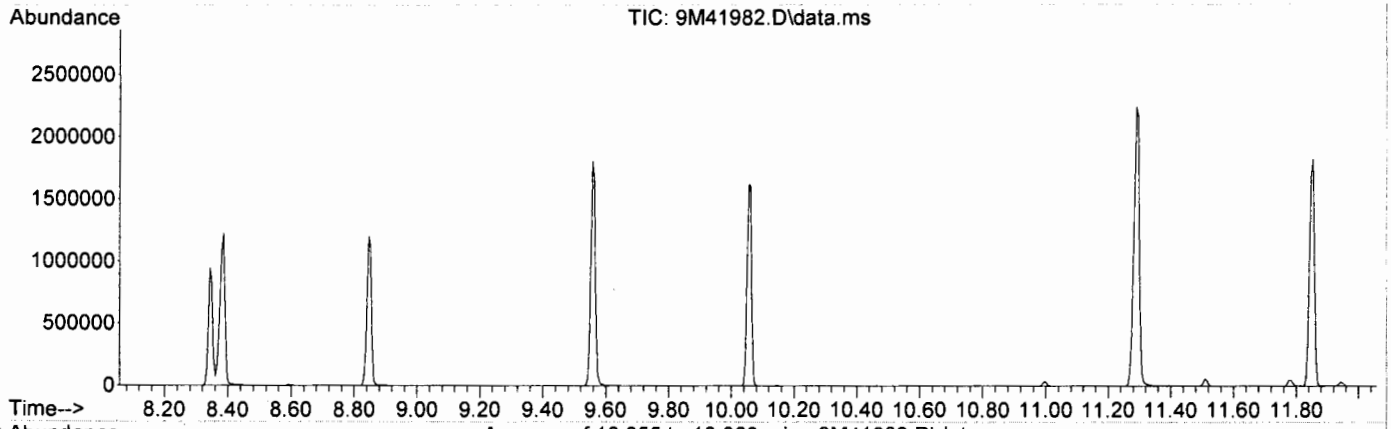
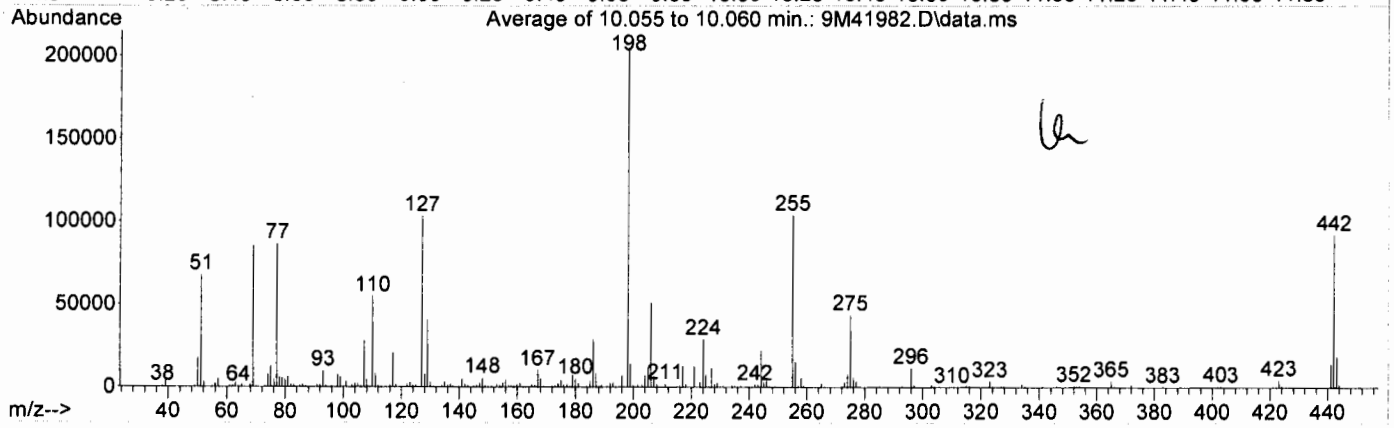
Data Path : G:\GcMsData\2012\GCMS_9\Data\03-14-12\
Data File : 9M41982.D
Acq On : 14 Mar 2012 8:51
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2012\GCMS_9\MethodQt\9M_0309.M
Title : @GCMS_9,mg,625,8270
Last Update : Fri Mar 09 13:23:00 2012





Spectrum Information: Average of 10.055 to 10.060 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	33.1	67772	PASS
68	69	0.00	2	1.9	1614	PASS
69	198	0.00	100	41.7	85348	PASS
70	69	0.00	2	0.5	405	PASS
127	198	40	60	50.5	103312	PASS
197	198	0.00	1	0.3	603	PASS
198	198	100	100	100.0	204768	PASS
199	198	5	9	6.9	14152	PASS
275	198	10	30	21.3	43612	PASS
365	198	1	100	1.9	3840	PASS
441	443	0.01	100	74.4	13956	PASS
442	198	40	100	45.0	92204	PASS
443	442	17	23	20.3	18760	PASS

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_5

20030826 0116

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	5M73344.	CAL BNA@50PPM	03/06/12 08:35	2	5M73350.	CAL BNA@2PPM	03/06/12 10:50
3	5M73348.	CAL BNA@10PPM	03/06/12 10:05	4	5M73349.	CAL BNA@20PPM	03/06/12 10:28
5	5M73352.	CAL BNA@80PPM	03/06/12 11:35	6	5M73347.	CAL BNA@120PPM	03/06/12 09:43
7	5M73346.	CAL BNA@160PPM	03/06/12 09:20	8	5M73345.	CAL BNA@196PPM	03/06/12 08:58
9	5M73351.	CAL BNA@.5PPM	03/06/12 11:13				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
1.4-Dioxane	1	0	Avg	0.5943	0.6168	0.6083	0.5485	0.5421	0.5177	0.5288	0.5616	-----	0.565	2.32	0.997	0.998	6.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pyridine	1	0	LinF	1.3644	0.1322	0.9450	1.2483	1.3005	1.3133	1.3371	1.4051	-----	1.13	2.75	0.999	0.999	38		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitrosodimethylamin	1	0	Avg	0.8597	0.5090	0.7368	0.7300	0.7726	0.7882	0.7824	0.8379	-----	0.752	2.68	0.997	0.998	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorophenol	1	0	Avg	1.2404	1.0842	1.1701	1.1538	1.1858	1.1889	1.1813	1.2802	-----	1.19	4.39	0.997	0.998	4.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzaldehyde	1	0	Qua	0.8334	0.8338	0.8960	0.8834	0.6640	0.4808	0.3805	0.2984	-----	0.659	5.24	0.851	0.994	37		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Aniline	1	0	Avg	2.0625	1.3734	1.8940	1.9253	1.9581	1.8643	1.7934	1.8722	1.3939	1.79	5.34	0.998	0.998	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Pentachloroethane	1	0	Avg	0.5048	0.4706	0.4670	0.4642	0.4495	0.4508	0.4423	0.4687	-----	0.465	5.37	0.998	0.998	4.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethyl)ether	1	0	Avg	1.3312	1.2771	1.3007	1.2254	1.2128	1.1901	1.1623	1.2339	1.2192	1.24	5.40	0.998	0.998	4.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Phenol-d5	1	0	Avg	1.7263	1.4151	1.6202	1.5415	1.6490	1.6087	1.5608	1.7213	-----	1.61	5.30	0.996	0.997	6.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol	1	0	Avg	1.9365	1.5027	1.6401	1.6506	1.7273	1.7946	1.6923	1.8761	-----	1.73	5.31	0.995	0.996	8.1	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Chlorophenol	1	0	Avg	1.5655	1.2929	1.4588	1.4360	1.4500	1.4494	1.4225	1.5104	-----	1.45	5.43	0.998	0.998	5.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Decane	1	0	Avg	1.2264	1.0989	1.1280	1.0997	1.0592	0.9824	0.9646	1.0221	-----	1.07	5.48	0.993	0.997	7.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.3-Dichlorobenzene	1	0	Avg	1.5926	1.7111	1.6092	1.6000	1.5326	1.5047	1.4955	1.5483	-----	1.57	5.57	0.999	0.999	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.4-Dichlorobenzene	1	0	Avg	1.6330	1.6745	1.6942	1.6081	1.5732	1.5350	1.4885	1.5856	-----	1.60	5.64	0.998	0.998	4.3	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2-Dichlorobenzene	1	0	Avg	1.5686	1.5760	1.5230	1.5253	1.4934	1.4328	1.4292	1.4991	-----	1.51	5.76	0.999	0.999	3.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzyl alcohol	1	0	Avg	0.9792	0.7609	0.8696	0.8940	0.9272	0.9277	0.8918	0.9572	-----	0.901	5.74	0.998	0.998	7.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-chloroisopropyl)et	1	0	Avg	1.4036	1.2362	1.3118	1.2563	1.2013	1.1711	1.1630	1.2512	-----	1.25	5.85	0.996	0.996	6.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylphenol	1	0	Avg	1.3272	1.1226	1.2927	1.2819	1.2736	1.2824	1.2508	1.3324	0.9620	1.24	5.83	0.998	0.999	9.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Acetophenone	1	0	Avg	2.2029	1.9784	2.0787	2.0187	1.9801	1.8990	1.7065	1.8483	-----	1.96	5.96	0.993	0.994	7.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachloroethane	1	0	Avg	0.6534	0.6384	0.5990	0.6135	0.5991	0.5818	0.5862	0.6083	-----	0.610	6.03	0.998	0.999	4.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitroso-di-n-propylan	1	0	Avg	1.0097	0.8726	0.9268	0.9090	0.8658	0.8377	0.7623	0.8252	0.7696	0.864	5.96	0.994	0.995	9.0	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
3&4-Methylphenol	1	0	Avg	1.4489	1.1776	1.3530	1.3157	1.2858	1.2539	1.1165	1.2156	1.1642	1.26	5.96	0.994	0.995	8.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Nitrobenzene-d5	1	0	Avg	0.1860	0.1429	0.1598	0.1687	0.1815	0.1796	0.1815	0.1828	-----	0.173	6.08	1.00	1.00	8.6		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
Nitrobenzene	1	0	Avg	0.3953	0.3251	0.3654	0.3731	0.3715	0.3481	0.3491	0.3651	-----	0.362	6.09	0.998	0.998	5.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Isophorone	1	0	Avg	0.6980	0.5549	0.6498	0.6663	0.6487	0.6378	0.6297	0.6647	-----	0.644	6.28	0.998	0.998	6.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitrophenol	1	0	Avg	0.2066	0.1526	0.1905	0.2046	0.2059	0.2051	0.2043	0.2103	-----	0.198	6.34	1.00	1.00	9.6	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dimethylphenol	1	0	Avg	0.4072	0.3395	0.3813	0.3838	0.3795	0.3740	0.3725	0.3853	-----	0.378	6.37	0.999	0.999	5.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzoic Acid	1	0	Qua	0.1585	-----	0.0596	0.1066	0.2099	0.2532	0.2781	0.3070	-----	0.196	6.45	0.980	0.999	47		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethoxy)mei	1	0	Avg	0.4278	0.4166	0.3998	0.4163	0.4012	0.3843	0.3739	0.3947	-----	0.402	6.45	0.998	0.998	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dichlorophenol	1	0	Avg	0.3457	0.2981	0.3179	0.3363	0.3343	0.3285	0.3239	0.3282	0.2575	0.319	6.52	1.00	1.00	8.3	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
1.2.4-Trichlorobenzene	1	0	Avg	0.3868	0.3715	0.3909	0.3988	0.3720	0.3610	0.3664	0.3744	-----	0.378	6.59	0.999	0.999	3.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Naphthalene	1	0	Avg	1.2042	1.1639	1.1621	1.1772	1.1528	1.0961	1.0875	1.1364	1.2028	1.15	6.66	0.999	0.999	3.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
4-Chloroaniline	1	0	Qua	0.4784	0.3604	0.4200	0.4820	0.4360	0.3664	0.3407	0.3301	0.2805	0.388	6.69	0.982	0.997	18		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Hexachlorobutadiene	1	0	Avg	0.2331	0.2514	0.2318	0.2337	0.2260	0.2179	0.2239	0.2245	-----	0.230	6.74	1.00	1.00	4.4	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Caprolactam	1	0	Qua	0.1293	0.0767	0.1220	0.1278	0.1335	0.1290	0.1023	0.1166	-----	0.117	6.97	0.989	0.994	16		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chloro-3-methylphen	1	0	Avg	0.3445	0.2643	0.3255	0.3352	0.3391	0.3219	0.3252	0.3534	-----	0.326	7.06	0.996	0.997	8.3	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylnaphthalene	1	0	Avg	0.7839	0.7401	0.7845	0.7960	0.7416	0.7339	0.7337	0.7716	-----	0.761	7.18	0.998	0.999	3.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Methylnaphthalenes (T	1	0	Avg	0.7839	0.7401	0.7845	0.7960	0.7416	0.7339	0.7337	0.7716	-----	0.761	7.18	0.998	0.999	3.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.1'-Biphenyl	1	0	Avg	0.9518	0.9403	0.9738	0.9840	0.9526	0.9346	0.8947	0.9453	-----	0.947	7.55	0.999	0.999	2.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2.4.5-Tetrachloroben	1	0	Avg	0.6880	0.7016	0.6664	0.6700	0.6622	0.6500	0.6492	0.6458	-----	0.667	7.31	1.00	1.00	3.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorocyclopentac	1	0	Avg	0.4131	0.2817	0.3283	0.3706	0.4036	0.4117	0.4227	0.4201	-----	0.382	7.30	0.999	1.00	13	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags
a - failed the spcc criteria — ** - ccc compound*
b - failed the ccc criteria — *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 8.66
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_5

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	5M73344.	CAL BNA@50PPM	03/06/12 08:35	2	5M73350.	CAL BNA@2PPM	03/06/12 10:50
3	5M73348.	CAL BNA@10PPM	03/06/12 10:05	4	5M73349.	CAL BNA@20PPM	03/06/12 10:28
5	5M73352.	CAL BNA@80PPM	03/06/12 11:35	6	5M73347.	CAL BNA@120PPM	03/06/12 09:43
7	5M73346.	CAL BNA@160PPM	03/06/12 09:20	8	5M73345.	CAL BNA@196PPM	03/06/12 08:58
9	5M73351.	CAL BNA@.5PPM	03/06/12 11:13				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
2,4,6-Trichlorophenol	1	0	Avg	0.4090	0.3183	0.3897	0.4068	0.4074	0.3919	0.3944	0.4061	-----	0.390	7.40	1.00	1.00	7.7	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4,5-Trichlorophenol	1	0	Avg	0.4435	0.3845	0.4172	0.4198	0.4340	0.4202	0.4320	0.4421	-----	0.424	7.43	0.999	1.00	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorobiphenyl	1	0	Avg	1.4651	1.4381	1.4135	1.4088	1.3656	1.3613	1.3403	1.3710	-----	1.40	7.47	0.999	0.999	3.1		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
2-Chloronaphthalene	1	0	Avg	1.2328	1.2020	1.1974	1.1939	1.1531	1.1391	1.0946	1.1325	-----	1.17	7.57	0.999	0.999	3.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,4-Dimethylnaphthalei	1	0	Avg	0.9772	0.9779	0.9632	0.9663	0.9161	0.8717	0.8163	0.8453	-----	0.917	7.85	0.997	0.998	7.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylnaphthalenes	1	0	Avg	0.9772	0.9779	0.9632	0.9663	0.9161	0.8717	0.8163	0.8453	-----	0.917	7.85	0.997	0.998	7.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diphenyl Ether	1	0	Avg	0.9468	0.9224	0.8925	0.9035	0.8746	0.8688	0.8208	0.8200	-----	0.881	7.64	0.998	0.999	5.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitroaniline	1	0	Avg	0.4294	0.3144	0.3609	0.3817	0.3865	0.3635	0.3596	0.2985	-----	0.362	7.65	0.975	0.995	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Coumarin	1	0	Avg	0.5019	0.4611	0.4734	0.4763	0.4660	0.4467	0.4052	0.4365	-----	0.458	7.84	0.995	0.995	6.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthylene	1	0	Avg	2.0024	1.7855	1.9371	1.9407	1.9117	1.8435	1.8247	1.9357	-----	1.90	7.93	0.999	0.999	3.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylphthalate	1	0	Avg	1.4501	1.3786	1.4389	1.4170	1.4361	1.3586	1.3477	1.4224	-----	1.41	7.80	0.998	0.998	2.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,6-Dinitrotoluene	1	0	Avg	0.3272	0.2670	0.3125	0.3251	0.3189	0.3084	0.3064	0.3230	-----	0.311	7.86	0.999	0.999	6.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthene	1	0	Avg	1.2877	1.2346	1.2605	1.2273	1.2054	1.1839	1.1733	1.2179	-----	1.22	8.08	0.999	0.999	3.1	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3-Nitroaniline	1	0	Avg	0.3743	0.2749	0.3473	0.3634	0.3521	0.3147	0.3045	0.3170	-----	0.331	8.01	0.996	0.996	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4-Dinitrophenol	1	0	Qua	0.2103	0.0181	0.1212	0.1633	0.2157	0.2204	0.2336	0.2491	-----	0.179	8.10	0.995	0.999	43	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzofuran	1	0	Avg	1.7983	1.7244	1.7975	1.7186	1.7175	1.6703	1.6463	1.6930	1.8940	1.74	8.23	0.999	1.00	4.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
2,4-Dinitrotoluene	1	0	Avg	0.4600	0.3292	0.4344	0.4294	0.4493	0.4364	0.4224	0.4622	-----	0.428	8.21	0.996	0.997	9.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitrophenol	1	0	Qua	0.2544	0.1249	0.2199	0.2145	0.2329	0.2217	0.2235	0.2488	-----	0.218	8.13	0.997	0.997	18	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,3,4,6-Tetrachlorophe	1	0	Avg	0.3999	0.2865	0.3956	0.3877	0.3946	0.3755	0.3831	0.3990	-----	0.378	8.33	0.999	0.999	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluorene	1	0	Avg	1.5268	1.4350	1.4971	1.4904	1.4959	1.4141	1.4186	1.4597	-----	1.47	8.55	0.999	0.999	2.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chlorophenyl-phenyl	1	0	Avg	0.7311	0.6909	0.7200	0.7215	0.7215	0.6644	0.6742	0.6976	-----	0.703	8.54	0.998	0.998	3.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diethylphthalate	1	0	Avg	1.4665	1.3755	1.4433	1.4412	1.4585	1.4378	1.3897	1.4848	-----	1.44	8.42	0.998	0.998	2.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitroaniline	1	0	Avg	0.3985	0.2401	0.3614	0.3819	0.3966	0.3776	0.3688	0.4111	-----	0.367	8.56	0.995	0.996	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Atrazine	1	0	Avg	0.4445	0.3593	0.4256	0.4372	0.4372	0.4174	0.4202	0.4404	-----	0.423	9.18	0.999	0.999	6.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4,6-Dinitro-2-methylphe	1	0	Qua	0.1472	0.0421	0.1053	0.1272	0.1410	0.1482	0.1454	0.1515	-----	0.126	8.59	0.999	0.999	29		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
n-Nitrosodiphenylamine	1	0	Avg	0.6697	0.6185	0.6459	0.6452	0.6265	0.6263	0.6070	0.6249	-----	0.633	8.65	0.999	0.999	3.1	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4,6-Tribromophenol	1	0	Avg	0.1493	0.0971	0.1370	0.1472	0.1493	0.1500	0.1516	0.1546	-----	0.142	8.78	1.00	1.00	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,2-Diphenylhydrazine	1	0	Avg	0.7435	0.6081	0.6725	0.6904	0.6498	0.6446	0.6159	0.6447	-----	0.659	8.70	0.997	0.998	6.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Bromophenyl-phenyl	1	0	Avg	0.2366	0.2182	0.2327	0.2439	0.2258	0.2298	0.2284	0.2333	-----	0.231	9.02	1.00	1.00	3.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobenzene	1	0	Avg	0.2850	0.2760	0.3001	0.2870	0.2731	0.2708	0.2695	0.2840	-----	0.281	9.08	0.999	0.999	3.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Octadecane	1	0	Avg	0.3502	0.2884	0.3154	0.3379	0.3132	0.2920	0.2823	0.2887	-----	0.309	9.36	0.997	0.998	8.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachlorophenol	1	0	Avg	0.1751	-----	0.1316	0.1552	0.1739	0.1776	0.1797	0.1897	-----	0.169	9.28	0.999	1.00	12	*(30)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Phenanthrene	1	0	Avg	1.1623	1.1457	1.1410	1.1438	1.1240	1.0891	1.0806	1.1285	-----	1.13	9.52	0.999	0.999	2.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Anthracene	1	0	Avg	1.1886	1.0751	1.1534	1.1628	1.1331	1.1305	1.1119	1.1425	-----	1.14	9.57	1.00	1.00	3.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Carbazole	1	0	Avg	1.1688	1.0109	1.1117	1.1038	1.0847	1.0954	1.0518	1.1134	-----	1.09	9.75	0.998	0.998	4.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-butylphthalate	1	0	Qua	1.3745	0.9743	1.2594	1.2928	1.2687	1.3099	1.2829	1.3527	0.6889	1.20	10.13	0.999	0.999	19		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Fluoranthene	1	0	Avg	1.3813	1.1683	1.3151	1.3346	1.3303	1.3919	1.3211	1.3914	-----	1.33	10.84	0.999	0.999	5.4	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pyrene	1	0	Avg	1.0918	1.0807	1.0762	1.0961	1.0777	0.9975	1.1098	1.0887	-----	1.08	11.11	0.997	0.998	3.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzidine	1	0	Qua	0.3985	0.1550	0.3415	0.3777	0.3464	0.2987	0.2274	-----	-----	0.307	11.01	0.922	0.999	28		50.00	2.00	10.00	20.00	80.00	120.0	160.0		
Terphenyl-d14	1	0	Avg	0.7808	0.7428	0.7625	0.7834	0.7545	0.6901	0.7756	0.7928	-----	0.760	11.30	0.995	0.997	4.3		25.00	1.00	5.00	10.00	40.00	60.00	80.00	96.00	
4,4'-DDE	1	0	Avg	0.2523	0.2517	0.2491	0.2558	0.2613	0.2353	0.2705	0.2689	-----	0.256	11.23	0.995	0.997	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags
a - failed the spcc criteria — ** - ccc compound*
b - failed the ccc criteria — *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 8.66
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

20030826 0117

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_5

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	5M73344.	CAL BNA@50PPM	03/06/12 08:35	2	5M73350.	CAL BNA@2PPM	03/06/12 10:50
3	5M73348.	CAL BNA@10PPM	03/06/12 10:05	4	5M73349.	CAL BNA@20PPM	03/06/12 10:28
5	5M73352.	CAL BNA@80PPM	03/06/12 11:35	6	5M73347.	CAL BNA@120PPM	03/06/12 09:43
7	5M73346.	CAL BNA@160PPM	03/06/12 09:20	8	5M73345.	CAL BNA@196PPM	03/06/12 08:58
9	5M73351.	CAL BNA@.5PPM	03/06/12 11:13				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
4,4'-DDD	1	0	Avg	0.3788	0.3567	0.3662	0.3847	0.3818	0.3561	0.3864	0.3864	-----	0.375	11.63	0.998	0.999	3.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Butylbenzylphthalate	1	0	Avg	0.4821	0.3050	0.4287	0.4450	0.4684	0.4500	0.4698	0.4863	-----	0.442	11.90	0.998	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4,4'-DDT	1	0	Avg	0.3550	0.2408	0.3061	0.3337	0.3490	0.3254	0.3649	0.3621	-----	0.330	11.99	0.997	0.998	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3,3'-Dichlorobenzidine	1	0	Qua	0.3750	0.2267	0.3549	0.3438	0.3257	0.3068	0.2704	-----	-----	0.315	12.52	0.982	0.999	16		50.00	2.00	10.00	20.00	80.00	120.0	160.0		
Benzo[a]anthracene	1	0	Avg	1.1345	1.0826	1.0790	1.0710	1.0842	1.0809	1.0723	1.1344	-----	1.09	12.54	0.998	0.999	2.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Chrysene	1	0	Avg	1.0768	1.0539	1.0341	1.0185	1.0006	0.9968	0.9962	1.0673	-----	1.03	12.59	0.997	0.998	3.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Ethylhexyl)phthal	1	0	Avg	0.6950	0.4493	0.6097	0.6320	0.6598	0.6476	0.6446	0.6692	-----	0.626	12.60	0.999	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-octylphthalate	1	0	Qua	1.0452	0.4939	0.8452	0.9258	1.0602	1.0679	1.2002	1.1660	-----	0.976	13.39	0.996	0.998	23	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[b]fluoranthene	1	0	Avg	1.1364	0.9538	1.0503	1.1290	1.0906	1.0991	1.2318	1.2182	-----	1.11	13.81	0.996	0.998	8.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[k]fluoranthene	1	0	Avg	1.1695	1.0311	1.1447	1.1108	1.1581	1.0876	1.1241	1.1459	-----	1.12	13.85	0.999	0.999	4.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]pyrene	1	0	Avg	1.1056	0.9013	1.0103	1.0455	1.0909	1.0850	1.0686	1.1800	-----	1.06	14.19	0.996	0.997	7.6	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Indeno[1,2,3-cd]pyrene	1	0	Avg	1.2838	0.9671	1.0933	1.0803	1.2403	1.3542	1.0064	1.1392	-----	1.15	15.51	0.975	0.980	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzo[a,h]anthracen	1	0	Avg	1.0403	0.7531	0.8831	0.8536	0.9876	1.1515	0.8297	0.9263	-----	0.928	15.53	0.970	0.977	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[g,h,i]perylene	1	0	Avg	1.1070	0.9181	1.0027	0.9744	1.0500	1.1536	0.8587	0.9633	-----	1.00	15.87	0.975	0.981	9.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags
a - failed the spcc criteria ** - ccc compound*
b - failed the ccc criteria *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 8.66
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

20030826 0118

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_10

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	10M28642.	CAL BNA@50PPM	03/07/12 12:41	2	10M28641.	CAL BNA@2PPM	03/07/12 12:17
3	10M28639.	CAL BNA@10PPM	03/07/12 11:32	4	10M28638.	CAL BNA@20PPM	03/07/12 11:10
5	10M28637.	CAL BNA@80PPM	03/07/12 10:47	6	10M28636.	CAL BNA@120PPM	03/07/12 10:25
7	10M28635.	CAL BNA@160PPM	03/07/12 10:03	8	10M28634.	CAL BNA@196PPM	03/07/12 09:40
9	10M28640.	CAL BNA@.5PPM	03/07/12 11:55				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
1.4-Dioxane	1	0	Avg	0.4767	0.3260	0.5291	0.5186	0.4427	0.4609	0.4334	0.4787	-----	0.458	2.43	0.995	0.996	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pyridine	1	0	LinF	1.2312	0.5661	1.1382	1.2462	1.1864	1.2256	1.1731	1.2929	-----	1.13	2.89	0.996	0.997	21		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitrosodimethylamin	1	0	LinF	0.7352	0.3897	0.6771	0.7313	0.7338	0.7120	0.7139	0.7781	-----	0.684	2.82	0.996	0.998	18		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorophenol	1	0	Avg	1.1807	1.1062	1.1353	1.1757	1.2029	1.2320	1.2514	1.3857	-----	1.21	4.48	0.994	0.999	7.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzaldehyde	1	0	Qua	0.7356	0.9463	0.9899	1.0248	0.6738	0.4498	0.3124	0.1958	-----	0.666	5.32	0.744	0.993	48		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Aniline	1	0	Avg	1.8116	1.3789	1.8797	1.8740	1.9189	1.7790	1.7848	1.8183	1.3626	1.73	5.41	0.999	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Pentachloroethane	1	0	Avg	0.4918	0.4250	0.5030	0.4680	0.4951	0.5023	0.4987	0.5445	-----	0.491	5.44	0.996	0.999	6.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethyl)ether	1	0	Avg	1.2872	1.2206	1.3492	1.2762	1.3222	1.3064	1.3077	1.4285	1.3362	1.31	5.47	0.996	0.998	4.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Phenol-d5	1	0	Avg	1.5206	1.4685	1.5491	1.5124	1.5820	1.6244	1.6740	1.8303	-----	1.60	5.37	0.994	0.999	7.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol	1	0	Avg	1.8136	1.5777	1.7297	1.7156	1.8385	1.8885	1.9719	2.1324	-----	1.83	5.39	0.995	0.999	9.3	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Chlorophenol	1	0	Avg	1.4267	1.1538	1.4058	1.3193	1.4015	1.4095	1.4183	1.5654	-----	1.39	5.51	0.995	0.998	8.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Decane	1	0	Avg	1.2179	1.2296	1.2191	1.2389	1.2433	1.2512	1.2176	1.3134	-----	1.24	5.55	0.998	0.999	2.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.3-Dichlorobenzene	1	0	Avg	1.5529	1.5290	1.4941	1.4927	1.6171	1.6373	1.6954	1.8818	-----	1.61	5.64	0.993	0.999	8.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.4-Dichlorobenzene	1	0	Avg	1.5376	1.5270	1.4924	1.5845	1.6425	1.7403	1.7394	1.9421	-----	1.65	5.70	0.993	0.998	9.1	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2-Dichlorobenzene	1	0	Avg	1.4452	1.3809	1.4370	1.4501	1.5665	1.6371	1.6845	1.8705	-----	1.56	5.82	0.992	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzyl alcohol	1	0	Avg	0.8742	0.7102	0.8739	0.8692	0.9198	0.9416	0.9773	1.0722	-----	0.905	5.81	0.993	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-chloroisopropyl)et	1	0	Avg	1.3602	1.4068	1.3918	1.3216	1.3250	1.2581	1.2618	1.3228	-----	1.33	5.91	0.998	0.999	4.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylphenol	1	0	Avg	1.2136	1.1392	1.2572	1.2079	1.2940	1.2749	1.3370	1.4243	1.2488	1.27	5.90	0.996	0.999	6.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Acetophenone	1	0	Avg	2.2659	2.0660	2.1941	2.0939	2.5099	2.6699	2.6704	2.8705	-----	2.42	6.02	0.996	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachloroethane	1	0	Avg	0.6655	0.6175	0.6913	0.6545	0.6884	0.7155	0.7163	0.7673	-----	0.690	6.10	0.997	0.999	6.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitroso-di-n-propylan	1	0	Avg	1.1939	1.0795	1.0945	1.0859	1.2582	1.2741	1.2791	1.3547	1.2265	1.21	6.02	0.998	1.00	8.2	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
3&4-Methylphenol	1	0	Avg	1.3646	1.1585	1.2906	1.2818	1.5401	1.6371	1.6826	1.7582	1.3849	1.46	6.02	0.996	1.00	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Nitrobenzene-d5	1	0	Avg	0.1626	0.1663	0.1562	0.1640	0.1609	0.1617	0.1638	0.1753	-----	0.164	6.14	0.997	0.999	3.3		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
Nitrobenzene	1	0	Avg	0.4148	0.4119	0.4240	0.4294	0.4328	0.4212	0.4218	0.4597	-----	0.427	6.16	0.996	0.998	3.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Isophorone	1	0	Avg	0.7357	0.7050	0.7020	0.7095	0.7567	0.7418	0.7584	0.8131	-----	0.740	6.34	0.997	0.999	5.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitrophenol	1	0	Avg	0.2033	0.1735	0.1948	0.1982	0.2091	0.2106	0.2165	0.2378	-----	0.206	6.40	0.996	0.999	9.0	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dimethylphenol	1	0	Avg	0.3898	0.3628	0.3692	0.3848	0.4052	0.4092	0.4223	0.4485	-----	0.399	6.43	0.997	1.00	7.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzoic Acid	1	0	Qua	0.2145	0.0986	0.1684	0.1927	0.2580	0.2670	0.2805	0.3103	-----	0.224	6.50	0.989	0.999	31		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethoxy)met	1	0	Avg	0.4177	0.4086	0.4027	0.4142	0.4382	0.4338	0.4563	0.4932	-----	0.433	6.50	0.995	0.999	6.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dichlorophenol	1	0	Avg	0.3325	0.3238	0.3302	0.3262	0.3511	0.3557	0.3819	0.4126	0.3825	0.355	6.59	0.993	1.00	8.8	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
1.2.4-Trichlorobenzene	1	0	Avg	0.4065	0.3886	0.3862	0.3865	0.4277	0.4518	0.4693	0.5258	-----	0.430	6.65	0.990	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Naphthalene	1	0	Avg	1.0554	1.0445	1.0171	1.0286	1.1177	1.1604	1.1892	1.3335	1.1735	1.12	6.71	0.992	0.999	9.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
4-Chloroaniline	1	0	Avg	0.4003	0.3546	0.4077	0.4224	0.4195	0.3609	0.3590	0.3432	0.3851	0.384	6.75	0.994	0.999	7.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Hexachlorobutadiene	1	0	Avg	0.2462	0.2523	0.2318	0.2446	0.2714	0.2744	0.2953	0.3301	-----	0.268	6.79	0.989	0.999	12	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Caprolactam	1	0	Avg	0.1198	0.1033	0.1175	0.1190	0.1208	0.1116	0.1019	0.1088	-----	0.113	7.02	0.995	0.996	6.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chloro-3-methylphen	1	0	Avg	0.3286	0.3348	0.3166	0.3293	0.3466	0.3414	0.3731	0.3968	-----	0.346	7.11	0.994	0.999	7.7	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylnaphthalene	1	0	Avg	0.7412	0.7208	0.7022	0.7314	0.8232	0.8389	0.9069	0.9905	-----	0.807	7.24	0.991	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Methylnaphthalenes (T	1	0	Avg	0.7412	0.7208	0.7022	0.7306	0.8237	0.8391	0.9070	0.9921	-----	0.807	7.24	0.991	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.1'-Biphenyl	1	0	Avg	0.9332	0.9316	0.8923	0.9594	1.0364	1.0460	1.1493	1.2963	-----	1.03	7.61	0.986	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2.4.5-Tetrachloroben:	1	0	Qua	0.6718	0.6587	0.6563	0.6801	0.7523	0.7950	0.8616	0.9617	-----	0.755	7.36	0.987	0.999	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorocyclopentac	1	0	Qua	0.2619	0.0817	0.1851	0.2281	0.3411	0.3766	0.4123	0.4517	-----	0.292	7.35	0.977	0.999	43	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags
a - failed the spcc criteria — ** - ccc compound*
b - failed the ccc criteria — *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 12.2
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

20030826 0119

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_10

20030826 0120

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	10M28642.	CAL BNA@50PPM	03/07/12 12:41	2	10M28641.	CAL BNA@2PPM	03/07/12 12:17
3	10M28639.	CAL BNA@10PPM	03/07/12 11:32	4	10M28638.	CAL BNA@20PPM	03/07/12 11:10
5	10M28637.	CAL BNA@80PPM	03/07/12 10:47	6	10M28636.	CAL BNA@120PPM	03/07/12 10:25
7	10M28635.	CAL BNA@160PPM	03/07/12 10:03	8	10M28634.	CAL BNA@196PPM	03/07/12 09:40
9	10M28640.	CAL BNA@.5PPM	03/07/12 11:55				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
2.4.6-Trichlorophenol	1	0	Avg	0.4152	0.3998	0.4087	0.4256	0.4468	0.4593	0.4947	0.5644	-----	0.452	7.46	0.988	0.999	12	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4.5-Trichlorophenol	1	0	Avg	0.4468	0.3902	0.3996	0.4288	0.4837	0.4828	0.5095	0.5804	-----	0.465	7.49	0.988	0.998	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorobiphenyl	1	0	Avg	1.3032	1.2434	1.2735	1.3307	1.3827	1.4371	1.4758	1.6122	-----	1.38	7.52	0.994	1.00	8.8		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
2-Chloronaphthalene	1	0	Avg	1.1823	1.1124	1.1062	1.1758	1.2832	1.3252	1.4155	1.5595	-----	1.27	7.63	0.991	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,4-Dimethylnaphthalei	1	0	Qua	0.9568	0.8905	0.8994	0.9580	1.1288	1.2253	1.3114	1.4072	-----	1.10	7.90	0.991	1.00	18		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylnaphthalenes	1	0	Qua	0.9568	0.8905	0.8994	0.9580	1.1288	1.2253	1.3114	1.4072	-----	1.10	7.90	0.991	1.00	18		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diphenyl Ether	1	0	Qua	0.8874	0.8528	0.8083	0.8590	0.9918	1.1307	1.2162	1.3509	-----	1.01	7.69	0.986	1.00	20		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitroaniline	1	0	Avg	0.4933	0.5033	0.4961	0.4995	0.5283	0.4980	0.5207	0.5628	-----	0.513	7.71	0.995	0.998	4.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Coumarin	1	0	Qua	0.4581	0.4283	0.4147	0.4478	0.5540	0.5840	0.6411	0.6825	-----	0.526	7.89	0.991	1.00	20		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthylene	1	0	Avg	1.7980	1.7094	1.7307	1.7764	1.9810	2.0564	2.1817	2.5125	-----	1.97	7.98	0.987	0.999	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylphthalate	1	0	Avg	1.4041	1.2983	1.3662	1.4130	1.5247	1.5490	1.6623	1.8137	-----	1.50	7.85	0.992	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,6-Dinitrotoluene	1	0	Avg	0.3257	0.2821	0.2975	0.3260	0.3629	0.3617	0.3885	0.4168	-----	0.345	7.91	0.994	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthene	1	0	Avg	1.1689	1.2028	1.1494	1.1791	1.3330	1.3703	1.5110	1.6600	-----	1.32	8.13	0.988	0.999	14	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3-Nitroaniline	1	0	Avg	0.3207	0.2984	0.2957	0.3378	0.3327	0.2897	0.2915	0.3017	-----	0.309	8.06	0.997	0.998	6.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4-Dinitrophenol	1	0	Qua	0.1754	-----	0.1191	0.1493	0.2091	0.2079	0.2292	0.2500	-----	0.191	8.16	0.991	0.999	24	**(0.050)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzofuran	1	0	Avg	1.6441	1.6150	1.6219	1.6669	1.8399	1.8981	2.1089	2.3734	1.8585	1.85	8.28	0.985	0.999	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
2,4-Dinitrotoluene	1	0	Qua	0.4161	0.3337	0.3931	0.4204	0.4506	0.4507	0.5122	0.5880	-----	0.446	8.27	0.980	0.998	17		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitrophenol	1	0	LinF	0.2760	0.2096	0.2441	0.2556	0.3129	0.2923	0.3114	0.3368	-----	0.280	8.19	0.995	0.999	15	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,3,4,6-Tetrachlorophe	1	0	Qua	0.3566	0.3062	0.3454	0.3561	0.4090	0.4099	0.4444	0.5089	-----	0.392	8.39	0.985	0.998	16		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluorene	1	0	Qua	1.4610	1.3377	1.3477	1.4098	1.7168	1.7458	1.9249	2.2108	-----	1.64	8.61	0.982	0.998	19		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chlorophenyl-phenyl	1	0	Qua	0.7124	0.6833	0.6793	0.6863	0.8428	0.8681	0.9727	1.1111	-----	0.820	8.59	0.981	0.999	20		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diethylphthalate	1	0	Avg	1.4910	1.3634	1.3999	1.4602	1.6617	1.6076	1.7800	1.9628	-----	1.59	8.47	0.989	0.998	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitroaniline	1	0	Avg	0.3331	0.2636	0.3221	0.3329	0.3625	0.3283	0.3481	0.3856	-----	0.335	8.62	0.992	0.996	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Atrazine	1	0	Avg	0.3954	0.4187	0.4127	0.4155	0.4483	0.3976	0.4624	0.4907	-----	0.430	9.24	0.990	0.996	7.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4,6-Dinitro-2-methylphe	1	0	Qua	0.1345	0.0587	0.1056	0.1128	0.1409	0.1412	0.1533	0.1732	-----	0.128	8.65	0.990	0.999	27		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
n-Nitrosodiphenylamine	1	0	Qua	0.6423	0.5444	0.5950	0.6193	0.6876	0.7169	0.7675	0.8626	-----	0.679	8.71	0.988	0.999	15	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4,6-Tribromophenol	1	0	Qua	0.0885	0.0783	0.0876	0.0904	0.0974	0.1037	0.1125	0.1302	-----	0.0986	8.84	0.981	0.998	17		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,2-Diphenylhydrazine	1	0	Avg	0.8514	0.7869	0.7885	0.7863	0.8296	0.9206	0.9368	1.0263	-----	0.866	8.74	0.993	0.999	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Bromophenyl-phenyl	1	0	Qua	0.2240	0.2078	0.2160	0.2103	0.2445	0.2530	0.2830	0.3272	-----	0.246	9.08	0.980	0.998	17		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobenzene	1	0	Qua	0.2204	0.2055	0.2198	0.2255	0.2486	0.2598	0.2888	0.3268	-----	0.249	9.14	0.983	0.999	17		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Octadecane	1	0	Avg	0.4017	0.3594	0.3534	0.3734	0.4064	0.4214	0.4292	0.4762	-----	0.403	9.40	0.993	0.999	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachlorophenol	1	0	Qua	0.1307	-----	0.1006	0.1174	0.1493	0.1533	0.1738	0.1933	-----	0.146	9.34	0.986	0.999	22	*(30)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Phenanthrene	1	0	Avg	1.0808	1.0003	1.0138	1.0250	1.1820	1.2010	1.3246	1.4657	-----	1.16	9.57	0.988	0.999	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Anthracene	1	0	Avg	1.1180	1.0170	1.0425	1.0422	1.2016	1.2415	1.3524	1.5077	-----	1.19	9.63	0.988	0.999	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Carbazole	1	0	Avg	1.0415	0.9006	0.9345	0.9704	1.0837	1.0942	1.2168	1.3222	-----	1.07	9.80	0.990	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-butylphthalate	1	0	Avg	1.4205	1.1638	1.2829	1.2959	1.5115	1.5049	1.6746	1.8470	1.3168	1.45	10.17	0.989	0.999	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Fluoranthene	1	0	Avg	1.2693	1.0719	1.2119	1.1974	1.3928	1.3580	1.5485	1.6901	-----	1.34	10.90	0.988	0.999	15	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pyrene	1	0	Avg	1.2631	1.2854	1.2901	1.2737	1.3470	1.3761	1.3909	1.5160	-----	1.34	11.16	0.995	0.999	6.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzidine	1	0	Qua	0.3336	0.2532	0.3975	0.4139	0.3160	0.2697	0.2246	0.2375	-----	0.306	11.06	0.966	0.993	24		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Terphenyl-d14	1	0	Avg	0.7878	0.7700	0.8125	0.8417	0.8079	0.7971	0.8135	0.8902	-----	0.815	11.34	0.995	0.998	4.5		25.00	1.00	5.00	10.00	40.00	60.00	80.00	96.00	
4,4'-DDE	1	0	Avg	0.3019	0.2712	0.2878	0.3114	0.3335	0.3475	0.3749	0.4149	-----	0.330	11.28	0.989	0.999	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria — ** - ccc compound*

b - failed the ccc criteria — *** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 12.2

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_10

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	10M28642.	CAL BNA@50PPM	03/07/12 12:41	2	10M28641.	CAL BNA@2PPM	03/07/12 12:17
3	10M28639.	CAL BNA@10PPM	03/07/12 11:32	4	10M28638.	CAL BNA@20PPM	03/07/12 11:10
5	10M28637.	CAL BNA@80PPM	03/07/12 10:47	6	10M28636.	CAL BNA@120PPM	03/07/12 10:25
7	10M28635.	CAL BNA@160PPM	03/07/12 10:03	8	10M28634.	CAL BNA@196PPM	03/07/12 09:40
9	10M28640.	CAL BNA@.5PPM	03/07/12 11:55				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
4.4'-DDD	1	0	Avg	0.4458	0.4307	0.4271	0.4397	0.4705	0.4721	0.4955	0.5530	-----	0.467	11.68	0.991	0.998	9.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Butylbenzylphthalate	1	0	Avg	0.6188	0.5689	0.5765	0.5993	0.6303	0.6181	0.6406	0.6923	-----	0.618	11.93	0.996	0.999	6.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4.4'-DDT	1	0	Qua	0.4378	0.3536	0.3847	0.4020	0.4814	0.5028	0.5191	0.5735	-----	0.457	12.03	0.993	0.999	16		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3.3'-Dichlorobenzidine	1	0	Qua	0.3228	0.2686	0.3307	0.3508	0.3007	0.3031	0.2749	0.2968	-----	0.306	12.56	0.996	0.996	9.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]anthracene	1	0	Avg	1.1247	1.1624	1.1047	1.1100	1.1692	1.1653	1.1706	1.2487	-----	1.16	12.58	0.998	0.999	4.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Chrysene	1	0	Avg	1.0931	0.9615	1.0349	1.0422	1.2111	1.2170	1.2149	1.3035	-----	1.13	12.62	0.997	0.999	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Ethylhexyl)phthal	1	0	Avg	0.9573	0.8376	0.8653	0.8975	1.0806	1.0282	1.0834	1.1807	-----	0.991	12.62	0.994	0.998	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-octylphthalate	1	0	Qua	1.5863	1.3078	1.4673	1.5257	1.7915	1.8081	2.1330	2.3322	-----	1.74	13.37	0.983	0.999	20	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[b]fluoranthene	1	0	Avg	1.1895	1.0865	1.1176	1.1348	1.2842	1.3713	1.3819	1.5489	-----	1.26	13.79	0.992	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[k]fluoranthene	1	0	Avg	1.1926	1.0177	1.0401	1.0947	1.2266	1.3107	1.4176	1.5221	-----	1.23	13.82	0.992	1.00	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]pyrene	1	0	Avg	1.1269	1.0139	0.9788	1.0616	1.1525	1.2836	1.2738	1.4050	-----	1.16	14.14	0.994	0.999	13	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Indeno[1.2.3-cd]pyrene	1	0	Qua	1.1109	0.9627	0.9783	1.0405	1.1238	1.3798	1.2966	1.4699	-----	1.17	15.45	0.989	0.998	16		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzo[a.h]anthracen	1	0	Qua	0.8974	0.7845	0.7807	0.8493	0.8773	1.1998	1.1215	1.2758	-----	0.973	15.47	0.984	0.994	20		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[g.h.i]perylene	1	0	Avg	0.9711	0.8870	0.9062	0.9190	0.9830	1.0838	0.9966	1.1243	-----	0.984	15.81	0.996	0.998	8.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags
a - failed the spcc criteria ** - ccc compound*
b - failed the ccc criteria *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 12.2
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

20030826 0121

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_9

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	9M41873.	CAL BNA@50PPM	03/09/12 09:57	2	9M41881.	CAL BNA@2PPM	03/09/12 12:59
3	9M41879.	CAL BNA@10PPM	03/09/12 12:13	4	9M41878.	CAL BNA@20PPM	03/09/12 11:51
5	9M41877.	CAL BNA@80PPM	03/09/12 11:28	6	9M41876.	CAL BNA@120PPM	03/09/12 11:05
7	9M41875.	CAL BNA@160PPM	03/09/12 10:43	8	9M41874.	CAL BNA@196PPM	03/09/12 10:20
9	9M41880.	CAL BNA@.5PPM	03/09/12 12:36				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
1.4-Dioxane	1	0	Avg	0.5458	0.6534	0.5047	0.5487	0.4975	0.4943	0.4647	0.4980	-----	0.526	2.66	0.997	0.997	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pyridine	1	0	Avg	1.6338	1.4274	1.4607	1.5264	1.6080	1.5169	1.5524	1.6451	-----	1.55	3.12	0.998	0.998	5.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitrosodimethylamin	1	0	Avg	0.9795	0.7277	0.8381	0.8540	0.9410	0.9388	0.9775	0.9667	-----	0.903	3.05	0.999	1.00	9.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorophenol	1	0	Avg	1.4354	1.2070	1.2266	1.2792	1.4126	1.3616	1.4045	1.5259	-----	1.36	4.65	0.996	0.998	8.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzaldehyde	1	0	Qua	0.8892	1.0212	1.0824	1.0949	0.7299	0.3770	0.2409	0.1092	-----	0.693	5.48	0.716	0.994	57		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Aniline	1	0	Avg	2.4600	1.7457	2.3850	2.3031	2.2432	2.0122	2.0152	2.0807	1.7108	2.11	5.57	0.997	0.997	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Pentachloroethane	1	0	Avg	0.5252	0.5052	0.5080	0.4957	0.4999	0.4673	0.4766	0.5061	-----	0.498	5.62	0.997	0.998	3.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethyl)ether	1	0	Avg	1.4736	1.4674	1.4704	1.4812	1.3150	1.2977	1.3252	1.3904	1.5337	1.42	5.63	0.998	0.998	6.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Phenol-d5	1	0	Avg	2.0389	1.8646	1.8833	1.9187	1.9034	1.8618	1.9707	2.0345	-----	1.93	5.54	0.998	0.999	3.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol	1	0	Avg	2.3367	1.9574	1.9884	2.0108	2.0407	1.9007	2.0169	2.1414	-----	2.05	5.55	0.995	0.996	6.6	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Chlorophenol	1	0	Avg	1.6721	1.4220	1.5487	1.5632	1.5213	1.5355	1.4429	1.6204	-----	1.54	5.67	0.994	0.995	5.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Decane	1	0	Avg	1.3818	1.4575	1.4005	1.4578	1.2491	1.1625	1.1716	1.1785	-----	1.31	5.72	0.998	0.998	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.3-Dichlorobenzene	1	0	Avg	1.6501	1.6697	1.6092	1.5895	1.5990	1.4917	1.4606	1.5275	-----	1.57	5.81	0.998	0.998	4.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.4-Dichlorobenzene	1	0	Avg	1.6193	1.6445	1.7141	1.6202	1.4897	1.4599	1.4314	1.5401	-----	1.56	5.87	0.997	0.998	6.4	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2-Dichlorobenzene	1	0	Avg	1.6491	1.6751	1.5965	1.6023	1.5733	1.4442	1.3738	1.4588	-----	1.55	6.00	0.996	0.996	7.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzyl alcohol	1	0	Avg	1.1363	0.9238	1.0363	1.0669	1.0814	1.0279	1.0247	1.0482	-----	1.04	5.97	0.999	0.999	5.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-chloroisopropyl)et	1	0	Avg	1.7192	1.7948	1.7902	1.7608	1.7001	1.5486	1.5832	1.6310	-----	1.69	6.09	0.998	0.998	5.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylphenol	1	0	Avg	1.5893	1.3861	1.5666	1.5697	1.4885	1.3799	1.3904	1.5094	1.5976	1.50	6.06	0.996	0.997	6.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Acetophenone	1	0	Avg	2.3212	2.4037	2.3322	2.3330	2.2284	1.9461	1.9028	2.0014	-----	2.18	6.19	0.995	0.996	9.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachloroethane	1	0	Avg	0.6508	0.6150	0.6611	0.6603	0.6594	0.5870	0.6055	0.6381	-----	0.635	6.27	0.997	0.997	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitroso-di-n-propylan	1	0	Avg	1.1969	1.0972	1.1570	1.1826	1.1308	0.9997	0.9845	1.0243	1.1400	1.10	6.19	0.996	0.997	7.3	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
3&4-Methylphenol	1	0	Avg	1.6172	1.4134	1.5220	1.6017	1.5678	1.3566	1.3496	1.4162	1.4582	1.48	6.18	0.996	0.996	6.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Nitrobenzene-d5	1	0	Avg	0.1751	0.1171	0.1577	0.1698	0.1599	0.1583	0.1642	0.1674	-----	0.159	6.31	0.999	0.999	11		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
Nitrobenzene	1	0	Avg	0.4101	0.3664	0.3923	0.3860	0.3608	0.3725	0.3542	0.3746	-----	0.377	6.32	0.998	0.998	4.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Isophorone	1	0	Avg	0.6948	0.5802	0.7470	0.6857	0.6947	0.7132	0.6904	0.7047	-----	0.689	6.51	1.00	1.00	7.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitrophenol	1	0	Avg	0.1982	0.1485	0.1930	0.1929	0.1941	0.2112	0.1982	0.2117	-----	0.194	6.57	0.999	0.999	10	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dimethylphenol	1	0	Avg	0.3933	0.3468	0.3784	0.3854	0.3614	0.3683	0.3624	0.3731	-----	0.371	6.59	0.999	0.999	4.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzoic Acid	1	0	Qua	0.3007	0.0505	0.1929	0.2551	0.3191	0.3627	0.3460	0.3805	-----	0.276	6.67	0.993	0.998	40		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethoxy)met	1	0	Avg	0.4414	0.4183	0.4562	0.4647	0.3865	0.3945	0.3818	0.4126	-----	0.420	6.67	0.996	0.997	7.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dichlorophenol	1	0	Avg	0.3139	0.2449	0.2971	0.3166	0.2954	0.3025	0.2976	0.3151	0.2875	0.297	6.75	0.999	0.999	7.4	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
1.2.4-Trichlorobenzene	1	0	Avg	0.3267	0.3534	0.3400	0.3351	0.3120	0.3282	0.3080	0.3167	-----	0.328	6.82	0.999	0.999	4.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Naphthalene	1	0	Avg	1.1216	1.1760	1.0821	1.1106	0.9621	1.0170	0.9678	1.0000	1.2778	1.08	6.89	0.998	0.998	9.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
4-Chloroaniline	1	0	Avg	0.4744	0.3753	0.4601	0.4993	0.4233	0.3795	0.4578	0.3284	0.3907	0.421	6.92	0.955	0.969	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Hexachlorobutadiene	1	0	Avg	0.1631	0.1680	0.1584	0.1623	0.1533	0.1638	0.1562	0.1687	-----	0.162	6.97	0.997	0.998	3.4	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Caprolactam	1	0	Qua	0.1488	0.0918	0.1366	0.1480	0.1472	0.1213	0.1190	0.1099	-----	0.128	7.20	0.984	0.997	16		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chloro-3-methylphen	1	0	Avg	0.3718	0.3143	0.3389	0.3439	0.3386	0.3674	0.3329	0.3595	-----	0.346	7.28	0.996	0.996	5.6	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylnaphthalene	1	0	Avg	0.7729	0.7951	0.7372	0.7685	0.7075	0.7354	0.6490	0.6922	-----	0.732	7.42	0.995	0.996	6.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Methylnaphthalenes (T	1	0	Avg	0.7729	0.7951	0.7372	0.7685	0.7075	0.7354	0.6490	0.6922	-----	0.732	7.42	0.995	0.996	6.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.1'-Biphenyl	1	0	Avg	0.9095	1.0035	0.9197	0.9632	0.8459	0.8817	0.7790	0.8256	-----	0.891	7.80	0.996	0.996	8.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2.4.5-Tetrachloroben:	1	0	Avg	0.5606	0.6213	0.5762	0.5674	0.5507	0.5276	0.5274	0.5240	-----	0.557	7.56	1.00	1.00	5.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorocyclopentac	1	0	Avg	0.2922	0.2168	0.2641	0.2766	0.3005	0.3019	0.3081	0.3073	-----	0.283	7.55	1.00	1.00	11	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags
a - failed the spcc criteria — ** - ccc compound*
b - failed the ccc criteria — *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 8.78
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

20030826 0122

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_9

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	9M41873.	CAL BNA@50PPM	03/09/12 09:57	2	9M41881.	CAL BNA@2PPM	03/09/12 12:59
3	9M41879.	CAL BNA@10PPM	03/09/12 12:13	4	9M41878.	CAL BNA@20PPM	03/09/12 11:51
5	9M41877.	CAL BNA@80PPM	03/09/12 11:28	6	9M41876.	CAL BNA@120PPM	03/09/12 11:05
7	9M41875.	CAL BNA@160PPM	03/09/12 10:43	8	9M41874.	CAL BNA@196PPM	03/09/12 10:20
9	9M41880.	CAL BNA@.5PPM	03/09/12 12:36				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
2,4,6-Trichlorophenol	1	0	Avg	0.3859	0.2939	0.3435	0.3683	0.3734	0.3744	0.3616	0.3783	-----	0.360	7.64	0.999	1.00	8.2	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4,5-Trichlorophenol	1	0	Avg	0.4185	0.3276	0.3666	0.3881	0.4185	0.3853	0.4057	0.4054	-----	0.390	7.67	0.999	0.999	7.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorobiphenyl	1	0	Avg	1.3447	1.4269	1.3167	1.3342	1.2963	1.2611	1.2338	1.2052	-----	1.30	7.71	0.999	1.00	5.4		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
2-Chloronaphthalene	1	0	Avg	1.1535	1.2260	1.2149	1.2435	1.0975	1.0944	1.0101	1.0543	-----	1.14	7.82	0.998	0.998	7.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,4-Dimethylnaphthalei	1	0	Avg	0.9301	0.9396	0.9276	0.9121	0.8526	0.8588	0.7755	0.7640	-----	0.870	8.11	0.995	0.999	8.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylnaphthalenes	1	0	Avg	0.9301	0.9396	0.9276	0.9121	0.8526	0.8588	0.7755	0.7640	-----	0.870	8.11	0.995	0.999	8.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diphenyl Ether	1	0	Avg	0.8579	0.8711	0.8833	0.8437	0.7929	0.8014	0.7628	0.7495	-----	0.820	7.88	0.998	1.00	6.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitroaniline	1	0	Avg	0.4705	0.4019	0.4408	0.4483	0.4247	0.4343	0.4135	0.4109	-----	0.431	7.90	0.998	0.999	5.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Coumarin	1	0	Avg	0.5173	0.5087	0.4966	0.5312	0.5022	0.4956	0.4485	0.4339	-----	0.492	8.09	0.993	0.999	6.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthylene	1	0	Avg	2.0423	1.9862	1.9806	1.9619	1.9033	1.8768	1.8057	1.8002	-----	1.92	8.18	0.998	1.00	4.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylphthalate	1	0	Avg	1.4287	1.4480	1.4496	1.4197	1.3529	1.4015	1.2936	1.3081	-----	1.39	8.04	0.998	0.999	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,6-Dinitrotoluene	1	0	Avg	0.3219	0.2604	0.3052	0.3063	0.2981	0.3041	0.2727	0.2683	-----	0.292	8.10	0.994	0.999	7.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthene	1	0	Avg	1.2999	1.2979	1.2660	1.2892	1.1926	1.1799	1.1284	1.1424	-----	1.22	8.34	0.999	0.999	5.9	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3-Nitroaniline	1	0	Avg	0.4187	0.2885	0.3803	0.4234	0.3806	0.3635	0.3528	0.3449	-----	0.369	8.25	0.995	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4-Dinitrophenol	1	0	Qua	0.1880	-----	0.1011	0.1453	0.1907	0.2039	0.2012	0.2126	-----	0.178	8.34	0.999	0.999	23	**(0.050)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzofuran	1	0	Avg	1.7051	1.8531	1.7749	1.6663	1.6126	1.6495	1.5416	1.5578	1.9873	1.71	8.49	0.999	0.999	8.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
2,4-Dinitrotoluene	1	0	Avg	0.4593	0.3033	0.4071	0.4423	0.4271	0.4487	0.4227	0.4580	-----	0.421	8.46	0.997	0.997	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitrophenol	1	0	Qua	0.3497	0.2091	0.2842	0.3106	0.3249	0.3167	0.3021	0.3104	-----	0.301	8.38	0.998	0.999	14	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,3,4,6-Tetrachlorophe	1	0	Avg	0.3506	0.2617	0.3270	0.3444	0.3396	0.3364	0.3486	0.3467	-----	0.332	8.59	1.00	1.00	8.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluorene	1	0	Avg	1.4786	1.5636	1.4918	1.4773	1.3638	1.3102	1.2786	1.3447	-----	1.41	8.81	0.998	0.998	7.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chlorophenyl-phenyl	1	0	Avg	0.6495	0.6858	0.6433	0.6301	0.6306	0.6002	0.6068	0.6146	-----	0.633	8.80	0.999	0.999	4.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diethylphthalate	1	0	Avg	1.5529	1.4448	1.5635	1.4837	1.4137	1.4444	1.3946	1.4293	-----	1.47	8.68	0.999	0.999	4.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitroaniline	1	0	Avg	0.4435	0.3302	0.4033	0.4281	0.4141	0.4079	0.3960	0.4080	-----	0.404	8.82	0.999	0.999	8.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Atrazine	1	0	Avg	0.3871	0.2977	0.3861	0.3787	0.3750	0.3529	0.3510	0.3420	-----	0.359	9.45	0.998	1.00	8.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4,6-Dinitro-2-methylphe	1	0	Qua	0.1322	0.0411	0.0950	0.1195	0.1322	0.1274	0.1287	0.1393	-----	0.114	8.85	0.998	0.999	28		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
n-Nitrosodiphenylamine	1	0	Avg	0.6428	0.6217	0.7024	0.7011	0.6536	0.5970	0.5943	0.6299	-----	0.643	8.92	0.997	0.998	6.5	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4,6-Tribromophenol	1	0	Qua	0.0731	0.0448	0.0662	0.0758	0.0790	0.0768	0.0774	0.0841	-----	0.0722	9.05	0.996	0.998	17		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,2-Diphenylhydrazine	1	0	Avg	0.7980	0.7528	0.8483	0.8796	0.7888	0.7927	0.7579	0.7981	-----	0.802	8.96	0.999	0.999	5.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Bromophenyl-phenyl	1	0	Avg	0.1888	0.1714	0.1856	0.1964	0.1954	0.1879	0.1920	0.2000	-----	0.190	9.30	0.999	0.999	4.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobenzene	1	0	Avg	0.1816	0.1838	0.1778	0.1835	0.1832	0.1793	0.1821	0.1929	-----	0.183	9.36	0.999	1.00	2.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Octadecane	1	0	Avg	0.4640	0.4008	0.4670	0.5179	0.4514	0.3961	0.3730	0.3857	-----	0.432	9.63	0.994	0.996	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachlorophenol	1	0	Qua	0.1436	0.0547	0.1051	0.1349	0.1483	0.1461	0.1426	0.1621	-----	0.130	9.56	0.997	0.998	27	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenanthrene	1	0	Avg	1.1265	1.1436	1.1646	1.2166	1.1056	1.0720	1.0469	1.0952	-----	1.12	9.80	0.999	0.999	4.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Anthracene	1	0	Avg	1.1619	1.0942	1.2121	1.2266	1.1349	1.0547	1.0301	1.1111	-----	1.13	9.85	0.997	0.997	6.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Carbazole	1	0	Avg	1.1741	1.0911	1.1873	1.2310	1.1822	1.0894	1.0555	1.1232	-----	1.14	10.02	0.997	0.997	5.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-butylphthalate	1	0	Avg	1.5002	0.9778	1.3697	1.5375	1.4065	1.4074	1.3307	1.3892	1.0780	1.33	10.40	0.999	0.999	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Fluoranthene	1	0	Avg	1.3314	1.1188	1.2870	1.3079	1.3371	1.2460	1.2448	1.3222	-----	1.27	11.13	0.998	0.998	5.7	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pyrene	1	0	Avg	1.2731	1.1776	1.3033	1.3438	1.2792	1.2340	1.1933	1.2411	-----	1.26	11.40	0.999	0.999	4.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzidine	1	0	Qua	0.4961	0.2190	0.4315	0.5068	0.4576	0.3712	0.3407	-----	-----	0.403	11.28	0.968	0.997	25		50.00	2.00	10.00	20.00	80.00	120.0	160.0		
Terphenyl-d14	1	0	Avg	0.7867	0.7169	0.7566	0.7605	0.7372	0.7380	0.6974	0.8221	-----	0.752	11.58	0.988	0.992	5.2		25.00	1.00	5.00	10.00	40.00	60.00	80.00	96.00	
4,4'-DDE	1	0	Avg	0.2398	0.2053	0.2345	0.2375	0.2423	0.2346	0.2256	0.2521	-----	0.234	11.52	0.995	0.996	5.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags
a - failed the spcc criteria — ** - ccc compound*
b - failed the ccc criteria — *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 8.78
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

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Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_9

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	9M41873.	CAL BNA@50PPM	03/09/12 09:57	2	9M41881.	CAL BNA@2PPM	03/09/12 12:59
3	9M41879.	CAL BNA@10PPM	03/09/12 12:13	4	9M41878.	CAL BNA@20PPM	03/09/12 11:51
5	9M41877.	CAL BNA@80PPM	03/09/12 11:28	6	9M41876.	CAL BNA@120PPM	03/09/12 11:05
7	9M41875.	CAL BNA@160PPM	03/09/12 10:43	8	9M41874.	CAL BNA@196PPM	03/09/12 10:20
9	9M41880.	CAL BNA@.5PPM	03/09/12 12:36				

mpound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
4.4'-DDD	1	0	Avg	0.3933	0.2885	0.3318	0.3848	0.3990	0.4012	0.3912	0.4048	-----	0.374	11.91	1.00	1.00	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Butylbenzylphthalate	1	0	Avg	0.5790	0.4069	0.5826	0.6161	0.6565	0.6363	0.5897	0.6482	-----	0.589	12.17	0.996	0.996	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4.4'-DDT	1	0	Avg	0.3553	0.2169	0.3103	0.3359	0.3456	0.3293	0.3413	0.3501	-----	0.323	12.27	0.999	0.999	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3.3'-Dichlorobenzidine	1	0	Qua	0.3721	0.1916	0.3293	0.3525	0.3445	0.3262	0.3114	0.3494	-----	0.322	12.79	0.996	0.997	17		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]anthracene	1	0	Avg	1.2498	1.1684	1.1973	1.1999	1.2384	1.1566	1.1569	1.2170	-----	1.20	12.82	0.998	0.998	3.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Chrysene	1	0	Avg	1.1220	1.1692	1.0899	1.1056	1.0482	1.0264	0.9769	1.0298	-----	1.07	12.86	0.998	0.998	5.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Ethylhexyl)phthal	1	0	Avg	0.8874	0.5869	0.7882	0.8619	0.8266	0.7831	0.7427	0.7707	-----	0.781	12.86	0.997	0.998	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-octylphthalate	1	0	LinF	1.7311	0.8489	1.4916	1.6925	1.6347	1.6779	1.5865	1.5154	-----	1.52	13.61	0.996	0.999	19	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[b]fluoranthene	1	0	Avg	1.1933	1.1128	1.1167	1.1651	1.2259	1.2662	1.1530	1.1931	-----	1.18	14.03	0.998	0.998	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[k]fluoranthene	1	0	Avg	1.1195	1.0793	1.1786	1.2151	1.1324	1.0707	1.1041	1.0507	-----	1.12	14.06	0.999	0.999	5.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]pyrene	1	0	Avg	1.1798	0.9325	1.0555	1.1143	1.1393	1.1384	1.0771	1.1238	-----	1.10	14.39	0.999	0.999	6.9	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Indeno[1.2.3-cd]pyrene	1	0	Avg	1.1817	0.9392	1.1006	1.1288	1.2337	1.2273	1.1337	1.0905	-----	1.13	15.79	0.997	0.999	8.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzo[a,h]anthracen	1	0	Avg	0.9567	0.7867	0.9147	0.9429	1.0081	0.9975	0.9155	0.8910	-----	0.927	15.82	0.995	0.999	7.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[g,h,i]perylene	1	0	Avg	1.0484	0.8739	0.9358	0.9736	1.0157	0.9862	0.9191	0.8622	-----	0.952	16.18	0.992	1.00	6.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria — ** - ccc compound*

b - failed the ccc criteria — *** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 8.78

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

20308260124

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 5M73434.D **Instrument:** GCMS 5

Cont Calibration Date/Time 3/11/2012 1:42:00 P Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1.4-Dichlorobenzene-d4	1	0	I	5.59	40.00	40				0.000	0.00	
1.4-Dioxane	1	0		2.28	51.24				0.565			
Pyridine	1	0		2.71	44.45	50			1.131	1.190	11.10	
N-Nitrosodimethylamine	1	0		2.64	52.68	50			0.752	0.792	5.36	
2-Fluorophenol	1	0	S	4.36	51.44	50			1.186	1.220	2.87	
Benzaldehyde	1	0		5.22	33.10	50			0.659	0.543	33.80	
Aniline	1	0		5.31	50.81	50			1.793	1.822	1.62	
Pentachloroethane	1	0		5.35	51.25	50			0.465	0.476	2.50	
bis(2-Chloroethyl)ether	1	0		5.37	49.10	50			1.239	1.217	1.80	
Phenol-d5	1	0	S	5.28	51.12	50			1.605	1.641	2.23	
Phenol	1	0	CC	5.29	52.58	50	20		1.728	1.817	5.16	
2-Chlorophenol	1	0		5.41	52.12	50			1.448	1.510	4.25	
N-Decane	1	0		5.45	48.57	50			1.073	1.042	2.86	
1.3-Dichlorobenzene	1	0		5.54	50.08	50			1.574	1.577	0.16	
1.4-Dichlorobenzene	1	0	CC	5.61	50.88	50	20		1.599	1.627	1.75	
1.2-Dichlorobenzene	1	0		5.73	52.16	50			1.506	1.571	4.32	
Benzyl alcohol	1	0		5.71	53.08	50			0.901	0.957	6.16	
bis(2-chloroisopropyl)ether	1	0		5.83	48.41	50			1.249	1.210	3.17	
2-Methylphenol	1	0		5.80	53.11	50			1.236	1.313	6.21	
Acetophenone	1	0		5.93	54.23	50			1.964	2.130	8.46	
Hexachloroethane	1	0		6.01	50.21	50			0.610	0.613	0.42	
N-Nitroso-di-n-propylamine	1	0	CP	5.93	51.43	50	0.05		0.864	0.889	2.86	
3&4-Methylphenol	1	0		5.93	54.38	50			1.259	1.369	8.75	
Naphthalene-d8	1	0	I	6.61	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	6.06	27.11	25			0.173	0.187	8.43	
Nitrobenzene	1	0		6.07	50.05	50			0.362	0.362	0.10	
Isophorone	1	0		6.26	49.92	50			0.644	0.643	0.15	
2-Nitrophenol	1	0	CC	6.32	53.52	50	20		0.198	0.211	7.04	
2.4-Dimethylphenol	1	0		6.35	50.59	50			0.378	0.382	1.19	
Benzoic Acid	1	0		6.43	60.43	50			0.196	0.213	20.87	
bis(2-Chloroethoxy)methane	1	0		6.42	50.36	50			0.402	0.405	0.73	
2.4-Dichlorophenol	1	0	CC	6.50	52.58	50	20		0.319	0.335	5.16	
1.2.4-Trichlorobenzene	1	0		6.56	51.39	50			0.378	0.388	2.78	
Naphthalene	1	0		6.63	49.86	50			1.154	1.150	0.29	
4-Chloroaniline	1	0		6.67	50.19	50			0.388	0.442	0.38	
Hexachlorobutadiene	1	0	CC	6.71	50.83	50	20		0.230	0.234	1.66	
Caprolactam	1	0		6.94	54.40	50			0.117	0.140	8.81	
4-Chloro-3-methylphenol	1	0	CC	7.03	51.10	50	20		0.326	0.333	2.20	
2-Methylnaphthalene	1	0		7.16	50.19	50			0.761	0.764	0.38	
Methylnaphthalenes	1	0		7.16	50.19	50	20			0.764	0.38	
1.1'-Biphenyl	1	0		7.52	51.08	50			0.947	0.968	2.16	
Acenaphthene-d10	1	0	I	8.02	40.00	40				0.000	0.00	
1.2.4.5-Tetrachlorobenzene	1	0		7.28	52.19	50			0.667	0.696	4.37	
Hexachlorocyclopentadiene	1	0	CP	7.27	52.11	50	0.05		0.382	0.398	4.23	
2.4.6-Trichlorophenol	1	0	CC	7.37	53.07	50	20		0.390	0.414	6.13	
2.4.5-Trichlorophenol	1	0		7.40	54.27	50			0.424	0.460	8.53	
2-Fluorobiphenyl	1	0	S	7.44	25.81	25			1.396	1.441	3.23	
2-Chloronaphthalene	1	0		7.55	53.26	50			1.168	1.244	6.52	
1.4-Dimethylnaphthalene	1	0		7.82	50.82	50			0.917	0.932	1.65	
Dimethylnaphthalenes	1	0		7.82	50.82	50	20			0.932	1.65	
Diphenyl Ether	1	0		7.61	53.01	50			0.881	0.934	6.02	
2-Nitroaniline	1	0		7.63	51.76	50			0.362	0.375	3.53	
Coumarin	1	0		7.81	51.00				0.458			
Acenaphthylene	1	0		7.89	52.31	50			1.898	1.985	4.63	
Dimethylphthalate	1	0		7.77	52.19	50			1.406	1.468	4.37	
2.6-Dinitrotoluene	1	0		7.83	53.18	50			0.311	0.331	6.36	
Acenaphthene	1	0	CC	8.04	50.41	50	20		1.224	1.234	0.82	
3-Nitroaniline	1	0		7.97	55.73	50			0.331	0.369	11.45	
2.4-Dinitrophenol	1	0	CP	8.06	58.06	50	0.05		0.179	0.227	16.12	
Dibenzofuran	1	0		8.20	51.14	50			1.740	1.780	2.28	
2.4-Dinitrotoluene	1	0		8.18	53.63	50			0.428	0.459	7.26	
4-Nitrophenol	1	0	CP	8.10	53.23	50	0.05		0.218	0.241	6.46	
2.3.4.6-Tetrachlorophenol	1	0		8.30	52.71	50			0.378	0.398	5.42	
Fluorene	1	0		8.52	52.44	50			1.467	1.539	4.88	
4-Chlorophenyl-phenylether	1	0		8.51	53.02	50			0.703	0.745	6.04	
Diethylphthalate	1	0		8.40	51.28	50			1.437	1.474	2.57	
4-Nitroaniline	1	0		8.53	53.42	50			0.367	0.392	6.84	
Atrazine	1	0		9.15	48.96	50			0.423	0.414	2.08	
Phenanthrene-d10	1	0	I	9.46	40.00	40				0.000	0.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 5M73434.D **Instrument:** GCMS 5

Cont Calibration Date/Time 3/11/2012 1:42:00 P Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
4,6-Dinitro-2-methylphenol	1	0		8.56	53.62	50			0.126	0.147	7.24	
n-Nitrosodiphenylamine	1	0	CC	8.62	50.99	50	20		0.633	0.646	1.97	
2,4,6-Tribromophenol	1	0	S	8.75	54.54	50			0.142	0.155	9.08	
1,2-Diphenylhydrazine	1	0		8.66	49.73	50			0.659	0.655	0.55	
4-Bromophenyl-phenylether	1	0		8.99	51.66	50			0.231	0.239	3.31	
Hexachlorobenzene	1	0		9.05	51.17	50			0.281	0.287	2.34	
N-Octadecane	1	0		9.32	50.57	50			0.309	0.312	1.15	
Pentachlorophenol	1	0	CC	9.25	53.43	50	20		0.169	0.181	6.85	
Phenanthrene	1	0		9.48	50.34	50			1.127	1.135	0.68	
Anthracene	1	0		9.54	51.21	50			1.137	1.165	2.42	
Carbazole	1	0		9.71	50.77	50			1.093	1.109	1.53	
Di-n-butylphthalate	1	0		10.10	51.57	50			1.201	1.314	3.15	
Fluoranthene	1	0	CC	10.81	51.00	50	20		1.329	1.356	2.00	
Chrysene-d12	1	0	I	12.51	40.00	40				0.000	0.00	
Pyrene	1	0		11.08	50.45	50			1.077	1.087	0.91	
Benzidine	1	0		10.98	43.54	50			0.307	0.351	12.93	
Terphenyl-d14	1	0	S	11.26	24.95	25			0.760	0.759	0.19	
4,4'-DDE	1	0		11.20	50.11				0.256			
4,4'-DDD	1	0		11.60	51.29				0.375			
Butylbenzylphthalate	1	0		11.86	54.31	50			0.442	0.480	8.62	
4,4'-DDT	1	0		11.96	53.04				0.330			
3,3'-Dichlorobenzidine	1	0		12.48	54.79	50			0.315	0.388	9.57	
Benzo[a]anthracene	1	0		12.50	50.67	50			1.092	1.107	1.35	
Chrysene	1	0		12.54	50.73	50			1.031	1.046	1.46	
bis(2-Ethylhexyl)phthalate	1	0		12.56	53.96	50			0.626	0.676	7.92	
Perylene-d12	1	0	I	14.12	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	13.31	54.20	50	20		0.976	1.124	8.40	
Benzo[b]fluoranthene	1	0		13.72	48.82	50			1.114	1.087	2.36	
Benzo[k]fluoranthene	1	0		13.74	51.54	50			1.122	1.156	3.08	
Benzo[a]pyrene	1	0	CC	14.06	51.12	50	20		1.061	1.085	2.25	
Indeno[1,2,3-cd]pyrene	1	0		15.35	57.91	50			1.146	1.327	15.82	
Dibenzo[a,h]anthracene	1	0		15.37	59.67	50			0.928	1.108	19.33	
Benzo[g,h,i]perylene	1	0		15.70	56.24	50			1.004	1.129	12.48	
2,2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.761	0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Endrin	1	100		0.00	0.00	50				0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	
2,4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			0.917	0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 10M28770.D **Instrument:** GCMS 10

Cont Calibration Date/Time 3/11/2012 2:03:00 P Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1.4-Dichlorobenzene-d4	1	0	I	5.67	40.00	40				0.000	0.00	
1.4-Dioxane	1	0		2.41	50.63				0.458			
Pyridine	1	0		2.85	47.63	50			1.133	1.179	4.73	
N-Nitrosodimethylamine	1	0		2.78	46.82	50			0.684	0.697	6.36	
2-Fluorophenol	1	0	S	4.46	47.55	50			1.209	1.149	4.91	
Benzaldehyde	1	0		5.29	30.78	50			0.666	0.527	38.44	
Aniline	1	0		5.39	50.20	50			1.734	1.741	0.40	
Pentachloroethane	1	0		5.43	48.12	50			0.491	0.473	3.76	
bis(2-Chloroethyl)ether	1	0		5.45	45.78	50			1.315	1.204	8.44	
Phenol-d5	1	0	S	5.36	45.82	50			1.595	1.462	8.36	
Phenol	1	0	CC	5.37	47.01	50	20		1.834	1.724	5.98	
2-Chlorophenol	1	0		5.49	48.75	50			1.388	1.353	2.51	
N-Decane	1	0		5.52	47.27	50			1.241	1.174	5.46	
1.3-Dichlorobenzene	1	0		5.62	49.69	50			1.613	1.603	0.62	
1.4-Dichlorobenzene	1	0	CC	5.68	47.65	50	20		1.651	1.573	4.69	
1.2-Dichlorobenzene	1	0		5.80	48.55	50			1.559	1.514	2.91	
Benzyl alcohol	1	0		5.79	46.86	50			0.905	0.848	6.29	
bis(2-chloroisopropyl)ether	1	0		5.89	47.52	50			1.331	1.265	4.97	
2-Methylphenol	1	0		5.88	47.65	50			1.266	1.207	4.71	
Acetophenone	1	0		6.00	48.24	50			2.418	2.332	3.52	
Hexachloroethane	1	0		6.08	50.27	50			0.690	0.693	0.55	
N-Nitroso-di-n-propylamine	1	0	CP	6.00	46.64	50	0.05		1.205	1.124	6.72	
3&4-Methylphenol	1	0		6.01	46.16	50			1.455	1.344	7.67	
Naphthalene-d8	1	0	I	6.67	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	6.12	25.76	25			0.164	0.169	3.03	
Nitrobenzene	1	0		6.14	51.25	50			0.427	0.438	2.51	
Isophorone	1	0		6.32	50.70	50			0.740	0.751	1.40	
2-Nitrophenol	1	0	CC	6.39	52.56	50	20		0.206	0.216	5.13	
2.4-Dimethylphenol	1	0		6.42	51.51	50			0.399	0.411	3.03	
Benzoic Acid	1	0		6.49	52.63	50			0.224	0.234	5.27	
bis(2-Chloroethoxy)methane	1	0		6.49	50.38	50			0.433	0.436	0.77	
2.4-Dichlorophenol	1	0	CC	6.57	50.43	50	20		0.355	0.358	0.86	
1.2.4-Trichlorobenzene	1	0		6.63	49.70	50			0.430	0.428	0.60	
Naphthalene	1	0		6.69	49.11	50			1.124	1.104	1.79	
4-Chloroaniline	1	0		6.73	53.60	50			0.384	0.411	7.19	
Hexachlorobutadiene	1	0	CC	6.77	53.16	50	20		0.268	0.285	6.33	
Caprolactam	1	0		7.01	50.38	50			0.113	0.114	0.75	
4-Chloro-3-methylphenol	1	0	CC	7.10	48.45	50	20		0.346	0.335	3.10	
2-Methylnaphthalene	1	0		7.22	48.34	50			0.807	0.780	3.32	
Methylnaphthalenes	1	0		7.22	48.37	50	20			0.781	3.27	
1.1'-Biphenyl	1	0		7.58	47.10	50			1.031	0.971	5.80	
Acenaphthene-d10	1	0	I	8.08	40.00	40				0.000	0.00	
1.2.4.5-Tetrachlorobenzene	1	0		7.35	59.16	50			0.755	0.811	18.32	
Hexachlorocyclopentadiene	1	0	CP	7.33	43.87	50	0.05		0.292	0.239	12.27	
2.4.6-Trichlorophenol	1	0	CC	7.44	49.76	50	20		0.452	0.450	0.48	
2.4.5-Trichlorophenol	1	0		7.47	54.36	50			0.465	0.506	8.73	
2-Fluorobiphenyl	1	0	S	7.50	26.31	25			1.382	1.455	5.22	
2-Chloronaphthalene	1	0		7.61	50.53	50			1.270	1.284	1.07	
1.4-Dimethylnaphthalene	1	0		7.88	52.66	50			1.097	1.092	5.32	
Dimethylnaphthalenes	1	0		7.88	52.66	50	20			1.092	5.32	
Diphenyl Ether	1	0		7.67	56.72	50			1.012	1.046	13.45	
2-Nitroaniline	1	0		7.69	52.31	50			0.513	0.537	4.63	
Coumarin	1	0		7.88	51.34				0.526			
Acenaphthylene	1	0		7.96	49.30	50			1.968	1.941	1.39	
Dimethylphthalate	1	0		7.83	49.76	50			1.504	1.497	0.49	
2.6-Dinitrotoluene	1	0		7.89	50.28	50			0.345	0.347	0.57	
Acenaphthene	1	0	CC	8.11	48.83	50	20		1.322	1.291	2.35	
3-Nitroaniline	1	0		8.04	53.63	50			0.309	0.331	7.26	
2.4-Dinitrophenol	1	0	CP	8.14	50.92	50	0.05		0.191	0.184	1.84	
Dibenzofuran	1	0		8.26	47.67	50			1.847	1.761	4.66	
2.4-Dinitrotoluene	1	0		8.25	55.01	50			0.446	0.427	10.03	
4-Nitrophenol	1	0	CP	8.18	42.29	50	0.05		0.280	0.262	15.42	
2.3.4.6-Tetrachlorophenol	1	0		8.37	53.91	50			0.392	0.380	7.82	
Fluorene	1	0		8.58	52.32	50			1.644	1.519	4.63	
4-Chlorophenyl-phenylether	1	0		8.57	52.65	50			0.820	0.750	5.30	
Diethylphthalate	1	0		8.45	48.47	50			1.591	1.542	3.06	
4-Nitroaniline	1	0		8.60	52.19	50			0.335	0.349	4.37	
Atrazine	1	0		9.21	43.57	50			0.430	0.375	12.86	
Phenanthrene-d10	1	0	I	9.53	40.00	40				0.000	0.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 10M28770.D **Instrument:** GCMS 10

Cont Calibration Date/Time 3/11/2012 2:03:00 P Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
4,6-Dinitro-2-methylphenol	1	0		8.63	52.17	50			0.128	0.132	4.34	
n-Nitrosodiphenylamine	1	0	CC	8.69	52.91	50	20		0.679	0.655	5.82	
2,4,6-Tribromophenol	1	0	S	8.81	52.31	50			0.099	0.089	4.61	
1,2-Diphenylhydrazine	1	0		8.72	53.96	50			0.866	0.934	7.92	
4-Bromophenyl-phenylether	1	0		9.05	55.29	50			0.246	0.234	10.58	
Hexachlorobenzene	1	0		9.12	54.01	50			0.249	0.235	8.01	
N-Octadecane	1	0		9.38	49.38	50			0.403	0.398	1.23	
Pentachlorophenol	1	0	CC	9.32	49.21	50	20		0.146	0.127	1.59	
Phenanthrene	1	0		9.55	47.89	50			1.162	1.113	4.21	
Anthracene	1	0		9.61	48.56	50			1.190	1.156	2.88	
Carbazole	1	0		9.78	49.87	50			1.071	1.068	0.25	
Di-n-butylphthalate	1	0		10.15	47.36	50			1.446	1.370	5.27	
Fluoranthene	1	0	CC	10.88	47.14	50	20		1.343	1.266	5.72	
Chrysene-d12	1	0	I	12.57	40.00	40				0.000	0.00	
Pyrene	1	0		11.14	49.28	50			1.343	1.323	1.45	
Benzidine	1	0		11.04	50.13	50			0.306	0.336	0.26	
Terphenyl-d14	1	0	S	11.32	26.10	25			0.815	0.851	4.40	
4,4'-DDE	1	0		11.25	47.19				0.330			
4,4'-DDD	1	0		11.65	47.93				0.467			
Butylbenzylphthalate	1	0		11.91	43.25	50			0.618	0.535	13.50	
4,4'-DDT	1	0		12.01	48.16				0.457			
3,3'-Dichlorobenzidine	1	0		12.54	57.60	50			0.306	0.350	15.21	
Benzo[a]anthracene	1	0		12.56	51.78	50			1.157	1.198	3.57	
Chrysene	1	0		12.60	51.17	50			1.135	1.161	2.34	
bis(2-Ethylhexyl)phthalate	1	0		12.60	38.97	50			0.991	0.773	22.06	
Perylene-d12	1	0	I	14.17	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	13.35	47.98	50	20		1.744	1.460	4.04	
Benzo[b]fluoranthene	1	0		13.77	47.97	50			1.264	1.213	4.06	
Benzo[k]fluoranthene	1	0		13.80	52.24	50			1.228	1.283	4.48	
Benzo[a]pyrene	1	0	CC	14.11	52.42	50	20		1.162	1.218	4.84	
Indeno[1,2,3-cd]pyrene	1	0		15.42	54.93	50			1.170	1.230	9.85	
Dibenzo[a,h]anthracene	1	0		15.44	56.77	50			0.973	1.049	13.55	
Benzo[g,h,i]perylene	1	0		15.78	53.42	50			0.984	1.051	6.83	
2,2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
2,4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.807	0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	
Endrin	1	100		0.00	0.00	50				0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			1.097	0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 10M28802.D **Instrument:** GCMS 10

Cont Calibration Date/Time 3/12/2012 8:58:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,4-Dichlorobenzene-d4	1	0	I	5.66	40.00	40				0.000	0.00	
1,4-Dioxane	1	0		2.40	49.32				0.458			
Pyridine	1	0		2.84	46.18	50			1.133	1.143	7.63	
N-Nitrosodimethylamine	1	0		2.78	47.86	50			0.684	0.712	4.28	
2-Fluorophenol	1	0	S	4.45	49.36	50			1.209	1.193	1.29	
Benzaldehyde	1	0		5.29	33.56	50			0.666	0.566	32.88	
Aniline	1	0		5.39	52.36	50			1.734	1.816	4.71	
Pentachloroethane	1	0		5.42	47.96	50			0.491	0.471	4.09	
bis(2-Chloroethyl)ether	1	0		5.44	47.70	50			1.315	1.254	4.60	
Phenol-d5	1	0	S	5.36	49.14	50			1.595	1.568	1.72	
Phenol	1	0	CC	5.37	49.98	50	20		1.834	1.833	0.03	
2-Chlorophenol	1	0		5.49	51.72	50			1.388	1.435	3.43	
N-Decane	1	0		5.52	45.61	50			1.241	1.132	8.79	
1,3-Dichlorobenzene	1	0		5.62	47.48	50			1.613	1.531	5.05	
1,4-Dichlorobenzene	1	0	CC	5.68	49.07	50	20		1.651	1.620	1.87	
1,2-Dichlorobenzene	1	0		5.80	49.74	50			1.559	1.551	0.51	
Benzyl alcohol	1	0		5.79	50.87	50			0.905	0.921	1.75	
bis(2-chloroisopropyl)ether	1	0		5.89	48.69	50			1.331	1.296	2.62	
2-Methylphenol	1	0		5.88	51.97	50			1.266	1.316	3.93	
Acetophenone	1	0		6.00	53.76	50			2.418	2.599	7.51	
Hexachloroethane	1	0		6.08	50.16	50			0.690	0.692	0.31	
N-Nitroso-di-n-propylamine	1	0	CP	6.00	51.80	50	0.05		1.205	1.249	3.60	
3&4-Methylphenol	1	0		6.01	51.51	50			1.455	1.499	3.02	
Naphthalene-d8	1	0	I	6.67	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	6.12	25.44	25			0.164	0.167	1.78	
Nitrobenzene	1	0		6.13	49.63	50			0.427	0.424	0.75	
Isophorone	1	0		6.32	51.10	50			0.740	0.757	2.20	
2-Nitrophenol	1	0	CC	6.39	51.53	50	20		0.206	0.212	3.06	
2,4-Dimethylphenol	1	0		6.41	50.86	50			0.399	0.406	1.72	
Benzoic Acid	1	0		6.50	62.43	50			0.224	0.285	24.86	
bis(2-Chloroethoxy)methane	1	0		6.49	50.12	50			0.433	0.434	0.23	
2,4-Dichlorophenol	1	0	CC	6.57	51.55	50	20		0.355	0.366	3.11	
1,2,4-Trichlorobenzene	1	0		6.63	50.24	50			0.430	0.432	0.49	
Naphthalene	1	0		6.69	48.52	50			1.124	1.091	2.95	
4-Chloroaniline	1	0		6.73	57.72	50			0.384	0.443	15.43	
Hexachlorobutadiene	1	0	CC	6.77	49.33	50	20		0.268	0.265	1.34	
Caprolactam	1	0		7.01	59.46	50			0.113	0.134	18.92	
4-Chloro-3-methylphenol	1	0	CC	7.09	52.07	50	20		0.346	0.360	4.13	
2-Methylnaphthalene	1	0		7.21	49.95	50			0.807	0.806	0.11	
Methylnaphthalenes	1	0		7.21	49.94	50	20			0.806	0.13	
1,1'-Biphenyl	1	0		7.58	51.75	50			1.031	1.067	3.50	
Acenaphthene-d10	1	0	I	8.08	40.00	40				0.000	0.00	
1,2,4,5-Tetrachlorobenzene	1	0		7.34	55.40	50			0.755	0.752	10.81	
Hexachlorocyclopentadiene	1	0	CP	7.33	39.51	50	0.05		0.292	0.211	20.97	
2,4,6-Trichlorophenol	1	0	CC	7.43	49.19	50	20		0.452	0.445	1.62	
2,4,5-Trichlorophenol	1	0		7.47	51.01	50			0.465	0.475	2.03	
2-Fluorobiphenyl	1	0	S	7.50	24.65	25			1.382	1.363	1.38	
2-Chloronaphthalene	1	0		7.61	48.35	50			1.270	1.228	3.30	
1,4-Dimethylnaphthalene	1	0		7.88	50.63	50			1.097	1.045	1.25	
Dimethylnaphthalenes	1	0		7.88	50.63	50	20			1.045	1.25	
Diphenyl Ether	1	0		7.67	54.93	50			1.012	1.007	9.87	
2-Nitroaniline	1	0		7.69	50.78	50			0.513	0.521	1.57	
Coumarin	1	0		7.88	53.67				0.526			
Acenaphthylene	1	0		7.96	48.46	50			1.968	1.908	3.07	
Dimethylphthalate	1	0		7.84	51.98	50			1.504	1.564	3.96	
2,6-Dinitrotoluene	1	0		7.89	49.77	50			0.345	0.344	0.46	
Acenaphthene	1	0	CC	8.11	49.18	50	20		1.322	1.300	1.64	
3-Nitroaniline	1	0		8.04	55.48	50			0.309	0.342	10.95	
2,4-Dinitrophenol	1	0	CP	8.14	57.96	50	0.05		0.191	0.213	15.92	
Dibenzofuran	1	0		8.26	48.31	50			1.847	1.785	3.37	
2,4-Dinitrotoluene	1	0		8.25	60.33	50			0.446	0.477	20.66	
4-Nitrophenol	1	0	CP	8.18	49.96	50	0.05		0.280	0.310	0.08	
2,3,4,6-Tetrachlorophenol	1	0		8.37	58.06	50			0.392	0.415	16.13	
Fluorene	1	0		8.58	55.36	50			1.644	1.624	10.71	
4-Chlorophenyl-phenylether	1	0		8.57	55.26	50			0.820	0.795	10.51	
Diethylphthalate	1	0		8.45	50.88	50			1.591	1.619	1.77	
4-Nitroaniline	1	0		8.61	53.89	50			0.335	0.361	7.77	
Atrazine	1	0		9.21	50.30	50			0.430	0.433	0.61	
Phenanthrene-d10	1	0	I	9.53	40.00	40				0.000	0.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 10M28802.D **Instrument:** GCMS 10

Cont Calibration Date/Time 3/12/2012 8:58:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
4,6-Dinitro-2-methylphenol	1	0		8.63	55.03	50			0.128	0.140	10.07	
n-Nitrosodiphenylamine	1	0	CC	8.69	50.99	50	20		0.679	0.628	1.98	
2,4,6-Tribromophenol	1	0	S	8.81	53.24	50			0.099	0.091	6.49	
1,2-Diphenylhydrazine	1	0		8.72	48.56	50			0.866	0.841	2.89	
4-Bromophenyl-phenylether	1	0		9.05	54.49	50			0.246	0.230	8.97	
Hexachlorobenzene	1	0		9.12	51.94	50			0.249	0.225	3.87	
N-Octadecane	1	0		9.38	43.54	50			0.403	0.351	12.93	
Pentachlorophenol	1	0	CC	9.32	52.56	50	20		0.146	0.137	5.12	
Phenanthrene	1	0		9.55	49.77	50			1.162	1.156	0.47	
Anthracene	1	0		9.61	48.47	50			1.190	1.154	3.05	
Carbazole	1	0		9.78	51.77	50			1.071	1.108	3.54	
Di-n-butylphthalate	1	0		10.15	50.29	50			1.446	1.455	0.58	
Fluoranthene	1	0	CC	10.88	53.55	50	20		1.343	1.438	7.10	
Chrysene-d12	1	0	I	12.57	40.00	40				0.000	0.00	
Pyrene	1	0		11.14	43.14	50			1.343	1.159	13.73	
Benzidine	1	0		11.04	40.46	50			0.306	0.278	19.08	
Terphenyl-d14	1	0	S	11.32	21.85	25			0.815	0.712	12.60	
4,4'-DDE	1	0		11.25	42.03				0.330			
4,4'-DDD	1	0		11.66	42.88				0.467			
Butylbenzylphthalate	1	0		11.91	43.84	50			0.618	0.542	12.32	
4,4'-DDT	1	0		12.01	47.45				0.457			
3,3'-Dichlorobenzidine	1	0		12.54	55.62	50			0.306	0.338	11.25	
Benzo[a]anthracene	1	0		12.56	50.15	50			1.157	1.161	0.30	
Chrysene	1	0		12.61	50.60	50			1.135	1.148	1.19	
bis(2-Ethylhexyl)phthalate	1	0		12.60	46.58	50			0.991	0.924	6.84	
Perylene-d12	1	0	I	14.18	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	13.35	53.49	50	20		1.744	1.660	6.98	
Benzo[b]fluoranthene	1	0		13.77	52.34	50			1.264	1.324	4.68	
Benzo[k]fluoranthene	1	0		13.80	52.99	50			1.228	1.301	5.97	
Benzo[a]pyrene	1	0	CC	14.12	52.03	50	20		1.162	1.209	4.05	
Indeno[1,2,3-cd]pyrene	1	0		15.43	50.30	50			1.170	1.116	0.60	
Dibenzo[a,h]anthracene	1	0		15.45	52.61	50			0.973	0.962	5.22	
Benzo[g,h,i]perylene	1	0		15.79	41.64	50			0.984	0.819	16.72	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
2,4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	
2,2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.807	0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
Endrin	1	100		0.00	0.00	50				0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			1.097	0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 9M41983.D **Instrument:** GCMS 9

Cont Calibration Date/Time 3/14/2012 9:16:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1.4-Dichlorobenzene-d4	1	0	I	5.86	40.00	40				0.000	0.00	
1.4-Dioxane	1	0		2.66	57.99				0.526			
Pyridine	1	0		3.12	53.48	50			1.546	1.654	6.95	
N-Nitrosodimethylamine	1	0		3.06	53.43	50			0.903	0.965	6.86	
2-Fluorophenol	1	0	S	4.65	50.66	50			1.357	1.374	1.32	
Benzaldehyde	1	0		5.48	35.10	50			0.693	0.656	29.79	
Aniline	1	0		5.58	49.82	50			2.106	2.099	0.36	
Pentachloroethane	1	0		5.62	53.16	50			0.498	0.530	6.32	
bis(2-Chloroethyl)ether	1	0		5.64	52.50	50			1.417	1.488	5.01	
Phenol-d5	1	0	S	5.54	47.84	50			1.935	1.851	4.32	
Phenol	1	0	CC	5.55	51.25	50	20		2.049	2.100	2.49	
2-Chlorophenol	1	0		5.68	47.20	50			1.541	1.455	5.60	
N-Decane	1	0		5.72	56.62	50			1.307	1.480	13.23	
1.3-Dichlorobenzene	1	0		5.81	48.62	50			1.575	1.531	2.77	
1.4-Dichlorobenzene	1	0	CC	5.87	50.53	50	20		1.565	1.582	1.07	
1.2-Dichlorobenzene	1	0		6.00	46.14	50			1.547	1.427	7.71	
Benzyl alcohol	1	0		5.97	46.60	50			1.043	0.972	6.79	
bis(2-chloroisopropyl)ether	1	0		6.09	48.79	50			1.691	1.650	2.42	
2-Methylphenol	1	0		6.06	45.90	50			1.498	1.375	8.20	
Acetophenone	1	0		6.19	47.99	50			2.184	2.096	4.02	
Hexachloroethane	1	0		6.27	50.45	50			0.635	0.640	0.89	
N-Nitroso-di-n-propylamine	1	0	CP	6.19	47.26	50	0.05		1.101	1.041	5.48	
3&4-Methylphenol	1	0		6.18	47.67	50			1.478	1.409	4.66	
Naphthalene-d8	1	0	I	6.87	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	6.31	24.19	25			0.159	0.154	3.24	
Nitrobenzene	1	0		6.33	48.40	50			0.377	0.365	3.20	
Isophorone	1	0		6.51	48.16	50			0.689	0.664	3.67	
2-Nitrophenol	1	0	CC	6.57	52.05	50	20		0.194	0.201	4.10	
2.4-Dimethylphenol	1	0		6.60	49.03	50			0.371	0.364	1.93	
Benzoic Acid	1	0		6.67	37.35	50			0.276	0.213	25.30	
bis(2-Chloroethoxy)methane	1	0		6.67	48.15	50			0.420	0.404	3.70	
2.4-Dichlorophenol	1	0	CC	6.75	51.28	50	20		0.297	0.304	2.56	
1.2.4-Trichlorobenzene	1	0		6.82	49.77	50			0.328	0.326	0.45	
Naphthalene	1	0		6.89	46.25	50			1.079	0.999	7.50	
4-Chloroaniline	1	0		6.92	50.22	50			0.421	0.423	0.44	
Hexachlorobutadiene	1	0	CC	6.98	49.27	50	20		0.162	0.159	1.46	
Caprolactam	1	0		7.20	43.87	50			0.128	0.129	12.26	
4-Chloro-3-methylphenol	1	0	CC	7.28	46.60	50	20		0.346	0.322	6.81	
2-Methylnaphthalene	1	0		7.42	47.90	50			0.732	0.702	4.20	
Methylnaphthalenes	1	0		7.42	47.90	50	20			0.702	4.20	
1.1'-Biphenyl	1	0		7.80	46.06	50			0.891	0.821	7.89	
Acenaphthene-d10	1	0	I	8.31	40.00	40				0.000	0.00	
1.2.4.5-Tetrachlorobenzene	1	0		7.56	52.38	50			0.557	0.583	4.76	
Hexachlorocyclopentadiene	1	0	CP	7.55	49.20	50	0.05		0.283	0.279	1.60	
2.4.6-Trichlorophenol	1	0	CC	7.65	52.62	50	20		0.360	0.379	5.24	
2.4.5-Trichlorophenol	1	0		7.68	51.68	50			0.390	0.403	3.36	
2-Fluorobiphenyl	1	0	S	7.71	25.99	25			1.302	1.354	3.98	
2-Chloronaphthalene	1	0		7.82	50.30	50			1.137	1.144	0.60	
1.4-Dimethylnaphthalene	1	0		8.11	49.65	50			0.870	0.864	0.69	
Dimethylnaphthalenes	1	0		8.11	49.65	50	20			0.864	0.69	
Diphenyl Ether	1	0		7.89	53.30	50			0.820	0.874	6.60	
2-Nitroaniline	1	0		7.90	50.02	50			0.431	0.431	0.04	
Coumarin	1	0		8.09	47.75				0.492			
Acenaphthylene	1	0		8.19	50.86	50			1.920	1.953	1.71	
Dimethylphthalate	1	0		8.05	50.24	50			1.388	1.394	0.47	
2.6-Dinitrotoluene	1	0		8.11	47.09	50			0.292	0.275	5.81	
Acenaphthene	1	0	CC	8.34	51.45	50	20		1.225	1.260	2.90	
3-Nitroaniline	1	0		8.26	51.22	50			0.369	0.378	2.45	
2.4-Dinitrophenol	1	0	CP	8.35	40.39	50	0.05		0.178	0.148	19.21	
Dibenzofuran	1	0		8.49	48.03	50			1.705	1.638	3.95	
2.4-Dinitrotoluene	1	0		8.47	48.47	50			0.421	0.408	3.06	
4-Nitrophenol	1	0	CP	8.38	45.94	50	0.05		0.301	0.298	8.12	
2.3.4.6-Tetrachlorophenol	1	0		8.60	48.27	50			0.332	0.320	3.46	
Fluorene	1	0		8.82	48.28	50			1.414	1.365	3.45	
4-Chlorophenyl-phenylether	1	0		8.81	48.05	50			0.633	0.608	3.91	
Diethylphthalate	1	0		8.69	48.66	50			1.466	1.427	2.67	
4-Nitroaniline	1	0		8.82	46.24	50			0.404	0.374	7.53	
Atrazine	1	0		9.45	44.85	50			0.359	0.322	10.30	
Phenanthrene-d10	1	0	I	9.77	40.00	40				0.000	0.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 9M41983.D **Instrument:** GCMS 9

Cont Calibration Date/Time 3/14/2012 9:16:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
4,6-Dinitro-2-methylphenol	1	0		8.85	47.79	50			0.114	0.117	4.43	
n-Nitrosodiphenylamine	1	0	CC	8.92	53.46	50	20		0.643	0.687	6.91	
2,4,6-Tribromophenol	1	0	S	9.05	52.37	50			0.072	0.076	4.73	
1,2-Diphenylhydrazine	1	0		8.96	60.81	50			0.802	0.975	21.62	
4-Bromophenyl-phenylether	1	0		9.30	51.00	50			0.190	0.194	2.00	
Hexachlorobenzene	1	0		9.36	50.06	50			0.183	0.183	0.12	
N-Octadecane	1	0		9.63	62.04	50			0.432	0.536	24.08	
Pentachlorophenol	1	0	CC	9.56	49.01	50	20		0.130	0.134	1.98	
Phenanthrene	1	0		9.80	51.75	50			1.121	1.161	3.50	
Anthracene	1	0		9.86	54.60	50			1.128	1.232	9.20	
Carbazole	1	0		10.02	52.46	50			1.142	1.198	4.93	
Di-n-butylphthalate	1	0		10.40	56.04	50			1.333	1.494	12.07	
Fluoranthene	1	0	CC	11.13	51.31	50	20		1.274	1.308	2.63	
Chrysene-d12	1	0	I	12.83	40.00	40				0.000	0.00	
Pyrene	1	0		11.40	53.29	50			1.256	1.338	6.58	
Benzidine	1	0		11.29	43.44	50			0.403	0.425	13.12	
Terphenyl-d14	1	0	S	11.58	26.12	25			0.752	0.786	4.47	
4,4'-DDE	1	0		11.52	54.54				0.234			
4,4'-DDD	1	0		11.91	54.19				0.374			
Butylbenzylphthalate	1	0		12.17	55.81	50			0.589	0.658	11.62	
4,4'-DDT	1	0		12.27	53.00				0.323			
3,3'-Dichlorobenzidine	1	0		12.79	51.79	50			0.322	0.353	3.58	
Benzo[a]anthracene	1	0		12.82	50.79	50			1.198	1.217	1.57	
Chrysene	1	0		12.86	51.53	50			1.071	1.104	3.06	
bis(2-Ethylhexyl)phthalate	1	0		12.86	57.33	50			0.781	0.896	14.67	
Perylene-d12	1	0	I	14.46	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	13.61	58.25	50	20		1.522	1.839	16.51	
Benzo[b]fluoranthene	1	0		14.04	51.06	50			1.178	1.203	2.11	
Benzo[k]fluoranthene	1	0		14.07	53.24	50			1.119	1.191	6.48	
Benzo[a]pyrene	1	0	CC	14.40	51.20	50	20		1.095	1.121	2.40	
Indeno[1,2,3-cd]pyrene	1	0		15.80	53.81	50			1.129	1.215	7.61	
Dibenzo[a,h]anthracene	1	0		15.83	52.75	50			0.927	0.978	5.49	
Benzo[g,h,i]perylene	1	0		16.19	53.60	50			0.952	1.021	7.21	
Endrin	1	100		0.00	0.00	50				0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.732	0.000	100.00	
2,4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	
2,2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			0.870	0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

FORM8

Internal Standard Areas

Evaluation Std Data File: 5M73344.D Method: EPA 8270C

Analysis Date/Time: 03/06/12 08:35

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	37834	5.62	144545	6.64	89009	8.04	173117	9.49	234971	12.55	248275	14.25
Eval File Area Limit:	18917-75668		72272-289090		44504-178018		86558-346234		117486-469942		124138-496550	
Eval File Rt Limit:	5.12-6.12		6.14-7.14		7.54-8.54		8.99-9.99		12.05-13.05		13.75-14.75	

Data File	Sample												
5M73344.D	CAL BNA@50	37834	5.62	144545	6.64	89009	8.04	173117	9.49	234971	12.55	248275	14.25
5M73345.D	CAL BNA@19	39260	5.62	155657	6.64	102862	8.06	211182	9.50	286512	12.56	295776	14.21
5M73346.D	CAL BNA@16	53863	5.62	207095	6.64	132965	8.05	264044	9.50	330996	12.56	292385	14.22
5M73347.D	CAL BNA@12	43609	5.62	173682	6.64	109341	8.05	211475	9.50	311861	12.56	335218	14.26
5M73348.D	CAL BNA@10	50056	5.62	194193	6.63	122537	8.04	239933	9.49	317957	12.54	329523	14.22
5M73349.D	CAL BNA@20	56624	5.62	212942	6.64	137904	8.05	262653	9.49	339934	12.55	327758	14.21
5M73350.D	CAL BNA@2F	55670	5.62	213549	6.64	134505	8.05	261987	9.50	297763	12.55	278722	14.22
5M73351.D	CAL BNA@.5	40748	5.62	159688	6.64	94486	8.06	186962	9.50	243297	12.54	260452	14.19
5M73352.D	CAL BNA@80	51800	5.62	200365	6.64	128452	8.05	258407	9.50	335907	12.55	345723	14.20
5M73355.D	ICV BNA@50	48766	5.62	188693	6.65	120815	8.07	233469	9.51	331779	12.56	343251	14.24
5M73356.D	TEST 2PPM	52719	5.62	200339	6.65	127433	8.09	251709	9.52	322479	12.56	320023	14.24

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 10M28642.D Method: EPA 8270C

Analysis Date/Time: 03/07/12 12:41

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	35516	5.69	133602	6.70	84035	8.10	152794	9.55	157287	12.59	132646	14.19
Eval File Area Limit:	17758-71032		66801-267204		42018-168070		76397-305588		78644-314574		66323-265292	
Eval File Rt Limit:	5.19-6.19		6.2-7.2		7.6-8.6		9.05-10.05		12.09-13.09		13.69-14.69	

Data File	Sample												
10M28634.	CAL BNA@19	47857	5.69	181250	6.70	108717	8.11	208604	9.56	238102	12.60	166595	14.20
10M28635.	CAL BNA@16	52316	5.69	199109	6.70	121660	8.11	235064	9.55	267831	12.60	192162	14.20
10M28636.	CAL BNA@12	50381	5.69	193450	6.70	115265	8.10	214777	9.55	217043	12.60	171105	14.20
10M28637.	CAL BNA@80	42949	5.69	163474	6.70	100764	8.10	196845	9.55	209644	12.60	172037	14.20
10M28638.	CAL BNA@20	40320	5.69	153253	6.70	96444	8.10	185014	9.55	175432	12.59	155914	14.19
10M28639.	CAL BNA@10	45039	5.69	175427	6.70	114594	8.10	216649	9.55	207378	12.59	185171	14.19
10M28640.	CAL BNA@.5	39395	5.69	154743	6.70	98230	8.10	189540	9.55	181997	12.59	162533	14.19
10M28641.	CAL BNA@2F	50909	5.69	192804	6.70	123045	8.10	238124	9.55	220520	12.59	203005	14.19
10M28642.	CAL BNA@50	35516	5.69	133602	6.70	84035	8.10	152794	9.55	157287	12.59	132646	14.19
10M28643.	ICV BNA@50	38706	5.68	143205	6.70	91119	8.10	167263	9.55	162972	12.59	134534	14.19
10M28644.	BNAMDL-1(A	43949	5.68	171680	6.70	111204	8.10	214951	9.55	231180	12.59	216733	14.19
10M28645.	BNAMDL-2(A	42348	5.68	164505	6.70	103091	8.10	189435	9.55	187745	12.59	171532	14.19
10M28646.	BNAMDL-3(A	37894	5.68	144380	6.70	89422	8.10	163917	9.55	159249	12.59	143863	14.19
10M28647.	BNAMDL-4(A	46629	5.68	185620	6.70	115000	8.10	217764	9.55	214950	12.59	197018	14.19
10M28648.	BNAMDL-5(A	38732	5.68	146755	6.70	91790	8.10	186327	9.55	203813	12.59	193227	14.19
10M28649.	BNAMDL-6(A	39652	5.68	148722	6.70	89599	8.10	171222	9.55	162063	12.59	147748	14.19
10M28650.	BNAMDL-7(A	35101	5.68	138090	6.70	87531	8.10	165010	9.55	162842	12.59	151221	14.19
10M28651.	BNAMDL-8(A	36586	5.68	144752	6.70	90749	8.10	172189	9.55	168361	12.59	157772	14.19
10M28652.	BNAMDL-9(A	36429	5.69	140008	6.70	91107	8.10	174497	9.55	170274	12.59	155139	14.19
10M28653.	BNAMDL-VEF.	35970	5.69	139994	6.70	90011	8.10	168991	9.55	159630	12.59	145722	14.19
10M28654.	AC64581-001(	33357	5.68	129816	6.70	83008	8.10	156919	9.55	160305	12.59	152027	14.19
10M28655.	AC64581-002(	25971	5.69	99414	6.70	59059	8.10	112550	9.55	122299	12.59	115919	14.19
10M28656.	AC64574-001(	26683	5.69	104310	6.70	69450	8.10	118026	9.55	105884	12.59	93111	14.19
10M28657.	AC64574-002(	46463	5.69	175237	6.70	109078	8.10	200601	9.55	182358	12.59	162330	14.19
10M28658.	AC64574-003(	44594	5.69	165694	6.70	105671	8.10	187825	9.55	164422	12.59	147694	14.19
10M28659.	AC64574-004(	56400	5.69	227903	6.70	171395 A	8.11	304638	9.56	230344	12.60	183575	14.19
10M28660.	SMB13702(M	47434	5.69	170512	6.70	101437	8.10	180392	9.55	161378	12.59	139911	14.19
10M28661.	SMB13702	47432	5.69	173004	6.70	106497	8.10	189087	9.55	162999	12.59	133971	14.19
10M28662.	AC64581-001	43365	5.69	157866	6.70	94649	8.10	160770	9.55	154220	12.59	144423	14.19
10M28663.	AC64504-001	38880	5.68	143288	6.70	86649	8.10	158345	9.55	172258	12.60	148883	14.20

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	624/8260 Internal Standard concentration = 30ug/L
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 9M41873.D Method: EPA 8270C

Analysis Date/Time: 03/09/12 09:57

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	50000	5.86	218070	6.87	130586	8.31	256302	9.77	272759	12.83	251200	14.45
Eval File Area Limit:	25000-100000		109035-436140		65293-261172		128151-512604		136380-545518		125600-502400	
Eval File Rt Limit:	5.36-6.36		6.37-7.37		7.81-8.81		9.27-10.27		12.33-13.33		13.95-14.95	

Data File	Sample												
9M41873.D	CAL BNA@5C	50000	5.86	218070	6.87	130586	8.31	256302	9.77	272759	12.83	251200	14.45
9M41874.D	CAL BNA@1S	44900	5.86	198598	6.87	126912	8.31	235237	9.78	247737	12.84	235380	14.46
9M41875.D	CAL BNA@16	52034	5.86	221303	6.87	135063	8.31	261884	9.78	275200	12.84	253450	14.46
9M41876.D	CAL BNA@12	53130	5.86	214971	6.87	131388	8.31	258441	9.78	271293	12.84	241979	14.46
9M41877.D	CAL BNA@8C	46528	5.86	212424	6.87	124858	8.31	236704	9.77	255557	12.83	238271	14.46
9M41878.D	CAL BNA@2C	57200	5.86	246225	6.87	151409	8.31	272530	9.77	298225	12.83	265142	14.45
9M41879.D	CAL BNA@1C	57653	5.86	250449	6.87	148344	8.31	278534	9.77	300112	12.83	264629	14.45
9M41880.D	CAL BNA@.5	48771	5.86	206968	6.87	135615	8.31	270485	9.77	297319	12.83	269347	14.45
9M41881.D	CAL BNA@2F	48450	5.86	209592	6.87	128916	8.31	263097	9.77	276170	12.83	254166	14.45
9M41882.D	ICV BNA@50	50752	5.86	216926	6.87	132151	8.31	250277	9.78	281857	12.83	248269	14.46
9M41883.D	SMB13718	40577	5.86	187495	6.87	114182	8.31	220540	9.77	256858	12.83	223913	14.45
9M41884.D	WMB13724(M	55417	5.86	225199	6.87	136355	8.31	252940	9.77	259791	12.84	251004	14.46
9M41885.D	WMB13724	46337	5.86	199761	6.87	110965	8.31	232770	9.77	251291	12.83	230312	14.45
9M41886.D	AC64573-006	51233	5.86	221921	6.87	143220	8.31	278431	9.77	311284	12.83	281798	14.45
9M41887.D	AC64573-006(	44834	5.86	200378	6.87	122628	8.31	228171	9.77	241051	12.83	221752	14.46
9M41888.D	AC64573-006(	56862	5.86	221230	6.87	145562	8.31	258611	9.77	279103	12.83	250080	14.46
9M41889.D	AC64605-003	64428	5.86	281098	6.87	162994	8.31	293454	9.77	298915	12.84	218742	14.47
9M41890.D	AC64605-001	54066	5.86	222387	6.87	134152	8.31	233464	9.77	225766	12.83	189675	14.46
9M41891.D	AC64605-005	59403	5.86	267074	6.87	168366	8.31	306517	9.77	304722	12.83	274059	14.46
9M41892.D	AC64605-007	50884	5.86	219361	6.87	128128	8.31	238847	9.77	228471	12.83	184101	14.45
9M41893.D	AC64605-008	52785	5.86	239037	6.87	138239	8.31	257967	9.77	252750	12.83	211459	14.45
9M41894.D	AC64573-007	66555	5.86	282250	6.87	156785	8.31	313684	9.77	344167	12.83	285267	14.45
9M41895.D	AC64573-008	62238	5.86	281178	6.87	167675	8.31	307027	9.77	333995	12.83	278492	14.45
9M41896.D	AC64573-005	47351	5.86	204938	6.87	122746	8.31	244801	9.77	256268	12.83	216680	14.45

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10
I2 =	Naphthalene-d8	I5 =	Chrysene-d12
I3 =	Acenaphthene-d10	I6 =	Perylene-d12

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
624/8260 Internal Standard concentration = 30ug/L
524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 5M73434.D Method: EPA 8270C

Analysis Date/Time: 03/11/12 13:42

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	46867	5.59	185663	6.61	115910	8.02	232559	9.46	313309	12.51	333069	14.12
Eval File Area Limit:	23434-93734		92832-371326		57955-231820		116280-465118		156654-626618		166534-666138	
Eval File Rt Limit:	5.09-6.09		6.11-7.11		7.52-8.52		8.96-9.96		12.01-13.01		13.62-14.62	

Data File	Sample												
5M73435.D	SMB13730	60316	5.60	227431	6.61	143882	8.02	281820	9.46	330827	12.51	313526	14.11
5M73436.D	SMB13732	51765	5.59	204783	6.61	127777	8.01	260772	9.46	332373	12.51	344798	14.11
5M73437.D	WMB13711	59213	5.59	234539	6.61	151586	8.01	300906	9.46	392765	12.50	408209	14.11
5M73438.D	WMB13734	51954	5.59	206749	6.61	136538	8.01	268587	9.46	353917	12.50	374355	14.11
5M73439.D	WMB13724	49804	5.59	193752	6.61	124099	8.01	244823	9.46	314430	12.50	334165	14.11
5M73440.D	SMB13730(M	45237	5.59	172393	6.61	113915	8.01	229107	9.46	293053	12.50	292850	14.11
5M73441.D	SMB13732(M	42029	5.59	158945	6.61	103195	8.01	205661	9.46	256272	12.50	257361	14.11
5M73445.D	AC64632-001	57413	5.59	223199	6.61	144891	8.01	287527	9.46	345855	12.51	325001	14.11
5M73446.D	AC64632-001(	44051	5.59	171577	6.61	113127	8.01	237473	9.46	301899	12.51	300058	14.11
5M73447.D	AC64632-001(	47174	5.59	184187	6.61	121281	8.01	235326	9.46	303043	12.50	311492	14.11
5M73448.D	AC64563-006(	55345	5.59	210284	6.61	138697	8.02	271500	9.46	340726	12.51	315391	14.12
5M73449.D	AC64563-006(	44329	5.59	169844	6.61	115961	8.02	235958	9.46	318902	12.51	321414	14.11
5M73450.D	AC64563-006	41537	5.59	159839	6.61	108874	8.02	217583	9.46	278553	12.50	287107	14.11
5M73451.D	AC64563-005	48461	5.59	174604	6.61	123727	8.02	246908	9.46	332439	12.51	298959	14.12
5M73452.D	AC64606-001	45982	5.59	184731	6.61	123660	8.01	245744	9.46	312544	12.51	294389	14.11
5M73453.D	AC64606-002	51401	5.59	193699	6.61	124787	8.01	240113	9.46	272975	12.50	227231	14.11
5M73454.D	AC64635-002	50413	5.59	200647	6.61	133964	8.01	262923	9.46	317385	12.51	292945	14.11
5M73455.D	AC64635-003	56021	5.59	214228	6.61	141281	8.01	268260	9.46	314126	12.51	276111	14.11
5M73456.D	AC64563-008	50497	5.60	160229	6.62	117117	8.03	230954	9.48	277767	12.51	236211	14.11
5M73457.D	AC64563-011	60989	5.60	181125	6.62	138766	8.03	267084	9.48	302509	12.51	254771	14.11

I1 =	1.4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 10M28770.D Method: EPA 8270C

Analysis Date/Time: 03/11/12 14:03

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	32773	5.67	117203	6.67	69808	8.08	133570	9.53	135832	12.57	107429	14.17
Eval File Area Limit:	16386-65546		58602-234406		34904-139616		66785-267140		67916-271664		53714-214858	
Eval File Rt Limit:	5.17-6.17		6.17-7.17		7.58-8.58		9.03-10.03		12.07-13.07		13.67-14.67	

Data File	Sample												
10M28771.	SMB13730	52174	5.67	194562	6.67	120133	8.08	231232	9.53	251116	12.57	231538 A	14.17
10M28772.	SMB13732	50248	5.67	188333	6.67	121678	8.08	228455	9.53	244591	12.57	206876	14.17
10M28773.	AC64635-004	46717	5.67	173931	6.67	107125	8.08	191573	9.53	173533	12.57	138843	14.17
10M28774.	AC64635-005	47046	5.67	178544	6.67	112431	8.08	203514	9.53	181707	12.56	133509	14.17
10M28775.	AC64563-001	61384	5.67	270044 A	6.69	128562	8.13	262897	9.59	210740	12.58	168736	14.17
10M28776.	AC64563-002	68124 A	5.67	290963 A	6.69	193004 A	8.14	293888 A	9.58	245074	12.58	196218	14.18
10M28777.	AC64563-003	59661	5.67	280451 A	6.69	117483	8.14	269730 A	9.60	235921	12.59	189205	14.18
10M28778.	AC64563-004	75673 A	5.67	297626 A	6.69	208219 A	8.12	259054	9.58	209432	12.58	179531	14.18
10M28779.	AC64563-007	68959 A	5.67	301401 A	6.69	214871 A	8.11	306331 A	9.56	192349	12.57	160569	14.17
10M28780.	AC64563-009	60506	5.67	229554	6.68	149145 A	8.09	249735	9.53	208674	12.57	165070	14.17
10M28781.	AC64563-010	88891 A	5.68	264997 A	6.70	198276 A	8.12	245180	9.57	192691	12.57	176799	14.17
10M28782.	AC64563-012	67952 A	5.67	264302 A	6.69	187210 A	8.10	235813	9.55	185599	12.57	178551	14.17
10M28783.	AC64563-013	51577	5.67	197520	6.68	140988 A	8.09	225511	9.54	177917	12.57	164187	14.17
10M28784.	AC64563-014	47367	5.67	174872	6.68	112639	8.08	197862	9.53	164808	12.57	162502	14.17
10M28785.	AC64563-016	58230	5.67	212611	6.67	130005	8.08	216812	9.53	191819	12.57	192223	14.18
10M28786.	AC64591-001	49592	5.67	175760	6.67	110927	8.08	183947	9.53	154853	12.57	159109	14.17
10M28787.	AC64591-003	50562	5.67	178183	6.67	108554	8.08	188067	9.53	151475	12.57	147518	14.17
10M28788.	AC64662-001	61288	5.67	276809 A	6.68	179218 A	8.11	279973 A	9.56	200963	12.58	176845	14.18
10M28789.	AC64634-001	45591	5.67	154196	6.67	95723	8.08	168412	9.53	158962	12.57	157986	14.17
10M28790.	AC64635-001	51019	5.67	190020	6.67	124378	8.08	227397	9.53	196580	12.57	175144	14.18
10M28791.	AC64549-008	57318	5.67	213215	6.67	137256	8.08	258963	9.53	233384	12.57	210176	14.18
10M28792.	AC64549-007(	39203	5.67	136869	6.67	87411	8.08	170067	9.53	277026 A	12.60	318942 A	14.22
10M28793.	AC64605-016(	45072	5.67	160784	6.67	97346	8.08	180142	9.53	229697	12.57	214995 A	14.18
10M28794.	AC64605-010(	41968	5.67	149616	6.67	93509	8.08	177742	9.53	201303	12.57	188152	14.18
10M28795.	AC64554-019(	38826	5.67	141304	6.67	92062	8.08	177991	9.53	184784	12.57	170907	14.17
10M28796.	AC64661-001(	42951	5.67	147912	6.67	89028	8.08	165618	9.53	272953 A	12.58	273711 A	14.19
10M28797.	AC64563-015(	41609	5.67	159815	6.67	111807	8.09	212703	9.54	194411	12.57	185503	14.18
10M28798.	AC64635-007(	40891	5.67	147541	6.67	96441	8.08	180188	9.53	186510	12.57	177934	14.17
10M28799.	AC64635-008(	38846	5.67	137362	6.67	86425	8.08	160176	9.53	165175	12.57	158404	14.17
10M28800.	AC64635-010(	43455	5.67	153694	6.67	92118	8.08	171371	9.53	173672	12.57	168825	14.17

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	624/8260 Internal Standard concentration = 30ug/L
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 10M28802.D Method: EPA 8270C

Analysis Date/Time: 03/12/12 08:58

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	44683	5.66	175279	6.67	116192	8.08	240842	9.53	312008	12.57	251506	14.18
Eval File Area Limit:	22342-89366		87640-350558		58096-232384		120421-481684		156004-624016		125753-503012	
Eval File Rt Limit:	5.16-6.16		6.17-7.17		7.58-8.58		9.03-10.03		12.07-13.07		13.68-14.68	

Data File	Sample												
10M28803.	AC64554-004	47084	5.66	185918	6.67	130088	8.08	254793	9.53	230773	12.57	178314	14.17
10M28804.	AC64554-023	48893	5.66	193701	6.67	141289	8.08	279466	9.53	230817	12.57	196004	14.17
10M28805.	SMB13730	45318	5.66	180485	6.67	123557	8.08	247083	9.53	224570	12.57	178386	14.17
10M28806.	AC64605-015(	45434	5.66	184514	6.67	124976	8.08	259697	9.53	250857	12.57	188427	14.18
10M28807.	AC64605-009(	44569	5.66	177244	6.67	126321	8.08	254433	9.53	221336	12.57	189913	14.18
10M28808.	AC64605-011(	46123	5.67	187035	6.67	126004	8.08	240378	9.53	266025	12.58	278134	14.20
10M28809.	AC64605-012(	40354	5.67	167328	6.67	121571	8.08	244006	9.53	252063	12.58	271122	14.19
10M28810.	AC64605-016(	42733	5.67	171985	6.67	122320	8.08	244057	9.53	232605	12.58	200590	14.18
10M28811.	AC64661-001(	40494	5.67	167317	6.67	120812	8.08	248860	9.53	325483	12.59	311440	14.21
10M28812.	AC64662-001(	50142	5.67	219587	6.68	191650	8.09	362628	9.55	225081	12.58	184958	14.18
10M28813.	AC64563-007(	52342	5.67	239394	6.68	202269	8.09	367415	9.54	239822	12.57	198963	14.18
10M28814.	AC64563-009(	47866	5.67	191535	6.67	132823	8.08	256986	9.53	205649	12.57	171843	14.18
10M28815.	AC64563-013(	40667	5.67	169343	6.67	128782	8.08	255658	9.53	214229	12.57	174298	14.18
10M28816.	AC64563-001(	49761	5.67	248234	6.68	213690	8.10	378362	9.55	220512	12.57	176294	14.18
10M28817.	AC64563-002(	48500	5.67	238929	6.68	205658	8.09	355068	9.55	225776	12.57	182371	14.18
10M28818.	AC64563-003(	53810	5.67	254446	6.68	225063	8.10	394257	9.55	220444	12.57	181099	14.18
10M28819.	AC64563-004(	39093	5.67	167998	6.67	138639	8.08	279878	9.54	204794	12.57	168367	14.17
10M28820.	AC64563-010(	40156	5.67	177719	6.67	136166	8.08	271237	9.53	210505	12.57	164601	14.17
10M28821.	AC64563-012(	44745	5.66	179053	6.67	131990	8.08	264092	9.53	201755	12.57	166183	14.17

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 9M41983.D Method: EPA 8270C

Analysis Date/Time: 03/14/12 09:16

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	66720	5.86	271186	6.87	145993	8.31	245915	9.77	246940	12.83	211497	14.46
Eval File Area Limit:	33360-133440		135593-542372		72996-291986		122958-491830		123470-493880		105748-422994	
Eval File Rt Limit:	5.36-6.36		6.37-7.37		7.81-8.81		9.27-10.27		12.33-13.33		13.96-14.96	

Data File	Sample												
9M41984.D	WMB13749	95001	5.86	346654	6.87	192302	8.31	324118	9.77	322144	12.83	281550	14.46
9M41985.D	WMB13749(M	68124	5.86	248517	6.87	138679	8.31	236562	9.77	219242	12.83	191971	14.45
9M41986.D	AC64675-007	65036	5.86	250121	6.87	136292	8.30	232281	9.77	218111	12.83	193200	14.45
9M41987.D	AC64675-008(	67007	5.86	235944	6.87	139123	8.31	238534	9.77	203154	12.83	183400	14.45
9M41988.D	AC64675-009(	64205	5.86	247562	6.87	135620	8.31	234564	9.77	213850	12.83	189540	14.45
9M41989.D	AC64634-002	82575	5.86	298949	6.87	172510	8.31	284167	9.77	262661	12.83	223487	14.45
9M41991.D	AC64675-001	72780	5.86	281233	6.87	155912	8.31	260412	9.77	233532	12.83	189841	14.45
9M41992.D	AC64675-002	105248	5.86	402426	6.87	209876	8.31	348900	9.77	314436	12.83	264178	14.45
9M41993.D	AC64675-003	55133	5.87	286676	6.87	166233	8.31	287612	9.77	269020	12.83	208161	14.46
9M41994.D	AC64675-004	73774	5.86	263139	6.87	154236	8.30	262268	9.77	250891	12.82	209290	14.45
9M41995.D	AC64675-005	67135	5.86	263527	6.87	137182	8.31	235351	9.77	219714	12.82	179155	14.45
9M41996.D	AC64633-007	68535	5.86	259585	6.87	137200	8.31	233470	9.77	223656	12.83	187075	14.45
9M41997.D	AC64633-009	76235	5.86	281606	6.87	146905	8.30	257970	9.77	236838	12.83	205377	14.45
9M41998.D	AC64633-010	65666	5.86	251477	6.87	130117	8.30	238651	9.77	215189	12.82	179934	14.45
9M41999.D	AC64675-004(	106089	5.86	388103	6.87	218618	8.31	380472	9.77	328292	12.83	270131	14.45
9M42000.D	AC64675-003(	118194	5.87	472785	6.87	270866	8.31	475226	9.77	402933	12.83	314952	14.46

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

Metal Data

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC64634-001	% Solid:	89	Lab Name:	Veritech	Nras No:	
Client Id:	B-5	Units:	MG/KG	Lab Code:		Sdg No:	
Matrix:	SOIL	Date Rec:	3/9/2012	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	220	16000	1	0.5	50	03/12/12	15330	S13667B	41	P	PEICPRAD1A
7440-36-0	Antimony	2.2	ND	1	0.5	50	03/12/12	15330	S13667A3	43	P	PEICP3A
7440-38-2	Arsenic	2.2	3.1	1	0.5	50	03/12/12	15330	S13667A3	43	P	PEICP3A
7440-39-3	Barium	11	120	1	0.5	50	03/12/12	15330	S13667A3	43	P	PEICP3A
7440-41-7	Beryllium	0.67	0.94	1	0.5	50	03/12/12	15330	S13667A3	43	P	PEICP3A
7440-43-9	Cadmium	0.67	ND	1	0.5	50	03/12/12	15330	S13667A3	43	P	PEICP3A
7440-70-2	Calcium	1100	2500	1	0.5	50	03/12/12	15330	S13667C	24	P	PEICPRAD1A
7440-47-3	Chromium	5.6	36	1	0.5	50	03/12/12	15330	S13667A3	43	P	PEICP3A
7440-48-4	Cobalt	2.8	13	1	0.5	50	03/12/12	15330	S13667A3	43	P	PEICP3A
7440-50-8	Copper	5.6	31	1	0.5	50	03/12/12	15330	S13667A3	43	P	PEICP3A
7439-89-6	Iron	220	26000	1	0.5	50	03/12/12	15330	S13667B	41	P	PEICPRAD1A
7439-92-1	Lead	5.6	40	1	0.5	50	03/12/12	15330	S13667A3	43	P	PEICP3A
7439-95-4	Magnesium	560	6000	1	0.5	50	03/12/12	15330	S13667B	41	P	PEICPRAD1A
7439-96-5	Manganese	11	390	1	0.5	50	03/12/12	15330	S13667A3	43	P	PEICP3A
7439-97-6	Mercury	0.094	0.11	1	0.15	25	03/12/12	15330	H13667S	35	CV	HGCV2A
7440-02-0	Nickel	5.6	25	1	0.5	50	03/12/12	15330	S13667A3	43	P	PEICP3A
7440-09-7	Potassium	560	4500	1	0.5	50	03/12/12	15330	S13667B	41	P	PEICPRAD1A
7782-49-2	Selenium	2.0	ND	1	0.5	50	03/12/12	15330	S13667A3	43	P	PEICP3A
7440-22-4	Silver	1.7	ND	1	0.5	50	03/12/12	15330	S13667A3	43	P	PEICP3A
7440-23-5	Sodium	280	ND	1	0.5	50	03/13/12	15330	S13667B3	41	P	PEICPRAD3A
7440-28-0	Thallium	1.3	ND	1	0.5	50	03/12/12	15330	S13667A3	43	P	PEICP3A
7440-62-2	Vanadium	11	45	1	0.5	50	03/12/12	15330	S13667A3	43	P	PEICP3A
7440-66-6	Zinc	11	82	1	0.5	50	03/12/12	15330	S13667A3	43	P	PEICP3A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID: MB 15330 (100) % Solid: 0 Lab Name: Veritech
Client Id: MB 15330 (100) Units: MG/KG Lab Code:
Matrix: SOIL
Level: LOW

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	200	ND	1	0.5	50	03/12/12	15330	S13667B	10	P	PEICPRAD1A
7440-36-0	Antimony	2.0	ND	1	0.5	50	03/12/12	15330	S13667A3	11	P	PEICP3A
7440-38-2	Arsenic	2.0	ND	1	0.5	50	03/12/12	15330	S13667A3	11	P	PEICP3A
7440-39-3	Barium	10	ND	1	0.5	50	03/12/12	15330	S13667A3	11	P	PEICP3A
7440-41-7	Beryllium	0.60	ND	1	0.5	50	03/12/12	15330	S13667A3	11	P	PEICP3A
7440-43-9	Cadmium	0.60	ND	1	0.5	50	03/12/12	15330	S13667A3	11	P	PEICP3A
7440-70-2	Calcium	1000	ND	1	0.5	50	03/12/12	15330	S13667B	10	P	PEICPRAD1A
7440-47-3	Chromium	5.0	ND	1	0.5	50	03/12/12	15330	S13667A3	11	P	PEICP3A
7440-48-4	Cobalt	2.5	ND	1	0.5	50	03/12/12	15330	S13667A3	11	P	PEICP3A
7440-50-8	Copper	5.0	ND	1	0.5	50	03/12/12	15330	S13667A3	11	P	PEICP3A
7439-89-6	Iron	200	ND	1	0.5	50	03/12/12	15330	S13667B	10	P	PEICPRAD1A
7439-92-1	Lead	5.0	ND	1	0.5	50	03/12/12	15330	S13667A3	11	P	PEICP3A
7439-95-4	Magnesium	500	ND	1	0.5	50	03/12/12	15330	S13667B	10	P	PEICPRAD1A
7439-96-5	Manganese	10	ND	1	0.5	50	03/12/12	15330	S13667A3	11	P	PEICP3A
7439-98-7	Molybdenum	2.5	ND	1	0.5	50	03/12/12	15330	S13667A3	11	P	PEICP3A
7440-02-0	Nickel	5.0	ND	1	0.5	50	03/12/12	15330	S13667A3	11	P	PEICP3A
7440-09-7	Potassium	500	ND	1	0.5	50	03/12/12	15330	S13667B	10	P	PEICPRAD1A
7782-49-2	Selenium	1.8	ND	1	0.5	50	03/12/12	15330	S13667A3	11	P	PEICP3A
7440-22-4	Silver	1.5	ND	1	0.5	50	03/12/12	15330	S13667A3	11	P	PEICP3A
7440-23-5	Sodium	250	ND	1	0.5	50	03/13/12	15330	S13667B3	10	P	PEICPRAD3A
7440-28-0	Thallium	1.2	ND	1	0.5	50	03/12/12	15330	S13667A3	11	P	PEICP3A
7440-31-5	Tin	5.7	ND	1	0.5	50	03/12/12	15330	S13667A3	11	P	PEICP3A
7440-32-6	Titanium	35	ND	1	0.5	50	03/12/12	15330	S13667A3	11	P	PEICP3A
7440-62-2	Vanadium	10	ND	1	0.5	50	03/12/12	15330	S13667A3	11	P	PEICP3A
7440-66-6	Zinc	10	ND	1	0.5	50	03/12/12	15330	S13667A3	11	P	PEICP3A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID: MB 15330 (167) % Solid: 0 Lab Name: Veritech
Client Id: MB 15330 (167) Units: MG/KG Lab Code:
Matrix: SOIL
Level: LOW

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7439-97-6	Mercury	0.083	ND	1	0.15	25	03/12/12	15330	H13667S	11	CV	HGCV2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

FORM 2
(ICV/CCV Summary)

Date Analyzed: 03/12/12
Data File: S13667A3
Prep Batch: 15330
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2030826

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

Analyte	ICV/CCV Amt	ICV (2) V-134051-7	Rec	CCV V-135453-19	Rec	CCV V-135453-25	Rec	CCV V-135453-36	Rec	CCV V-135453-46	Rec		Rec		Rec		Rec
Antimony	1/.5	1.01939	102	0.50095	100	0.50798	102	0.51082	102	0.51559	103						
Arsenic	1/.5	1.01416	101	0.50248	100	0.50280	101	0.50251	101	0.50720	101						
Barium	1/.5	1.03245	103	0.51408	103	0.50648	101	0.51533	103	0.51813	104						
Beryllium	1/.5	1.01426	101	0.50255	101	0.50488	101	0.50296	101	0.50006	100						
Cadmium	1/.5	1.06825	107	0.51993	104	0.52008	104	0.53038	106	0.53204	106						
Chromium	1/.5	1.01998	102	0.50699	101	0.50855	102	0.50721	101	0.51752	104						
Cobalt	1/.5	1.04039	104	0.51429	103	0.51161	102	0.51929	104	0.52213	104						
Copper	1/.5	1.03178	103	0.52206	104	0.51646	103	0.52431	105	0.52861	106						
Lead	1/.5	1.01663	102	0.51217	102	0.50609	101	0.52432	105	0.51253	103						
Manganese	1/.5	1.01700	102	0.50614	101	0.49721	99	0.50412	101	0.50827	102						
Molybdenum	1/.5	1.01844	102	0.51015	102	0.50697	101	0.50894	102	0.51118	102						
Nickel	1/.5	1.03126	103	0.51152	102	0.50936	102	0.51820	104	0.52528	105						
Selenium	1/.5	1.03151	103	0.50716	101	0.50744	101	0.50592	101	0.50560	101						
Silver	0.2/0.1	0.20220	101	0.10223	102	0.10084	101	0.10165	102	0.10292	103						
Thallium	1/.5	1.05680	106	0.53781	108	0.53252	107	0.54492	109	0.54356	109						
Vanadium	1/.5	1.01010	101	0.50741	101	0.50263	101	0.50798	102	0.51200	102						
Zinc	1/.5	1.06454	106	0.50813	102	0.50389	101	0.53012	106	0.52177	104						

Notes:
a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits:
ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-11

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 2
(ICV/CCV Summary)

Date Analyzed: 03/12/12
Data File: S13667B
Prep Batch: 15330
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICPRAD1A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2030826

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

Analyte	ICV/CCV Amt	ICV V-135455 (2)-6	Rec	CCV V-135454-18	Rec	CCV V-135454-24	Rec	CCV V-135454-34	Rec	CCV V-135454-44	Rec		Rec		Rec		Rec
Aluminum	10/5	9.98679	100	5.39553	108	5.24430	105	5.42594	109	5.44460	109						
Calcium	100/50	100.06300	100	53.39150	107	54.97810	110	56.23060	112 c	55.09610	110						
Iron	10/5	9.91803	99	5.35118	107	5.24145	105	5.40415	108	5.42227	108						
Magnesium	100/50	99.13960	99	53.88950	108	53.74320	107	54.37420	109	54.66630	109						
Potassium	100/50	101.25400	101	52.28110	105	54.20240	108	55.10310	110	54.00950	108						

Notes:
a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits:
ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-11

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 2
(ICV/CCV Summary)

Date Analyzed: 03/13/12
Data File: S13667B3
Prep Batch: 15330
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICPRAD3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2030826

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

Analyte	ICV/CCV Amt	ICV (2) V-134051-6	Rec	CCV V-135454-18	Rec	CCV V-135454-24	Rec	CCV V-135454-34	Rec	CCV V-135454-44	Rec		Rec		Rec		Rec
Sodium	100/50	102.22500	102	50.57670	101	49.71990	99	50.26850	101	50.32140	101						

Notes:
a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits:
ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-11

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 2
(ICV/CCV Summary)

Date Analyzed: 03/12/12
Data File: S13667C
Prep Batch: 15330
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICPRAD1A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2030826

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

Analyte	ICV/CCV Amt	ICV V-135455 (2)-6	Rec	CCV V-135454-17	Rec	CCV V-135454-27	Rec		Rec		Rec		Rec		Rec		Rec
Calcium	100/50	101.44600	101	50.83320	102	51.83880	104										

Notes:
a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits:
ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-11

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 2
(ICV/CCV Summary)

Date Analyzed: 03/12/12
Data File: H13667S
Prep Batch: 15330
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: HGCV2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2030826

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

Analyte	ICV/CCV Amt	ICV (2)-9	Rec	CCV-21	Rec	CCV-33	Rec	CCV-36	Rec		Rec		Rec		Rec		Rec
Mercury	20/10	21.57000	108	10.55000	106	10.52000	105	10.65000	106								

Notes:
a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits:
ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-11

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 03/12/12
Data File: S13667A3
Prep Batch: 15330
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2030826

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-134948-8	CCB V-134948-20	CCB V-134948-26	CCB V-134948-37	CCB V-134948-47	MB 15330 (100)-11		
Antimony	.02 U	.02 U	.02 U	.02 U	.02 U	2 U		
Arsenic	.02 U	.02 U	.02 U	.02 U	.02 U	2 U		
Barium	.1 U	.1 U	.1 U	.1 U	.1 U	10 U		
Beryllium	.006 U	.006 U	.006 U	.006 U	.006 U	.6 U		
Cadmium	.006 U	.006 U	.006 U	.006 U	.006 U	.6 U		
Chromium	.05 U	.05 U	.05 U	.05 U	.05 U	5 U		
Cobalt	.025 U	.025 U	.025 U	.025 U	.025 U	2.5 U		
Copper	.05 U	.05 U	.05 U	.05 U	.05 U	5 U		
Lead	.05 U	.05 U	.05 U	.05 U	.05 U	5 U		
Manganese	.1 U	.1 U	.1 U	.1 U	.1 U	10 U		
Molybdenum	.025 U	.025 U	.025 U	.025 U	.025 U	2.5 U		
Nickel	.05 U	.05 U	.05 U	.05 U	.05 U	5 U		
Selenium	.018 U	.018 U	.018 U	.018 U	.018 U	1.8 U		
Silver	.015 U	.015 U	.015 U	.015 U	.015 U	1.5 U		
Thallium	.012 U	.012 U	.012 U	.012 U	.012 U	1.2 U		
Vanadium	.1 U	.1 U	.1 U	.1 U	.1 U	10 U		
Zinc	.1 U	.1 U	.1 U	.1 U	.1 U	10 U		

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 03/12/12
Data File: S13667B
Prep Batch: 15330
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICPRAD1A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2030826

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-134948-7	CCB-19	CCB-25	CCB-35	CCB-45	MB 15330 (100)-10		
Aluminum	2 U	2 U	2 U	2 U	2 U	200 U		
Calcium	10 U	10 U	10 U	10 U	10 U	1000 U		
Iron	2 U	2 U	2 U	2 U	2 U	200 U		
Magnesium	5 U	5 U	5 U	5 U	5 U	500 U		
Potassium	5 U	5 U	5 U	5 U	5 U	500 U		

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 03/13/12
Data File: S13667B3
Prep Batch: 15330
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICPRAD3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2030826

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-134948-7	CCB V-134948-19	CCB V-134948-25	CCB V-134948-35	CCB V-134948-45	MB 15330 (100)-10		
Sodium	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	250 U		

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 03/12/12
Data File: S13667C
Prep Batch: 15330
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICPRAD1A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2030826

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-134948-7	CCB-18	CCB-28					
Calcium	10 U	10 U	10 U					

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 03/12/12
Data File: H13667S
Prep Batch: 15330
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: HGCV2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2030826

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB-10	CCB-22	CCB-34	CCB-37	MB 15330 (167)-11			
Mercury	.5 U	.5 U	.5 U	.5 U	83 U			

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 4
(ICSA/ICSAB Summary)

Date Analyzed: 03/12/12
Data File: S13667A3
Prep Batch: 15330
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2030826

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICSA/ICSAB: SOURCE: VHG LABS

Analyte	Spk Amt	ICSA V-134491-9	Rec	ICSAB V-134492-10	Rec	ICSA V-134491-23	Rec	ICSAB V-134492-24	Rec	ICSA V-134491-44	Rec	ICSAB V-134492-45	Rec		Rec		Rec
Aluminum	500	504.634	101	510.64400	102	499.019	100	513.93500	103	513.197	103	506.11100	101				
Antimony	1	U		1.03886	104	U		1.03392	103	U		1.02454	102				
Arsenic	1	U		1.06072	106	U		1.05338	105	U		1.04815	105				
Barium	.5	U		0.54070	108	U		0.54207	108	U		0.53722	107				
Beryllium	.5	U		0.51215	102	U		0.52673	105	U		0.51551	103				
Cadmium	1	U		1.09025	109	U		1.07940	108	U		1.05730	106				
Calcium	500	491.228	98	497.07000	99	486.476	97	500.40100	100	497.473	99	489.01200	98				
Chromium	.5	U		0.50559	101	U		0.50558	101	U		0.49334	99				
Cobalt	.5	U		0.49474	99	U		0.49090	98	U		0.48680	97				
Copper	.5	U		0.53476	107	U		0.53792	108	U		0.53812	108				
Iron	200	193.225	97	193.03000	97	189.334	95	198.39000	99	192.563	96	194.38900	97				
Lead	1	U		1.00961	101	U		0.99608	100	U		0.99148	99				
Magnesium	500	520.116	104	519.30300	104	508.398	102	533.46400	107	516.264	103	521.76500	104				
Manganese	.5	U		0.50554	101	U		0.50590	101	U		0.50130	100				
Nickel	1	U		0.98444	98	U		0.98345	98	U		0.97532	98				
Selenium	1	U		1.03003	103	U		1.02881	103	U		1.01250	101				
Silver	1	U		1.09282	109	U		1.09948	110	U		1.09678	110				
Thallium	1	U		0.98282	98	U		0.98443	98	U		0.97616	98				
Vanadium	.5	U		0.50883	102	U		0.50629	101	U		0.50402	101				
Zinc	1	U		1.01851	102	U		1.01765	102	U		1.01560	102				

Notes: a-indicates absolute value of the concentration > 2 * Reporting Limits In the ICSA
b-indicates absolute value of the concentration above Reporting Limits but < 2 * Reporting Limits in the ICSA
c-indicates the recovery failed the Qc Criteria in the ICSAB
u-indicates the absolute value of the concentration was below the reporting limit

FORM 4
(ICSA/ICSAB Summary)

Date Analyzed: 03/12/12
Data File: S13667B
Prep Batch: 15330
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICPRAD1A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2030826

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICSA/ICSAB: SOURCE: VHG LABS

Analyte	Spk Amt	ICSA V-135817-8	Rec	ICSAB V-135821-9	Rec	ICSA V-135817-22	Rec	ICSAB V-135821-23	Rec	ICSA V-135817-42	Rec	ICSAB V-135821-43	Rec		Rec		Rec
Aluminum	500	497.551	100	508.45700	102	509.453	102	506.22100	101	523.547	105	519.50700	104				
Calcium	500	491.232	98	501.19600	100	500.715	100	499.29000	100	513.251	103	509.80000	102				
Iron	200	190.482	95	194.68700	97	193.459	97	192.68500	96	197.572	99	196.19000	98				
Magnesium	500	498.356	100	508.70900	102	505.588	101	504.92500	101	517.974	104	514.80600	103				

Notes: a-indicates absolute value of the concentration > 2 * Reporting Limits In the ICSA
b-indicates absolute value of the concentration above Reporting Limits but < 2 * Reporting Limits in the ICSA
c-indicates the recovery failed the Qc Criteria in the ICSAB
u-indicates the absolute value of the concentration was below the reporting limit

FORM 4
(ICSA/ICSAB Summary)

Date Analyzed: 03/13/12
Data File: S13667B3
Prep Batch: 15330
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICPRAD3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2030826

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICSA/ICSAB: SOURCE: VHG LABS

Analyte	Spk Amt	ICSA V-135817-8	Rec	ICSAB V-135821-9	Rec	ICSA V-135817-22	Rec	ICSAB V-135821-23	Rec	ICSA V-135817-42	Rec	ICSAB V-135821-43	Rec		Rec		Rec
Aluminum	500	505.866	101	506.60300	101	492.633	99	500.54700	100	499.656	100	500.23300	100				
Calcium	500	513.531	103	515.64000	103	498.364	100	507.17900	101	507.774	102	507.38300	101				
Iron	200	194.07	97	195.23900	98	188.359	94	192.13900	96	191.785	96	192.19800	96				
Magnesium	500	511.156	102	514.42900	103	495.074	99	504.31900	101	504.478	101	504.83800	101				

Notes: a-indicates absolute value of the concentration > 2 * Reporting Limits In the ICSA
b-indicates absolute value of the concentration above Reporting Limits but < 2 * Reporting Limits in the ICSA
c-indicates the recovery failed the Qc Criteria in the ICSAB
u-indicates the absolute value of the concentration was below the reporting limit

FORM 4
(ICSA/ICSAB Summary)

Date Analyzed: 03/12/12
Data File: S13667C
Prep Batch: 15330
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICPRAD1A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2030826

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICSA/ICSAB: SOURCE: VHG LABS

Analyte	Spk Amt	ICSA V-135817-8	Rec	ICSAB V-135821-9	Rec	ICSA V-135817-25	Rec	ICSAB V-135821-26	Rec		Rec		Rec		Rec
Aluminum	500	479.461	96	486.21100	97	481.604	96	482.51800	97						
Calcium	500	474.747	95	480.91500	96	476.785	95	478.01400	96						
Iron	200	182.551	91	185.11800	93	183.129	92	183.81100	92						
Magnesium	500	478.707	96	485.39200	97	480.521	96	481.41300	96						

Notes: a-indicates absolute value of the concentration > 2 * Reporting Limits In the ICSA
b-indicates absolute value of the concentration above Reporting Limits but < 2 * Reporting Limits in the ICSA
c-indicates the recovery failed the Qc Criteria in the ICSAB
u-indicates the absolute value of the concentration was below the reporting limit

FORM5/FORM7

SPIKE RECOVERY DATA

PREP BATCH: 15330

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR Matrix: SOIL SampleID: LCS MR 15330

Analyte	BatchId	DF	Data Fil	Seq#:	Spk Conc:	Spk Adde	Recov	Qual	Lo Lim	Hi Lim
Aluminum	15330	1	S13667B	12	65.7808	84.0	78		47	152
Antimony	15330	1	S13667A3	13	0.8303	0.933	89		2.1	199
Arsenic	15330	1	S13667A3	13	0.9236	0.945	98		82	117
Barium	15330	1	S13667A3	13	1.6565	1.67	99		84	116
Beryllium	15330	1	S13667A3	13	0.5666	0.576	98		85	117
Cadmium	15330	1	S13667A3	13	0.6072	0.605	100		83	117
Calcium	15330	1	S13667B	12	64.3252	61.4	105		83	117
Chromium	15330	1	S13667A3	13	0.6646	0.704	94		82	118
Cobalt	15330	1	S13667A3	13	1.0506	1.02	103		83	117
Copper	15330	1	S13667A3	13	0.8080	0.796	102		84	116
Iron	15330	1	S13667B	12	112.6210	125	90		51	150
Lead	15330	1	S13667A3	13	0.9042	0.918	98		82	118
Magnesium	15330	1	S13667B	12	25.4328	25.8	99		76	124
Manganese	15330	1	S13667A3	13	2.7229	2.83	96		82	117
Mercury	15330	1	H13667S	13	23.1300	22.34	104		72	128
Nickel	15330	1	S13667A3	13	0.5847	0.576	102		83	117
Potassium	15330	1	S13667B	12	22.8027	24.9	92		70	130
Selenium	15330	1	S13667A3	13	0.8341	0.864	97		80	120
Silver	15330	1	S13667A3	13	0.3385	0.344	98		66	134
Sodium	15330	1	S13667B3	12	1.7029	2.15	79		67	133
Thallium	15330	1	S13667A3	13	1.2180	1.20	101		78	121
Vanadium	15330	1	S13667A3	13	0.4940	0.570	87		74	126
Zinc	15330	1	S13667A3	13	1.3724	1.40	98		82	118

TxtQcType: LCS Matrix: SOIL SampleID: LCS 15330

Analyte	BatchId	DF	Data Fil	Seq#:	Spk Conc:	Spk Adde	Recov	Qual	Lo Lim	Hi Lim
Aluminum	15330	1	S13667B	11	63.9164	84.0	76		47	152
Antimony	15330	1	S13667A3	12	0.8276	0.933	89		2.1	199
Arsenic	15330	1	S13667A3	12	0.9606	0.945	102		82	117
Barium	15330	1	S13667A3	12	1.6637	1.67	100		84	116
Beryllium	15330	1	S13667A3	12	0.5729	0.576	99		85	117
Cadmium	15330	1	S13667A3	12	0.6257	0.605	103		83	117
Calcium	15330	1	S13667B	11	63.5972	61.4	104		83	117
Chromium	15330	1	S13667A3	12	0.6802	0.704	97		82	118
Cobalt	15330	1	S13667A3	12	1.0851	1.02	106		83	117
Copper	15330	1	S13667A3	12	0.8286	0.796	104		84	116
Iron	15330	1	S13667B	11	114.7310	125	92		51	150
Lead	15330	1	S13667A3	12	0.9321	0.918	102		82	118
Magnesium	15330	1	S13667B	11	25.0085	25.8	97		76	124
Manganese	15330	1	S13667A3	12	2.7848	2.83	98		82	117
Mercury	15330	1	H13667S	12	23.3900	22.34	105		72	128
Nickel	15330	1	S13667A3	12	0.6019	0.576	104		83	117
Potassium	15330	1	S13667B	11	22.3160	24.9	90		70	130
Selenium	15330	1	S13667A3	12	0.8823	0.864	102		80	120
Silver	15330	1	S13667A3	12	0.3459	0.344	101		66	134
Sodium	15330	1	S13667B3	11	1.6386	2.15	76		67	133
Thallium	15330	1	S13667A3	12	1.2342	1.20	103		78	121
Vanadium	15330	1	S13667A3	12	0.5151	0.570	90		74	126
Zinc	15330	1	S13667A3	12	1.4287	1.40	102		82	118

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

FORM5/FORM7

SPIKE RECOVERY DATA

PREP BATCH: 15330

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: MSD Matrix: SOIL SampleID: AC64611-001

Analyte	BatchId	DF	Data Fil	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Adde	Recov	Qual	Lo Lim	Hi Lim
Aluminum	15330	1	S13667B	16	S13667B	13	38.6511	29.4855	5	183	b	75	125
Antimony	15330	1	S13667A3	17	S13667A3	14	0.4160	0.0405	0.50	75		75	125
Arsenic	15330	1	S13667A3	17	S13667A3	14	0.5825	0.1021	0.50	96		75	125
Barium	15330	1	S13667A3	17	S13667A3	14	1.3005	0.7736	0.50	105		75	125
Beryllium	15330	1	S13667A3	17	S13667A3	14	0.4902	0.006U	0.50	98		75	125
Cadmium	15330	1	S13667A3	17	S13667A3	14	0.5165	0.0067	0.50	102		75	125
Calcium	15330	1	S13667B	16	S13667B	13	99.6404	22.4292	50	154	a	75	125
Chromium	15330	1	S13667A3	17	S13667A3	14	0.8141	0.3711	0.50	89		75	125
Cobalt	15330	1	S13667A3	17	S13667A3	14	0.5884	0.0648	0.50	105		75	125
Copper	15330	1	S13667A3	17	S13667A3	14	2.7685	2.5270	0.50	48	b	75	125
Iron	15330	1	S13667B	16	S13667B	13	398.5630	455.1160	5	-1100	b	75	125
Lead	15330	1	S13667A3	17	S13667A3	14	1.5857	1.2865	0.50	60	a	75	125
Magnesium	15330	1	S13667B	16	S13667B	13	66.9211	14.0098	50	106		75	125
Manganese	15330	1	S13667A3	17	S13667A3	14	2.5389	2.4325	0.50	21	b	75	125
Mercury	15330	1	H13667S	17	H13667S	14	12.2800	0.9060	10	114		75	125
Nickel	15330	1	S13667A3	17	S13667A3	14	0.7440	0.2245	0.50	104		75	125
Potassium	15330	1	S13667B	16	S13667B	13	60.1398	7.8249	50	105		75	125
Selenium	15330	1	S13667A3	17	S13667A3	14	0.4792	0.018U	0.50	96		75	125
Silver	15330	1	S13667A3	17	S13667A3	14	0.1004	0.015U	0.10	100		75	125
Sodium	15330	1	S13667B3	16	S13667B3	13	51.0589	2.5U	50	102		75	125
Thallium	15330	1	S13667A3	17	S13667A3	14	0.4858	0.012U	0.50	97		75	125
Vanadium	15330	1	S13667A3	17	S13667A3	14	0.7614	0.2734	0.50	98		75	125
Zinc	15330	1	S13667A3	17	S13667A3	14	1.1092	0.6016	0.50	102		75	125

TxtQcType: MS Matrix: SOIL SampleID: AC64611-001

Analyte	BatchId	DF	Data Fil	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Adde	Recov	Qual	Lo Lim	Hi Lim
Aluminum	15330	1	S13667B	15	S13667B	13	38.9475	29.4855	5	189	b	75	125
Antimony	15330	1	S13667A3	16	S13667A3	14	0.3927	0.0405	0.50	70	a	75	125
Arsenic	15330	1	S13667A3	16	S13667A3	14	0.5918	0.1021	0.50	98		75	125
Barium	15330	1	S13667A3	16	S13667A3	14	1.3073	0.7736	0.50	107		75	125
Beryllium	15330	1	S13667A3	16	S13667A3	14	0.4891	0.006U	0.50	98		75	125
Cadmium	15330	1	S13667A3	16	S13667A3	14	0.5236	0.0067	0.50	103		75	125
Calcium	15330	1	S13667B	15	S13667B	13	78.2078	22.4292	50	112		75	125
Chromium	15330	1	S13667A3	16	S13667A3	14	0.8674	0.3711	0.50	99		75	125
Cobalt	15330	1	S13667A3	16	S13667A3	14	0.5852	0.0648	0.50	104		75	125
Copper	15330	1	S13667A3	16	S13667A3	14	3.1967	2.5270	0.50	134	b	75	125
Iron	15330	1	S13667B	15	S13667B	13	469.5250	455.1160	5	288	b	75	125
Lead	15330	1	S13667A3	16	S13667A3	14	1.7985	1.2865	0.50	102		75	125
Magnesium	15330	1	S13667B	15	S13667B	13	66.7490	14.0098	50	105		75	125
Manganese	15330	1	S13667A3	16	S13667A3	14	2.9194	2.4325	0.50	97		75	125
Mercury	15330	1	H13667S	16	H13667S	14	12.2100	0.9060	10	113		75	125
Nickel	15330	1	S13667A3	16	S13667A3	14	0.7421	0.2245	0.50	104		75	125
Potassium	15330	1	S13667B	15	S13667B	13	58.1414	7.8249	50	101		75	125
Selenium	15330	1	S13667A3	16	S13667A3	14	0.4798	0.018U	0.50	96		75	125
Silver	15330	1	S13667A3	16	S13667A3	14	0.1008	0.015U	0.10	101		75	125
Sodium	15330	1	S13667B3	15	S13667B3	13	52.8054	2.5U	50	106		75	125
Thallium	15330	1	S13667A3	16	S13667A3	14	0.4829	0.012U	0.50	97		75	125
Vanadium	15330	1	S13667A3	16	S13667A3	14	0.7748	0.2734	0.50	100		75	125
Zinc	15330	1	S13667A3	16	S13667A3	14	1.1792	0.6016	0.50	116		75	125

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

FORM6/FORM9

RPD/%Difference Data

PREP BATCH: 15330

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR Matrix: SOIL SampleID: LCS MR 15330

Analyte	BatchId	Data Fil	Seq#:	NS File	Seq#	Result 1	Result 2	RPD	Limit
Aluminum	15330	S13667B	12	S13667B	11	65.7808	63.9164	2.9	20
Antimony	15330	S13667A3	13	S13667A3	12	0.8303	0.8276	.33	20
Arsenic	15330	S13667A3	13	S13667A3	12	0.9236	0.9606	3.9	20
Barium	15330	S13667A3	13	S13667A3	12	1.6565	1.6637	.44	20
Beryllium	15330	S13667A3	13	S13667A3	12	0.5666	0.5729	1.1	20
Cadmium	15330	S13667A3	13	S13667A3	12	0.6072	0.6257	3	20
Calcium	15330	S13667B	12	S13667B	11	64.3252	63.5972	1.1	20
Chromium	15330	S13667A3	13	S13667A3	12	0.6646	0.6802	2.3	20
Cobalt	15330	S13667A3	13	S13667A3	12	1.0506	1.0851	3.2	20
Copper	15330	S13667A3	13	S13667A3	12	0.8080	0.8286	2.5	20
Iron	15330	S13667B	12	S13667B	11	112.6210	114.7310	1.9	20
Lead	15330	S13667A3	13	S13667A3	12	0.9042	0.9321	3	20
Magnesium	15330	S13667B	12	S13667B	11	25.4328	25.0085	1.7	20
Manganese	15330	S13667A3	13	S13667A3	12	2.7229	2.7848	2.2	20
Mercury	15330	H13667S	13	H13667S	12	23.1300	23.3900	1.1	20
Nickel	15330	S13667A3	13	S13667A3	12	0.5847	0.6019	2.9	20
Potassium	15330	S13667B	12	S13667B	11	22.8027	22.3160	2.2	20
Selenium	15330	S13667A3	13	S13667A3	12	0.8341	0.8823	5.6	20
Silver	15330	S13667A3	13	S13667A3	12	0.3385	0.3459	2.2	20
Sodium	15330	S13667B3	12	S13667B3	11	1.7029	1.6386	3.9	20
Thallium	15330	S13667A3	13	S13667A3	12	1.2180	1.2342	1.3	20
Vanadium	15330	S13667A3	13	S13667A3	12	0.4940	0.5151	4.2	20
Zinc	15330	S13667A3	13	S13667A3	12	1.3724	1.4287	4	20

TxtQcType: MR Matrix: SOIL SampleID: AC64611-001

Analyte	BatchId	Data Fil	Seq#:	NS File	Seq#	Result 1	Result 2	RPD		Limit
Aluminum	15330	S13667B	14	S13667B	13	31.4975	29.4855	6.6		20
Antimony	15330	S13667A3	15	S13667A3	14	0.0348	0.0405	15		20
Arsenic	15330	S13667A3	15	S13667A3	14	0.1064	0.1021	4.2		20
Barium	15330	S13667A3	15	S13667A3	14	0.8348	0.7736	7.6		20
Beryllium	15330	S13667A3	15	S13667A3	14	0.006U	0.006U	---		20
Cadmium	15330	S13667A3	15	S13667A3	14	0.0065	0.0067	2.9		20
Calcium	15330	S13667B	14	S13667B	13	27.9696	22.4292	22	b	20
Chromium	15330	S13667A3	15	S13667A3	14	0.3627	0.3711	2.3		20
Cobalt	15330	S13667A3	15	S13667A3	14	0.0715	0.0648	9.9		20
Copper	15330	S13667A3	15	S13667A3	14	2.5875	2.5270	2.4		20
Iron	15330	S13667B	14	S13667B	13	450.8910	455.1160	0.93		20
Lead	15330	S13667A3	15	S13667A3	14	1.2819	1.2865	0.36		20
Magnesium	15330	S13667B	14	S13667B	13	15.8124	14.0098	12		20
Manganese	15330	S13667A3	15	S13667A3	14	2.3657	2.4325	2.8		20
Mercury	15330	H13667S	15	H13667S	14	0.9140	0.9060	0.88		20
Nickel	15330	S13667A3	15	S13667A3	14	0.2336	0.2245	3.9		20
Potassium	15330	S13667B	14	S13667B	13	8.6179	7.8249	9.6		20
Selenium	15330	S13667A3	15	S13667A3	14	0.018U	0.018U	---		20
Silver	15330	S13667A3	15	S13667A3	14	0.015U	0.015U	---		20
Sodium	15330	S13667B3	14	S13667B3	13	2.5U	2.5U	---		20
Thallium	15330	S13667A3	15	S13667A3	14	0.012U	0.012U	---		20
Vanadium	15330	S13667A3	15	S13667A3	14	0.2935	0.2734	7.1		20
Zinc	15330	S13667A3	15	S13667A3	14	0.6349	0.6016	5.4		20

a-Indicates Rpd Failed the criteria

b-Method Rep Out but concentrations < 5*RL

c-Serial dilution Out but conc < 10 * IDL

FORM6/FORM9

RPD/%Difference Data

PREP BATCH: 15330

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: MSD Matrix: SOIL SampleID: AC64611-001

Analyte	BatchId	Data Fil	Seq#:	MS File	Seq#	Result 1	Result 2	RPD		Limit
Aluminum	15330	S13667B	16	S13667B	15	38.6511	38.9475	.76		20
Antimony	15330	S13667A3	17	S13667A3	16	0.4160	0.3927	5.8		20
Arsenic	15330	S13667A3	17	S13667A3	16	0.5825	0.5918	1.6		20
Barium	15330	S13667A3	17	S13667A3	16	1.3005	1.3073	.52		20
Beryllium	15330	S13667A3	17	S13667A3	16	0.4902	0.4891	.22		20
Cadmium	15330	S13667A3	17	S13667A3	16	0.5165	0.5236	1.4		20
Calcium	15330	S13667B	16	S13667B	15	99.6404	78.2078	24	a	20
Chromium	15330	S13667A3	17	S13667A3	16	0.8141	0.8674	6.3		20
Cobalt	15330	S13667A3	17	S13667A3	16	0.5884	0.5852	.55		20
Copper	15330	S13667A3	17	S13667A3	16	2.7685	3.1967	14		20
Iron	15330	S13667B	16	S13667B	15	398.5630	469.5250	16		20
Lead	15330	S13667A3	17	S13667A3	16	1.5857	1.7985	13		20
Magnesium	15330	S13667B	16	S13667B	15	66.9211	66.7490	.26		20
Manganese	15330	S13667A3	17	S13667A3	16	2.5389	2.9194	14		20
Mercury	15330	H13667S	17	H13667S	16	12.2800	12.2100	.57		20
Nickel	15330	S13667A3	17	S13667A3	16	0.7440	0.7421	.26		20
Potassium	15330	S13667B	16	S13667B	15	60.1398	58.1414	3.4		20
Selenium	15330	S13667A3	17	S13667A3	16	0.4792	0.4798	.12		20
Silver	15330	S13667A3	17	S13667A3	16	0.1004	0.1008	.46		20
Sodium	15330	S13667B3	16	S13667B3	15	51.0589	52.8054	3.4		20
Thallium	15330	S13667A3	17	S13667A3	16	0.4858	0.4829	.59		20
Vanadium	15330	S13667A3	17	S13667A3	16	0.7614	0.7748	1.7		20
Zinc	15330	S13667A3	17	S13667A3	16	1.1092	1.1792	6.1		20

TxtQcType: SD Matrix: SOIL SampleID: AC64611-001

Analyte	BatchId	Data Fil	Seq#:	NS File	Seq#	DF	Result 1	Result 2	%Diff		Limit
Aluminum	15330	S13667B	20	S13667B	13	5	6.1000	29.4855	3.4		10
Antimony	15330	S13667A3	21	S13667A3	14	5	0.0047	0.0405	---		10
Arsenic	15330	S13667A3	21	S13667A3	14	5	0.0173	0.1021	15	c	10
Barium	15330	S13667A3	21	S13667A3	14	5	0.1500	0.7736	3.1		10
Beryllium	15330	S13667A3	21	S13667A3	14	5	0.0004	0.0024	9		10
Cadmium	15330	S13667A3	21	S13667A3	14	5	-0.0001	0.0067	---		10
Calcium	15330	S13667B	20	S13667B	13	5	4.3454	22.4292	3.1		10
Chromium	15330	S13667A3	21	S13667A3	14	5	0.0722	0.3711	2.8		10
Cobalt	15330	S13667A3	21	S13667A3	14	5	0.0121	0.0648	6.9		10
Copper	15330	S13667A3	21	S13667A3	14	5	0.4924	2.5270	2.6		10
Iron	15330	S13667B	20	S13667B	13	5	94.6019	455.1160	3.9		10
Lead	15330	S13667A3	21	S13667A3	14	5	0.2493	1.2865	3.1		10
Magnesium	15330	S13667B	20	S13667B	13	5	2.6287	14.0098	6.2		10
Manganese	15330	S13667A3	21	S13667A3	14	5	0.4754	2.4325	2.3		10
Nickel	15330	S13667A3	21	S13667A3	14	5	0.0424	0.2245	5.7		10
Potassium	15330	S13667B	20	S13667B	13	5	1.4490	7.8249	7.4		10
Selenium	15330	S13667A3	21	S13667A3	14	5	0.0033	-0.0004	---		10
Silver	15330	S13667A3	21	S13667A3	14	5	0.0001	0.0022	---		10
Sodium	15330	S13667B3	20	S13667B3	13	5	0.0788	1.5775	---		10
Thallium	15330	S13667A3	21	S13667A3	14	5	-0.0042	-0.0113	---		10
Vanadium	15330	S13667A3	21	S13667A3	14	5	0.0508	0.2734	7.1		10
Zinc	15330	S13667A3	21	S13667A3	14	5	0.1134	0.6016	5.8		10

a-Indicates Rpd Failed the criteria

b-Method Rep Out but concentrations < 5*RL

c-Serial dilution Out but conc < 10 * IDL

Wet Chemistry Data

VERITECH Wet Chem Form1 Analysis Summary

% Solids

TestGroupName: % Solids SM2540G

Project #: 2030826

TestGroup: %SOLIDS

Lab#	Client SampleID	Matrix	Dilution:	Result	Units:	RL	Prep Date	Analysis Date	Received Date	Collect Date
AC64634-001	B-5	Soil	**1**	**89**	**Percent**			03/12/12	03/08/12	03/08/12

% Solids Report

Analysis Type: SOLIDS-SS
BatchID: SOLIDS-SS-573

QcType	SampleID:	Rounded Result	Raw Result	Units	Tare Weight	Wet Weight	Dry Weight	Analysis Date	Analyzed By	QC RPD	Rpd Limit
DUP	AC64632-001	99	98.99396	Percent	1.05	10.99	10.89	03/12/12	janee	0.09	5
Sample	AC64632-001	99	99.08350	Percent	1.06	10.88	10.79	03/12/12	janee		
Sample	AC64632-002	98	97.63780	Percent	1.05	11.21	10.98	03/12/12	janee		
Sample	AC64634-001	89	88.87795	Percent	1.07	11.23	10.10	03/12/12	janee		
Sample	AC64635-001	88	88.10704	Percent	1.06	11.15	9.95	03/12/12	janee		
Sample	AC64635-002	92	91.82453	Percent	1.06	11.09	10.27	03/12/12	janee		
Sample	AC64635-003	95	95.14091	Percent	1.06	11.35	10.85	03/12/12	janee		
Sample	AC64635-004	93	93.13725	Percent	1.04	11.24	10.54	03/12/12	janee		
Sample	AC64635-005	95	95.35822	Percent	1.06	10.97	10.50	03/12/12	janee		
Sample	AC64635-006	96	95.80078	Percent	1.05	11.29	10.86	03/12/12	janee		
Sample	AC64635-007	95	95.10557	Percent	1.07	11.49	10.98	03/12/12	janee		
Sample	AC64635-008	94	94.31579	Percent	1.07	10.57	10.03	03/12/12	janee		
Sample	AC64635-009	94	94.30605	Percent	1.06	12.30	11.66	03/12/12	janee		
Sample	AC64635-010	93	92.69231	Percent	1.06	11.46	10.70	03/12/12	janee		
Sample	AC64636-001	95	94.67337	Percent	1.05	11.00	10.48	03/12/12	janee		
Sample	AC64636-002	93	93.24578	Percent	1.05	11.71	10.98	03/12/12	janee		
Sample	AC64638-001	80	80.36199	Percent	1.04	12.09	9.93	03/12/12	janee		
Sample	AC64639-001	87	86.58970	Percent	1.05	12.31	10.80	03/12/12	janee		
Sample	AC64639-002	90	89.60674	Percent	1.04	11.72	10.63	03/12/12	janee		
Sample	AC64639-003	95	94.85437	Percent	1.05	11.35	10.82	03/12/12	janee		
Sample	AC64639-004	94	93.70079	Percent	1.05	12.48	11.76	03/12/12	janee		

* - Indicates Failed Rpd Criteria

HC·V
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Last Page of Report

HC·V
HAMPTONCLARKE·VERITECH

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Project: EJ1111829.002

Client PO: Not Available

Report To: Whitestone Associates
35 Technology Drive
Warren, NJ 07059

Attn: C.Seib

Received Date: 7/25/2012

Report Date: 8/20/2012

Deliverables: NYDOH-R

Lab ID: AC67271

Lab Project No: 2072508

This report is a true report of results obtained from our tests of this material. The report relates only to those samples received and analyzed by the laboratory. All results meet the requirements of the NELAC Institute standards. Laboratory reports may not be reproduced, except in full, without the written approval of the laboratory.

In lieu of a formal contract document, the total aggregate liability of Veritech to all parties shall not exceed Veritech's total fee for analytical services rendered.

Robin Cousineau - Quality Assurance Director OR **Stanley Gilewicz - Laboratory Director**

NJ	(07071)	NY	(ELAP11408)	CT	(PH-0671)	USACE
PA	(68-00463)	KY	(90124)			

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DRO Data .....

Form 1 Sample and Blank Results

Form 2 Surrogate Recovery

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Form 1 Sample and Blank Results

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Sample Summary

Client: Whitestone Associates

HCV Project #: 2072508

Project: EJ1111829.002

Lab#	SampleID	Matrix	Collection Date	Receipt Date
AC67271-001	MW-1 U	Aqueous	7/24/2012	7/25/2012
AC67271-002	MW-1 F	Aqueous	7/24/2012	7/25/2012
AC67271-003	MW-2 U	Aqueous	7/24/2012	7/25/2012
AC67271-004	MW-2 F	Aqueous	7/24/2012	7/25/2012
AC67271-005	MW-3 U	Aqueous	7/24/2012	7/25/2012
AC67271-006	MW-3 F	Aqueous	7/24/2012	7/25/2012
AC67271-007	MW-3 DUPLICATE U	Aqueous	7/24/2012	7/25/2012
AC67271-008	MW-3 DUPLICATE F	Aqueous	7/24/2012	7/25/2012
AC67271-009	MW-4 U	Aqueous	7/24/2012	7/25/2012
AC67271-010	MW-4 F	Aqueous	7/24/2012	7/25/2012
AC67271-011	TRIP BLANK	Aqueous	7/24/2012	7/25/2012
AC67271-012	FIELD BLANK U	Aqueous	7/24/2012	7/25/2012
AC67271-013	FIELD BLANK F	Aqueous	7/24/2012	7/25/2012

HCV Case Narrative

Client: Whitestone Associates
Project: EJ1111829.002

HCV Project: 2072508

This case narrative is in the form of an exception report. Method specific and/or QA/QC anomalies related to this report only are detailed below.

Volatile Organic Analysis:

Data conforms to method requirements.

Base Neutral/Acid Extractable Analysis:

The Matrix Spike and/or Matrix Spike Duplicate for batch WMB14792 had RPDs outside QC limits However, since the associated Method Blank and Laboratory Control Sample were within control, no corrective action was necessary.

Sample AC67271-005 had one or more surrogates outside QC limits.

PCB Analysis:

Sample AC67271-012 has a surrogate recovery outside QC limits.

Pesticide Analysis:

Data conforms to method requirements.

Metals Analysis:

The serial dilution for batch 16587 is outside QC limits for one or more analytes, suggesting matrix interference.

Robin Cousineau Quality Assurance Director	Or	Stanley Gilewicz Laboratory Director	8/20/12 Date

HCV Executive Summary

Client: Whitestone Associates

HCV Project #: 2072508

Project: EJ1111829.002

Lab#: AC67271-001 **Sample ID: MW-1 U**

Analyte	Units	RL	Result	Analytical Method
Aluminum	ug/l	180	7800	EPA 6010B
Barium	ug/l	50	240	EPA 6010B
Calcium	ug/l	2000	74000	EPA 6010B
Iron	ug/l	280	11000	EPA 6010B
Lead	ug/l	4.0	9.9	EPA 6010B
Magnesium	ug/l	2000	36000	EPA 6010B
Manganese	ug/l	40	310	EPA 6010B
Potassium	ug/l	5000	12000	EPA 6010B
Sodium	ug/l	5000	150000	EPA 6010B
cis-1,2-Dichloroethene	ug/l	1.0	7.8	EPA 8260B
Tetrachloroethene	ug/l	1.0	62	EPA 8260B
Trichloroethene	ug/l	1.0	63	EPA 8260B

Lab#: AC67271-002 **Sample ID: MW-1 F**

Analyte	Units	RL	Result	Analytical Method
Barium	ug/l	50	97	EPA 6010B
Calcium	ug/l	2000	73000	EPA 6010B
Magnesium	ug/l	2000	34000	EPA 6010B
Manganese	ug/l	40	86	EPA 6010B
Potassium	ug/l	5000	8500	EPA 6010B
Sodium	ug/l	5000	150000	EPA 6010B

Lab#: AC67271-003 **Sample ID: MW-2 U**

Analyte	Units	RL	Result	Analytical Method
Aluminum	ug/l	180	3900	EPA 6010B
Barium	ug/l	50	240	EPA 6010B
Calcium	ug/l	2000	79000	EPA 6010B
Iron	ug/l	280	5700	EPA 6010B
Lead	ug/l	4.0	4.7	EPA 6010B
Magnesium	ug/l	2000	29000	EPA 6010B
Manganese	ug/l	40	1800	EPA 6010B
Potassium	ug/l	5000	14000	EPA 6010B
Sodium	ug/l	5000	160000	EPA 6010B
cis-1,2-Dichloroethene	ug/l	1.0	18	EPA 8260B
t-Butyl Alcohol	ug/l	5.0	8.1	EPA 8260B
Trichloroethene	ug/l	1.0	8.8	EPA 8260B

Lab#: AC67271-004 **Sample ID: MW-2 F**

Analyte	Units	RL	Result	Analytical Method
Barium	ug/l	50	150	EPA 6010B
Calcium	ug/l	2000	75000	EPA 6010B
Magnesium	ug/l	2000	27000	EPA 6010B
Manganese	ug/l	40	1600	EPA 6010B
Potassium	ug/l	5000	10000	EPA 6010B
Sodium	ug/l	5000	160000	EPA 6010B

HCV Executive Summary

Client: Whitestone Associates **HCV Project #:** 2072508

Project: EJ1111829.002

Lab#: AC67271-005 **Sample ID: MW-3 U**

Analyte	Units	RL	Result	Analytical Method
Aluminum	ug/l	180	59000	EPA 6010B
Arsenic	ug/l	7.5	9.9	EPA 6010B
Barium	ug/l	50	800	EPA 6010B
Beryllium	ug/l	4.0	7.6	EPA 6010B
Calcium	ug/l	2000	110000	EPA 6010B
Chromium	ug/l	50	110	EPA 6010B
Cobalt	ug/l	20	33	EPA 6010B
Copper	ug/l	50	160	EPA 6010B
Iron	ug/l	280	92000	EPA 6010B
Lead	ug/l	4.0	250	EPA 6010B
Magnesium	ug/l	2000	54000	EPA 6010B
Manganese	ug/l	40	2900	EPA 6010B
Nickel	ug/l	50	81	EPA 6010B
Potassium	ug/l	5000	26000	EPA 6010B
Sodium	ug/l	5000	120000	EPA 6010B
Vanadium	ug/l	50	93	EPA 6010B
Zinc	ug/l	50	180	EPA 6010B
Chloroethane	ug/l	1.0	12	EPA 8260B
Tetrachloroethene	ug/l	1.0	8.4	EPA 8260B
Trichloroethene	ug/l	1.0	49	EPA 8260B

Lab#: AC67271-006 **Sample ID: MW-3 F**

Analyte	Units	RL	Result	Analytical Method
Aluminum	ug/l	180	450	EPA 6010B
Barium	ug/l	50	81	EPA 6010B
Calcium	ug/l	2000	89000	EPA 6010B
Iron	ug/l	280	410	EPA 6010B
Magnesium	ug/l	2000	46000	EPA 6010B
Manganese	ug/l	40	810	EPA 6010B
Potassium	ug/l	5000	11000	EPA 6010B
Sodium	ug/l	5000	120000	EPA 6010B

HCV Executive Summary

Client: Whitestone Associates **HCV Project #:** 2072508

Project: EJ1111829.002

Lab#: AC67271-007 **Sample ID: MW-3 DUPLICATE U**

Analyte	Units	RL	Result	Analytical Method
Aluminum	ug/l	180	56000	EPA 6010B
Arsenic	ug/l	7.5	10	EPA 6010B
Barium	ug/l	50	780	EPA 6010B
Beryllium	ug/l	4.0	7.3	EPA 6010B
Calcium	ug/l	2000	110000	EPA 6010B
Chromium	ug/l	50	110	EPA 6010B
Cobalt	ug/l	20	33	EPA 6010B
Copper	ug/l	50	160	EPA 6010B
Iron	ug/l	280	89000	EPA 6010B
Lead	ug/l	4.0	250	EPA 6010B
Magnesium	ug/l	2000	54000	EPA 6010B
Manganese	ug/l	40	2800	EPA 6010B
Nickel	ug/l	50	79	EPA 6010B
Potassium	ug/l	5000	25000	EPA 6010B
Sodium	ug/l	5000	120000	EPA 6010B
Vanadium	ug/l	50	91	EPA 6010B
Zinc	ug/l	50	170	EPA 6010B
Tetrachloroethene	ug/l	1.0	8.1	EPA 8260B
Trichloroethene	ug/l	1.0	48	EPA 8260B

Lab#: AC67271-008 **Sample ID: MW-3 DUPLICATE F**

Analyte	Units	RL	Result	Analytical Method
Barium	ug/l	50	79	EPA 6010B
Calcium	ug/l	2000	90000	EPA 6010B
Magnesium	ug/l	2000	46000	EPA 6010B
Manganese	ug/l	40	850	EPA 6010B
Potassium	ug/l	5000	12000	EPA 6010B
Sodium	ug/l	5000	130000	EPA 6010B

Lab#: AC67271-009 **Sample ID: MW-4 U**

Analyte	Units	RL	Result	Analytical Method
Aluminum	ug/l	180	9500	EPA 6010B
Barium	ug/l	50	250	EPA 6010B
Calcium	ug/l	2000	27000	EPA 6010B
Iron	ug/l	280	20000	EPA 6010B
Lead	ug/l	4.0	19	EPA 6010B
Magnesium	ug/l	2000	19000	EPA 6010B
Manganese	ug/l	40	930	EPA 6010B
Potassium	ug/l	5000	9000	EPA 6010B
Sodium	ug/l	5000	82000	EPA 6010B
Zinc	ug/l	50	50	EPA 6010B
Trichloroethene	ug/l	1.0	2.1	EPA 8260B
bis(2-Ethylhexyl)phthalate	ug/l	2.1	5.9	EPA 8270C

HCV Executive Summary

Client: Whitestone Associates

HCV Project #: 2072508

Project: EJ1111829.002

Lab#: AC67271-010 **Sample ID: MW-4 F**

Analyte	Units	RL	Result	Analytical Method
Calcium	ug/l	2000	23000	EPA 6010B
Iron	ug/l	280	2600	EPA 6010B
Magnesium	ug/l	2000	15000	EPA 6010B
Manganese	ug/l	40	740	EPA 6010B
Potassium	ug/l	5000	5900	EPA 6010B
Sodium	ug/l	5000	75000	EPA 6010B

HCV Report Of Analysis

Client: Whitestone Associates
Project: EJ1111829.002

HCV Project #: 2072508

Sample ID: MW-1 U
Lab#: AC67271-001
Matrix: Aqueous

Collection Date: 7/24/2012
Receipt Date: 7/25/2012

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
Aldrin	1	ug/l	0.010	ND
Alpha-BHC	1	ug/l	0.010	ND
beta-BHC	1	ug/l	0.010	ND
Chlordane	1	ug/l	0.10	ND
delta-BHC	1	ug/l	0.010	ND
Dieldrin	1	ug/l	0.010	ND
Endosulfan I	1	ug/l	0.010	ND
Endosulfan II	1	ug/l	0.010	ND
Endosulfan Sulfate	1	ug/l	0.010	ND
Endrin	1	ug/l	0.010	ND
Endrin Aldehyde	1	ug/l	0.010	ND
Endrin Ketone	1	ug/l	0.010	ND
gamma-BHC	1	ug/l	0.010	ND
Heptachlor	1	ug/l	0.010	ND
Heptachlor Epoxide	1	ug/l	0.010	ND
Methoxychlor	1	ug/l	0.010	ND
p,p'-DDD	1	ug/l	0.010	ND
p,p'-DDE	1	ug/l	0.010	ND
p,p'-DDT	1	ug/l	0.010	ND
Toxaphene	1	ug/l	0.25	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	ug/l	0.25	ND
Aroclor-1016	1	ug/l	0.25	ND
Aroclor-1221	1	ug/l	0.25	ND
Aroclor-1232	1	ug/l	0.25	ND
Aroclor-1242	1	ug/l	0.25	ND
Aroclor-1248	1	ug/l	0.25	ND
Aroclor-1254	1	ug/l	0.25	ND
Aroclor-1260	1	ug/l	0.25	ND
Aroclor-1262	1	ug/l	0.25	ND
Aroclor-1268	1	ug/l	0.25	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,2-Diphenylhydrazine	1	ug/l	2.1	ND
2,4,5-Trichlorophenol	1	ug/l	2.1	ND
2,4,6-Trichlorophenol	1	ug/l	2.1	ND
2,4-Dichlorophenol	1	ug/l	2.1	ND
2,4-Dimethylphenol	1	ug/l	2.1	ND
2,4-Dinitrophenol	1	ug/l	11	ND
2,4-Dinitrotoluene	1	ug/l	2.1	ND
2,6-Dinitrotoluene	1	ug/l	2.1	ND

Sample ID: MW-1 U **Collection Date: 7/24/2012**
Lab#: AC67271-001 **Receipt Date: 7/25/2012**
Matrix: Aqueous

2-Chloronaphthalene	1	ug/l	2.1	ND
2-Chlorophenol	1	ug/l	2.1	ND
2-Methylnaphthalene	1	ug/l	2.1	ND
2-Methylphenol	1	ug/l	0.53	ND
2-Nitroaniline	1	ug/l	2.1	ND
2-Nitrophenol	1	ug/l	2.1	ND
3&4-Methylphenol	1	ug/l	0.53	ND
3,3'-Dichlorobenzidine	1	ug/l	2.1	ND
3-Nitroaniline	1	ug/l	2.1	ND
4,6-Dinitro-2-methylphenol	1	ug/l	11	ND
4-Bromophenyl-phenylether	1	ug/l	2.1	ND
4-Chloro-3-methylphenol	1	ug/l	2.1	ND
4-Chloroaniline	1	ug/l	0.53	ND
4-Chlorophenyl-phenylether	1	ug/l	2.1	ND
4-Nitroaniline	1	ug/l	2.1	ND
4-Nitrophenol	1	ug/l	2.1	ND
Acenaphthene	1	ug/l	2.1	ND
Acenaphthylene	1	ug/l	2.1	ND
Aniline	1	ug/l	2.1	ND
Anthracene	1	ug/l	2.1	ND
Benzidine	1	ug/l	11	ND
Benzo[a]anthracene	1	ug/l	2.1	ND
Benzo[a]pyrene	1	ug/l	2.1	ND
Benzo[b]fluoranthene	1	ug/l	2.1	ND
Benzo[g,h,i]perylene	1	ug/l	2.1	ND
Benzo[k]fluoranthene	1	ug/l	2.1	ND
Benzoic acid	1	ug/l	11	ND
bis(2-Chloroethoxy)methane	1	ug/l	2.1	ND
bis(2-Chloroethyl)ether	1	ug/l	0.53	ND
bis(2-Chloroisopropyl)ether	1	ug/l	2.1	ND
bis(2-Ethylhexyl)phthalate	1	ug/l	2.1	ND
Butylbenzylphthalate	1	ug/l	2.1	ND
Carbazole	1	ug/l	2.1	ND
Chrysene	1	ug/l	2.1	ND
Dibenzo[a,h]anthracene	1	ug/l	2.1	ND
Dibenzofuran	1	ug/l	0.53	ND
Diethylphthalate	1	ug/l	2.1	ND
Dimethylphthalate	1	ug/l	2.1	ND
Di-n-butylphthalate	1	ug/l	0.53	ND
Di-n-octylphthalate	1	ug/l	2.1	ND
Fluoranthene	1	ug/l	2.1	ND
Fluorene	1	ug/l	2.1	ND
Hexachlorobenzene	1	ug/l	2.1	ND
Hexachlorobutadiene	1	ug/l	2.1	ND
Hexachlorocyclopentadiene	1	ug/l	2.1	ND
Hexachloroethane	1	ug/l	2.1	ND
Indeno[1,2,3-cd]pyrene	1	ug/l	2.1	ND
Isophorone	1	ug/l	2.1	ND
Naphthalene	1	ug/l	0.53	ND
Nitrobenzene	1	ug/l	2.1	ND
N-Nitrosodimethylamine	1	ug/l	2.1	ND
N-Nitroso-di-n-propylamine	1	ug/l	0.53	ND
N-Nitrosodiphenylamine	1	ug/l	2.1	ND
Pentachlorophenol	1	ug/l	11	ND
Phenanthrene	1	ug/l	2.1	ND
Phenol	1	ug/l	2.1	ND
Pyrene	1	ug/l	2.1	ND

Sample ID: MW-1 U
Lab#: AC67271-001
Matrix: Aqueous

Collection Date: 7/24/2012
Receipt Date: 7/25/2012

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	**1**	**ug/l**	**180**	**7800**
Antimony	1	ug/l	12	ND
Arsenic	1	ug/l	7.5	ND
Barium	**1**	**ug/l**	**50**	**240**
Beryllium	1	ug/l	4.0	ND
Cadmium	1	ug/l	3.5	ND
Calcium	**1**	**ug/l**	**2000**	**74000**
Chromium	1	ug/l	50	ND
Cobalt	1	ug/l	20	ND
Copper	1	ug/l	50	ND
Iron	**1**	**ug/l**	**280**	**11000**
Lead	**1**	**ug/l**	**4.0**	**9.9**
Magnesium	**1**	**ug/l**	**2000**	**36000**
Manganese	**1**	**ug/l**	**40**	**310**
Nickel	1	ug/l	50	ND
Potassium	**1**	**ug/l**	**5000**	**12000**
Selenium	1	ug/l	40	ND
Silver	1	ug/l	20	ND
Sodium	**1**	**ug/l**	**5000**	**150000**
Thallium	1	ug/l	10	ND
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichloropropane	1	ug/l	1.0	ND
1,2,4-Trimethylbenzene	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3,5-Trimethylbenzene	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,3-Dichloropropane	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Chloroethylvinylether	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Isopropyltoluene	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Acrolein	1	ug/l	5.0	ND
Acrylonitrile	1	ug/l	2.0	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND

Sample ID: MW-1 U **Collection Date: 7/24/2012**
Lab#: AC67271-001 **Receipt Date: 7/25/2012**
Matrix: Aqueous

Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	**1**	**ug/l**	**1.0**	**7.8**
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
n-Butylbenzene	1	ug/l	1.0	ND
n-Propylbenzene	1	ug/l	1.0	ND
o-Xylene	1	ug/l	1.0	ND
sec-Butylbenzene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
t-Butyl Alcohol	1	ug/l	5.0	ND
t-Butylbenzene	1	ug/l	1.0	ND
Tetrachloroethene	**1**	**ug/l**	**1.0**	**62**
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	**1**	**ug/l**	**1.0**	**63**
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: MW-1 F
Lab#: AC67271-002
Matrix: Aqueous

Collection Date: 7/24/2012
Receipt Date: 7/25/2012

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	180	ND
Antimony	1	ug/l	12	ND
Arsenic	1	ug/l	7.5	ND
Barium	**1**	**ug/l**	**50**	**97**
Beryllium	1	ug/l	4.0	ND
Cadmium	1	ug/l	3.5	ND
Calcium	**1**	**ug/l**	**2000**	**73000**
Chromium	1	ug/l	50	ND
Cobalt	1	ug/l	20	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	280	ND
Lead	1	ug/l	4.0	ND
Magnesium	**1**	**ug/l**	**2000**	**34000**
Manganese	**1**	**ug/l**	**40**	**86**
Nickel	1	ug/l	50	ND
Potassium	**1**	**ug/l**	**5000**	**8500**
Selenium	1	ug/l	40	ND
Silver	1	ug/l	20	ND
Sodium	**1**	**ug/l**	**5000**	**150000**
Thallium	1	ug/l	10	ND
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND

Sample ID: MW-2 U
Lab#: AC67271-003
Matrix: Aqueous

Collection Date: 7/24/2012
Receipt Date: 7/25/2012

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
Aldrin	1	ug/l	0.011	ND
Alpha-BHC	1	ug/l	0.011	ND
beta-BHC	1	ug/l	0.011	ND
Chlordane	1	ug/l	0.11	ND
delta-BHC	1	ug/l	0.011	ND
Dieldrin	1	ug/l	0.011	ND
Endosulfan I	1	ug/l	0.011	ND
Endosulfan II	1	ug/l	0.011	ND
Endosulfan Sulfate	1	ug/l	0.011	ND
Endrin	1	ug/l	0.011	ND
Endrin Aldehyde	1	ug/l	0.011	ND
Endrin Ketone	1	ug/l	0.011	ND
gamma-BHC	1	ug/l	0.011	ND
Heptachlor	1	ug/l	0.011	ND
Heptachlor Epoxide	1	ug/l	0.011	ND
Methoxychlor	1	ug/l	0.011	ND
p,p'-DDD	1	ug/l	0.011	ND
p,p'-DDE	1	ug/l	0.011	ND
p,p'-DDT	1	ug/l	0.011	ND
Toxaphene	1	ug/l	0.26	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	ug/l	0.26	ND
Aroclor-1016	1	ug/l	0.26	ND
Aroclor-1221	1	ug/l	0.26	ND
Aroclor-1232	1	ug/l	0.26	ND
Aroclor-1242	1	ug/l	0.26	ND
Aroclor-1248	1	ug/l	0.26	ND
Aroclor-1254	1	ug/l	0.26	ND
Aroclor-1260	1	ug/l	0.26	ND
Aroclor-1262	1	ug/l	0.26	ND
Aroclor-1268	1	ug/l	0.26	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,2-Diphenylhydrazine	1	ug/l	2.0	ND
2,4,5-Trichlorophenol	1	ug/l	2.0	ND
2,4,6-Trichlorophenol	1	ug/l	2.0	ND
2,4-Dichlorophenol	1	ug/l	2.0	ND
2,4-Dimethylphenol	1	ug/l	2.0	ND
2,4-Dinitrophenol	1	ug/l	10	ND
2,4-Dinitrotoluene	1	ug/l	2.0	ND
2,6-Dinitrotoluene	1	ug/l	2.0	ND
2-Chloronaphthalene	1	ug/l	2.0	ND
2-Chlorophenol	1	ug/l	2.0	ND
2-Methylnaphthalene	1	ug/l	2.0	ND
2-Methylphenol	1	ug/l	0.51	ND
2-Nitroaniline	1	ug/l	2.0	ND
2-Nitrophenol	1	ug/l	2.0	ND
3&4-Methylphenol	1	ug/l	0.51	ND

Sample ID: MW-2 U **Collection Date: 7/24/2012**
Lab#: AC67271-003 **Receipt Date: 7/25/2012**
Matrix: Aqueous

3,3'-Dichlorobenzidine	1	ug/l	2.0	ND
3-Nitroaniline	1	ug/l	2.0	ND
4,6-Dinitro-2-methylphenol	1	ug/l	10	ND
4-Bromophenyl-phenylether	1	ug/l	2.0	ND
4-Chloro-3-methylphenol	1	ug/l	2.0	ND
4-Chloroaniline	1	ug/l	0.51	ND
4-Chlorophenyl-phenylether	1	ug/l	2.0	ND
4-Nitroaniline	1	ug/l	2.0	ND
4-Nitrophenol	1	ug/l	2.0	ND
Acenaphthene	1	ug/l	2.0	ND
Acenaphthylene	1	ug/l	2.0	ND
Aniline	1	ug/l	2.0	ND
Anthracene	1	ug/l	2.0	ND
Benzidine	1	ug/l	10	ND
Benzo[a]anthracene	1	ug/l	2.0	ND
Benzo[a]pyrene	1	ug/l	2.0	ND
Benzo[b]fluoranthene	1	ug/l	2.0	ND
Benzo[g,h,i]perylene	1	ug/l	2.0	ND
Benzo[k]fluoranthene	1	ug/l	2.0	ND
Benzoic acid	1	ug/l	10	ND
bis(2-Chloroethoxy)methane	1	ug/l	2.0	ND
bis(2-Chloroethyl)ether	1	ug/l	0.51	ND
bis(2-Chloroisopropyl)ether	1	ug/l	2.0	ND
bis(2-Ethylhexyl)phthalate	1	ug/l	2.0	ND
Butylbenzylphthalate	1	ug/l	2.0	ND
Carbazole	1	ug/l	2.0	ND
Chrysene	1	ug/l	2.0	ND
Dibenzo[a,h]anthracene	1	ug/l	2.0	ND
Dibenzofuran	1	ug/l	0.51	ND
Diethylphthalate	1	ug/l	2.0	ND
Dimethylphthalate	1	ug/l	2.0	ND
Di-n-butylphthalate	1	ug/l	0.51	ND
Di-n-octylphthalate	1	ug/l	2.0	ND
Fluoranthene	1	ug/l	2.0	ND
Fluorene	1	ug/l	2.0	ND
Hexachlorobenzene	1	ug/l	2.0	ND
Hexachlorobutadiene	1	ug/l	2.0	ND
Hexachlorocyclopentadiene	1	ug/l	2.0	ND
Hexachloroethane	1	ug/l	2.0	ND
Indeno[1,2,3-cd]pyrene	1	ug/l	2.0	ND
Isophorone	1	ug/l	2.0	ND
Naphthalene	1	ug/l	0.51	ND
Nitrobenzene	1	ug/l	2.0	ND
N-Nitrosodimethylamine	1	ug/l	2.0	ND
N-Nitroso-di-n-propylamine	1	ug/l	0.51	ND
N-Nitrosodiphenylamine	1	ug/l	2.0	ND
Pentachlorophenol	1	ug/l	10	ND
Phenanthrene	1	ug/l	2.0	ND
Phenol	1	ug/l	2.0	ND
Pyrene	1	ug/l	2.0	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	**1**	**ug/l**	**180**	**3900**
Antimony	1	ug/l	12	ND
Arsenic	1	ug/l	7.5	ND
Barium	**1**	**ug/l**	**50**	**240**

Sample ID: MW-2 U
Lab#: AC67271-003
Matrix: Aqueous

Collection Date: 7/24/2012
Receipt Date: 7/25/2012

Beryllium	1	ug/l	4.0	ND
Cadmium	1	ug/l	3.5	ND
Calcium	**1**	**ug/l**	**2000**	**79000**
Chromium	1	ug/l	50	ND
Cobalt	1	ug/l	20	ND
Copper	1	ug/l	50	ND
Iron	**1**	**ug/l**	**280**	**5700**
Lead	**1**	**ug/l**	**4.0**	**4.7**
Magnesium	**1**	**ug/l**	**2000**	**29000**
Manganese	**1**	**ug/l**	**40**	**1800**
Nickel	1	ug/l	50	ND
Potassium	**1**	**ug/l**	**5000**	**14000**
Selenium	1	ug/l	40	ND
Silver	1	ug/l	20	ND
Sodium	**1**	**ug/l**	**5000**	**160000**
Thallium	1	ug/l	10	ND
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichloropropane	1	ug/l	1.0	ND
1,2,4-Trimethylbenzene	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3,5-Trimethylbenzene	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,3-Dichloropropane	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Chloroethylvinylether	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Isopropyltoluene	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Acrolein	1	ug/l	5.0	ND
Acrylonitrile	1	ug/l	2.0	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	**1**	**ug/l**	**1.0**	**18**
cis-1,3-Dichloropropene	1	ug/l	1.0	ND

Sample ID: MW-2 U
Lab#: AC67271-003
Matrix: Aqueous

Collection Date: 7/24/2012
Receipt Date: 7/25/2012

Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
n-Butylbenzene	1	ug/l	1.0	ND
n-Propylbenzene	1	ug/l	1.0	ND
o-Xylene	1	ug/l	1.0	ND
sec-Butylbenzene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
t-Butyl Alcohol	**1**	**ug/l**	**5.0**	**8.1**
t-Butylbenzene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	**1**	**ug/l**	**1.0**	**8.8**
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: MW-2 F
Lab#: AC67271-004
Matrix: Aqueous

Collection Date: 7/24/2012
Receipt Date: 7/25/2012

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	180	ND
Antimony	1	ug/l	12	ND
Arsenic	1	ug/l	7.5	ND
Barium	**1**	**ug/l**	**50**	**150**
Beryllium	1	ug/l	4.0	ND
Cadmium	1	ug/l	3.5	ND
Calcium	**1**	**ug/l**	**2000**	**75000**
Chromium	1	ug/l	50	ND
Cobalt	1	ug/l	20	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	280	ND
Lead	1	ug/l	4.0	ND
Magnesium	**1**	**ug/l**	**2000**	**27000**
Manganese	**1**	**ug/l**	**40**	**1600**
Nickel	1	ug/l	50	ND
Potassium	**1**	**ug/l**	**5000**	**10000**
Selenium	1	ug/l	40	ND
Silver	1	ug/l	20	ND
Sodium	**1**	**ug/l**	**5000**	**160000**
Thallium	1	ug/l	10	ND
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND

Sample ID: MW-3 U
Lab#: AC67271-005
Matrix: Aqueous

Collection Date: 7/24/2012
Receipt Date: 7/25/2012

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
Aldrin	1	ug/l	0.011	ND
Alpha-BHC	1	ug/l	0.011	ND
beta-BHC	1	ug/l	0.011	ND
Chlordane	1	ug/l	0.11	ND
delta-BHC	1	ug/l	0.011	ND
Dieldrin	1	ug/l	0.011	ND
Endosulfan I	1	ug/l	0.011	ND
Endosulfan II	1	ug/l	0.011	ND
Endosulfan Sulfate	1	ug/l	0.011	ND
Endrin	1	ug/l	0.011	ND
Endrin Aldehyde	1	ug/l	0.011	ND
Endrin Ketone	1	ug/l	0.011	ND
gamma-BHC	1	ug/l	0.011	ND
Heptachlor	1	ug/l	0.011	ND
Heptachlor Epoxide	1	ug/l	0.011	ND
Methoxychlor	1	ug/l	0.011	ND
p,p'-DDD	1	ug/l	0.011	ND
p,p'-DDE	1	ug/l	0.011	ND
p,p'-DDT	1	ug/l	0.011	ND
Toxaphene	1	ug/l	0.26	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	ug/l	0.26	ND
Aroclor-1016	1	ug/l	0.26	ND
Aroclor-1221	1	ug/l	0.26	ND
Aroclor-1232	1	ug/l	0.26	ND
Aroclor-1242	1	ug/l	0.26	ND
Aroclor-1248	1	ug/l	0.26	ND
Aroclor-1254	1	ug/l	0.26	ND
Aroclor-1260	1	ug/l	0.26	ND
Aroclor-1262	1	ug/l	0.26	ND
Aroclor-1268	1	ug/l	0.26	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,2-Diphenylhydrazine	1	ug/l	1.2	ND
2,4,5-Trichlorophenol	1	ug/l	1.2	ND
2,4,6-Trichlorophenol	1	ug/l	1.2	ND
2,4-Dichlorophenol	1	ug/l	1.2	ND
2,4-Dimethylphenol	1	ug/l	1.2	ND
2,4-Dinitrophenol	1	ug/l	6.0	ND
2,4-Dinitrotoluene	1	ug/l	1.2	ND
2,6-Dinitrotoluene	1	ug/l	1.2	ND
2-Chloronaphthalene	1	ug/l	1.2	ND
2-Chlorophenol	1	ug/l	1.2	ND
2-Methylnaphthalene	1	ug/l	1.2	ND
2-Methylphenol	1	ug/l	0.30	ND
2-Nitroaniline	1	ug/l	1.2	ND
2-Nitrophenol	1	ug/l	1.2	ND
3&4-Methylphenol	1	ug/l	0.30	ND

Sample ID: MW-3 U
Lab#: AC67271-005
Matrix: Aqueous

Collection Date: 7/24/2012
Receipt Date: 7/25/2012

3,3'-Dichlorobenzidine	1	ug/l	1.2	ND
3-Nitroaniline	1	ug/l	1.2	ND
4,6-Dinitro-2-methylphenol	1	ug/l	1.2	ND
4-Bromophenyl-phenylether	1	ug/l	1.2	ND
4-Chloro-3-methylphenol	1	ug/l	1.2	ND
4-Chloroaniline	1	ug/l	0.30	ND
4-Chlorophenyl-phenylether	1	ug/l	1.2	ND
4-Nitroaniline	1	ug/l	1.2	ND
4-Nitrophenol	1	ug/l	1.2	ND
Acenaphthene	1	ug/l	1.2	ND
Acenaphthylene	1	ug/l	1.2	ND
Aniline	1	ug/l	1.2	ND
Anthracene	1	ug/l	1.2	ND
Benzidine	1	ug/l	6.0	ND
Benzo[a]anthracene	1	ug/l	1.2	ND
Benzo[a]pyrene	1	ug/l	1.2	ND
Benzo[b]fluoranthene	1	ug/l	1.2	ND
Benzo[g,h,i]perylene	1	ug/l	1.2	ND
Benzo[k]fluoranthene	1	ug/l	1.2	ND
Benzoic acid	1	ug/l	6.0	ND
bis(2-Chloroethoxy)methane	1	ug/l	1.2	ND
bis(2-Chloroethyl)ether	1	ug/l	0.30	ND
bis(2-Chloroisopropyl)ether	1	ug/l	1.2	ND
bis(2-Ethylhexyl)phthalate	1	ug/l	1.2	ND
Butylbenzylphthalate	1	ug/l	1.2	ND
Carbazole	1	ug/l	1.2	ND
Chrysene	1	ug/l	1.2	ND
Dibenzo[a,h]anthracene	1	ug/l	1.2	ND
Dibenzofuran	1	ug/l	0.30	ND
Diethylphthalate	1	ug/l	1.2	ND
Dimethylphthalate	1	ug/l	1.2	ND
Di-n-butylphthalate	1	ug/l	0.30	ND
Di-n-octylphthalate	1	ug/l	1.2	ND
Fluoranthene	1	ug/l	1.2	ND
Fluorene	1	ug/l	1.2	ND
Hexachlorobenzene	1	ug/l	1.2	ND
Hexachlorobutadiene	1	ug/l	1.2	ND
Hexachlorocyclopentadiene	1	ug/l	1.2	ND
Hexachloroethane	1	ug/l	1.2	ND
Indeno[1,2,3-cd]pyrene	1	ug/l	1.2	ND
Isophorone	1	ug/l	1.2	ND
Naphthalene	1	ug/l	0.30	ND
Nitrobenzene	1	ug/l	1.2	ND
N-Nitrosodimethylamine	1	ug/l	1.2	ND
N-Nitroso-di-n-propylamine	1	ug/l	0.30	ND
N-Nitrosodiphenylamine	1	ug/l	1.2	ND
Pentachlorophenol	1	ug/l	6.0	ND
Phenanthrene	1	ug/l	1.2	ND
Phenol	1	ug/l	1.2	ND
Pyrene	1	ug/l	1.2	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	**1**	**ug/l**	**180**	**59000**
Antimony	1	ug/l	12	ND
Arsenic	**1**	**ug/l**	**7.5**	**9.9**
Barium	**1**	**ug/l**	**50**	**800**

Sample ID: MW-3 U **Collection Date: 7/24/2012**
Lab#: AC67271-005 **Receipt Date: 7/25/2012**
Matrix: Aqueous

Beryllium	**1**	**ug/l**	**4.0**	**7.6**
Cadmium	1	ug/l	3.5	ND
Calcium	**1**	**ug/l**	**2000**	**110000**
Chromium	**1**	**ug/l**	**50**	**110**
Cobalt	**1**	**ug/l**	**20**	**33**
Copper	**1**	**ug/l**	**50**	**160**
Iron	**1**	**ug/l**	**280**	**92000**
Lead	**1**	**ug/l**	**4.0**	**250**
Magnesium	**1**	**ug/l**	**2000**	**54000**
Manganese	**1**	**ug/l**	**40**	**2900**
Nickel	**1**	**ug/l**	**50**	**81**
Potassium	**1**	**ug/l**	**5000**	**26000**
Selenium	1	ug/l	40	ND
Silver	1	ug/l	20	ND
Sodium	**1**	**ug/l**	**5000**	**120000**
Thallium	1	ug/l	10	ND
Vanadium	**1**	**ug/l**	**50**	**93**
Zinc	**1**	**ug/l**	**50**	**180**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichloropropane	1	ug/l	1.0	ND
1,2,4-Trimethylbenzene	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3,5-Trimethylbenzene	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,3-Dichloropropane	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Chloroethylvinylether	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Isopropyltoluene	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Acrolein	1	ug/l	5.0	ND
Acrylonitrile	1	ug/l	2.0	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	**1**	**ug/l**	**1.0**	**12**
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND

Sample ID: MW-3 U
Lab#: AC67271-005
Matrix: Aqueous

Collection Date: 7/24/2012
Receipt Date: 7/25/2012

Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
n-Butylbenzene	1	ug/l	1.0	ND
n-Propylbenzene	1	ug/l	1.0	ND
o-Xylene	1	ug/l	1.0	ND
sec-Butylbenzene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
t-Butyl Alcohol	1	ug/l	5.0	ND
t-Butylbenzene	1	ug/l	1.0	ND
Tetrachloroethene	**1**	**ug/l**	**1.0**	**8.4**
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	**1**	**ug/l**	**1.0**	**49**
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: MW-3 F
Lab#: AC67271-006
Matrix: Aqueous

Collection Date: 7/24/2012
Receipt Date: 7/25/2012

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	**1**	**ug/l**	**180**	**450**
Antimony	1	ug/l	12	ND
Arsenic	1	ug/l	7.5	ND
Barium	**1**	**ug/l**	**50**	**81**
Beryllium	1	ug/l	4.0	ND
Cadmium	1	ug/l	3.5	ND
Calcium	**1**	**ug/l**	**2000**	**89000**
Chromium	1	ug/l	50	ND
Cobalt	1	ug/l	20	ND
Copper	1	ug/l	50	ND
Iron	**1**	**ug/l**	**280**	**410**
Lead	1	ug/l	4.0	ND
Magnesium	**1**	**ug/l**	**2000**	**46000**
Manganese	**1**	**ug/l**	**40**	**810**
Nickel	1	ug/l	50	ND
Potassium	**1**	**ug/l**	**5000**	**11000**
Selenium	1	ug/l	40	ND
Silver	1	ug/l	20	ND
Sodium	**1**	**ug/l**	**5000**	**120000**
Thallium	1	ug/l	10	ND
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND

Sample ID: MW-3 DUPLICATE U
Lab#: AC67271-007
Matrix: Aqueous

Collection Date: 7/24/2012
Receipt Date: 7/25/2012

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
Aldrin	1	ug/l	0.0065	ND
Alpha-BHC	1	ug/l	0.0065	ND
beta-BHC	1	ug/l	0.0065	ND
Chlordane	1	ug/l	0.065	ND
delta-BHC	1	ug/l	0.0065	ND
Dieldrin	1	ug/l	0.0065	ND
Endosulfan I	1	ug/l	0.0065	ND
Endosulfan II	1	ug/l	0.0065	ND
Endosulfan Sulfate	1	ug/l	0.0065	ND
Endrin	1	ug/l	0.0065	ND
Endrin Aldehyde	1	ug/l	0.0065	ND
Endrin Ketone	1	ug/l	0.0065	ND
gamma-BHC	1	ug/l	0.0065	ND
Heptachlor	1	ug/l	0.0065	ND
Heptachlor Epoxide	1	ug/l	0.0065	ND
Methoxychlor	1	ug/l	0.0065	ND
p,p'-DDD	1	ug/l	0.0065	ND
p,p'-DDE	1	ug/l	0.0065	ND
p,p'-DDT	1	ug/l	0.0065	ND
Toxaphene	1	ug/l	0.16	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	ug/l	0.16	ND
Aroclor-1016	1	ug/l	0.16	ND
Aroclor-1221	1	ug/l	0.16	ND
Aroclor-1232	1	ug/l	0.16	ND
Aroclor-1242	1	ug/l	0.16	ND
Aroclor-1248	1	ug/l	0.16	ND
Aroclor-1254	1	ug/l	0.16	ND
Aroclor-1260	1	ug/l	0.16	ND
Aroclor-1262	1	ug/l	0.16	ND
Aroclor-1268	1	ug/l	0.16	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,2-Diphenylhydrazine	1	ug/l	1.2	ND
2,4,5-Trichlorophenol	1	ug/l	1.2	ND
2,4,6-Trichlorophenol	1	ug/l	1.2	ND
2,4-Dichlorophenol	1	ug/l	1.2	ND
2,4-Dimethylphenol	1	ug/l	1.2	ND
2,4-Dinitrophenol	1	ug/l	5.8	ND
2,4-Dinitrotoluene	1	ug/l	1.2	ND
2,6-Dinitrotoluene	1	ug/l	1.2	ND
2-Chloronaphthalene	1	ug/l	1.2	ND
2-Chlorophenol	1	ug/l	1.2	ND
2-Methylnaphthalene	1	ug/l	1.2	ND
2-Methylphenol	1	ug/l	0.29	ND
2-Nitroaniline	1	ug/l	1.2	ND
2-Nitrophenol	1	ug/l	1.2	ND
3&4-Methylphenol	1	ug/l	0.29	ND

Sample ID: MW-3 DUPLICATE U **Collection Date: 7/24/2012**
Lab#: AC67271-007 **Receipt Date: 7/25/2012**
Matrix: Aqueous

3,3'-Dichlorobenzidine	1	ug/l	1.2	ND
3-Nitroaniline	1	ug/l	1.2	ND
4,6-Dinitro-2-methylphenol	1	ug/l	1.2	ND
4-Bromophenyl-phenylether	1	ug/l	1.2	ND
4-Chloro-3-methylphenol	1	ug/l	1.2	ND
4-Chloroaniline	1	ug/l	0.29	ND
4-Chlorophenyl-phenylether	1	ug/l	1.2	ND
4-Nitroaniline	1	ug/l	1.2	ND
4-Nitrophenol	1	ug/l	1.2	ND
Acenaphthene	1	ug/l	1.2	ND
Acenaphthylene	1	ug/l	1.2	ND
Aniline	1	ug/l	1.2	ND
Anthracene	1	ug/l	1.2	ND
Benzidine	1	ug/l	5.8	ND
Benzo[a]anthracene	1	ug/l	1.2	ND
Benzo[a]pyrene	1	ug/l	1.2	ND
Benzo[b]fluoranthene	1	ug/l	1.2	ND
Benzo[g,h,i]perylene	1	ug/l	1.2	ND
Benzo[k]fluoranthene	1	ug/l	1.2	ND
Benzoic acid	1	ug/l	5.8	ND
bis(2-Chloroethoxy)methane	1	ug/l	1.2	ND
bis(2-Chloroethyl)ether	1	ug/l	0.29	ND
bis(2-Chloroisopropyl)ether	1	ug/l	1.2	ND
bis(2-Ethylhexyl)phthalate	1	ug/l	1.2	ND
Butylbenzylphthalate	1	ug/l	1.2	ND
Carbazole	1	ug/l	1.2	ND
Chrysene	1	ug/l	1.2	ND
Dibenzo[a,h]anthracene	1	ug/l	1.2	ND
Dibenzofuran	1	ug/l	0.29	ND
Diethylphthalate	1	ug/l	1.2	ND
Dimethylphthalate	1	ug/l	1.2	ND
Di-n-butylphthalate	1	ug/l	0.29	ND
Di-n-octylphthalate	1	ug/l	1.2	ND
Fluoranthene	1	ug/l	1.2	ND
Fluorene	1	ug/l	1.2	ND
Hexachlorobenzene	1	ug/l	1.2	ND
Hexachlorobutadiene	1	ug/l	1.2	ND
Hexachlorocyclopentadiene	1	ug/l	1.2	ND
Hexachloroethane	1	ug/l	1.2	ND
Indeno[1,2,3-cd]pyrene	1	ug/l	1.2	ND
Isophorone	1	ug/l	1.2	ND
Naphthalene	1	ug/l	0.29	ND
Nitrobenzene	1	ug/l	1.2	ND
N-Nitrosodimethylamine	1	ug/l	1.2	ND
N-Nitroso-di-n-propylamine	1	ug/l	0.29	ND
N-Nitrosodiphenylamine	1	ug/l	1.2	ND
Pentachlorophenol	1	ug/l	5.8	ND
Phenanthrene	1	ug/l	1.2	ND
Phenol	1	ug/l	1.2	ND
Pyrene	1	ug/l	1.2	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	**1**	**ug/l**	**180**	**56000**
Antimony	1	ug/l	12	ND
Arsenic	**1**	**ug/l**	**7.5**	**10**
Barium	**1**	**ug/l**	**50**	**780**

Sample ID: MW-3 DUPLICATE U | **Collection Date: 7/24/2012**
Lab#: AC67271-007 | **Receipt Date: 7/25/2012**
Matrix: Aqueous

Beryllium	**1**	**ug/l**	**4.0**	**7.3**
Cadmium	1	ug/l	3.5	ND
Calcium	**1**	**ug/l**	**2000**	**110000**
Chromium	**1**	**ug/l**	**50**	**110**
Cobalt	**1**	**ug/l**	**20**	**33**
Copper	**1**	**ug/l**	**50**	**160**
Iron	**1**	**ug/l**	**280**	**89000**
Lead	**1**	**ug/l**	**4.0**	**250**
Magnesium	**1**	**ug/l**	**2000**	**54000**
Manganese	**1**	**ug/l**	**40**	**2800**
Nickel	**1**	**ug/l**	**50**	**79**
Potassium	**1**	**ug/l**	**5000**	**25000**
Selenium	1	ug/l	40	ND
Silver	1	ug/l	20	ND
Sodium	**1**	**ug/l**	**5000**	**120000**
Thallium	1	ug/l	10	ND
Vanadium	**1**	**ug/l**	**50**	**91**
Zinc	**1**	**ug/l**	**50**	**170**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichloropropane	1	ug/l	1.0	ND
1,2,4-Trimethylbenzene	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3,5-Trimethylbenzene	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,3-Dichloropropane	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Chloroethylvinylether	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Isopropyltoluene	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Acrolein	1	ug/l	5.0	ND
Acrylonitrile	1	ug/l	2.0	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND

Sample ID: MW-3 DUPLICATE U
Lab#: AC67271-007
Matrix: Aqueous

Collection Date: 7/24/2012
Receipt Date: 7/25/2012

Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
n-Butylbenzene	1	ug/l	1.0	ND
n-Propylbenzene	1	ug/l	1.0	ND
o-Xylene	1	ug/l	1.0	ND
sec-Butylbenzene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
t-Butyl Alcohol	1	ug/l	5.0	ND
t-Butylbenzene	1	ug/l	1.0	ND
Tetrachloroethene	**1**	**ug/l**	**1.0**	**8.1**
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	**1**	**ug/l**	**1.0**	**48**
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: MW-3 DUPLICATE F
Lab#: AC67271-008
Matrix: Aqueous

Collection Date: 7/24/2012
Receipt Date: 7/25/2012

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	180	ND
Antimony	1	ug/l	12	ND
Arsenic	1	ug/l	7.5	ND
Barium	**1**	**ug/l**	**50**	**79**
Beryllium	1	ug/l	4.0	ND
Cadmium	1	ug/l	3.5	ND
Calcium	**1**	**ug/l**	**2000**	**90000**
Chromium	1	ug/l	50	ND
Cobalt	1	ug/l	20	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	280	ND
Lead	1	ug/l	4.0	ND
Magnesium	**1**	**ug/l**	**2000**	**46000**
Manganese	**1**	**ug/l**	**40**	**850**
Nickel	1	ug/l	50	ND
Potassium	**1**	**ug/l**	**5000**	**12000**
Selenium	1	ug/l	40	ND
Silver	1	ug/l	20	ND
Sodium	**1**	**ug/l**	**5000**	**130000**
Thallium	1	ug/l	10	ND
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND

Sample ID: MW-4 U
Lab#: AC67271-009
Matrix: Aqueous

Collection Date: 7/24/2012
Receipt Date: 7/25/2012

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
Aldrin	1	ug/l	0.010	ND
Alpha-BHC	1	ug/l	0.010	ND
beta-BHC	1	ug/l	0.010	ND
Chlordane	1	ug/l	0.10	ND
delta-BHC	1	ug/l	0.010	ND
Dieldrin	1	ug/l	0.010	ND
Endosulfan I	1	ug/l	0.010	ND
Endosulfan II	1	ug/l	0.010	ND
Endosulfan Sulfate	1	ug/l	0.010	ND
Endrin	1	ug/l	0.010	ND
Endrin Aldehyde	1	ug/l	0.010	ND
Endrin Ketone	1	ug/l	0.010	ND
gamma-BHC	1	ug/l	0.010	ND
Heptachlor	1	ug/l	0.010	ND
Heptachlor Epoxide	1	ug/l	0.010	ND
Methoxychlor	1	ug/l	0.010	ND
p,p'-DDD	1	ug/l	0.010	ND
p,p'-DDE	1	ug/l	0.010	ND
p,p'-DDT	1	ug/l	0.010	ND
Toxaphene	1	ug/l	0.26	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	ug/l	0.26	ND
Aroclor-1016	1	ug/l	0.26	ND
Aroclor-1221	1	ug/l	0.26	ND
Aroclor-1232	1	ug/l	0.26	ND
Aroclor-1242	1	ug/l	0.26	ND
Aroclor-1248	1	ug/l	0.26	ND
Aroclor-1254	1	ug/l	0.26	ND
Aroclor-1260	1	ug/l	0.26	ND
Aroclor-1262	1	ug/l	0.26	ND
Aroclor-1268	1	ug/l	0.26	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,2-Diphenylhydrazine	1	ug/l	2.1	ND
2,4,5-Trichlorophenol	1	ug/l	2.1	ND
2,4,6-Trichlorophenol	1	ug/l	2.1	ND
2,4-Dichlorophenol	1	ug/l	2.1	ND
2,4-Dimethylphenol	1	ug/l	2.1	ND
2,4-Dinitrophenol	1	ug/l	11	ND
2,4-Dinitrotoluene	1	ug/l	2.1	ND
2,6-Dinitrotoluene	1	ug/l	2.1	ND
2-Chloronaphthalene	1	ug/l	2.1	ND
2-Chlorophenol	1	ug/l	2.1	ND
2-Methylnaphthalene	1	ug/l	2.1	ND
2-Methylphenol	1	ug/l	0.53	ND
2-Nitroaniline	1	ug/l	2.1	ND
2-Nitrophenol	1	ug/l	2.1	ND
3&4-Methylphenol	1	ug/l	0.53	ND

Sample ID: MW-4 U
Lab#: AC67271-009
Matrix: Aqueous

Collection Date: 7/24/2012
Receipt Date: 7/25/2012

3,3'-Dichlorobenzidine	1	ug/l	2.1	ND
3-Nitroaniline	1	ug/l	2.1	ND
4,6-Dinitro-2-methylphenol	1	ug/l	11	ND
4-Bromophenyl-phenylether	1	ug/l	2.1	ND
4-Chloro-3-methylphenol	1	ug/l	2.1	ND
4-Chloroaniline	1	ug/l	0.53	ND
4-Chlorophenyl-phenylether	1	ug/l	2.1	ND
4-Nitroaniline	1	ug/l	2.1	ND
4-Nitrophenol	1	ug/l	2.1	ND
Acenaphthene	1	ug/l	2.1	ND
Acenaphthylene	1	ug/l	2.1	ND
Aniline	1	ug/l	2.1	ND
Anthracene	1	ug/l	2.1	ND
Benzidine	1	ug/l	11	ND
Benzo[a]anthracene	1	ug/l	2.1	ND
Benzo[a]pyrene	1	ug/l	2.1	ND
Benzo[b]fluoranthene	1	ug/l	2.1	ND
Benzo[g,h,i]perylene	1	ug/l	2.1	ND
Benzo[k]fluoranthene	1	ug/l	2.1	ND
Benzoic acid	1	ug/l	11	ND
bis(2-Chloroethoxy)methane	1	ug/l	2.1	ND
bis(2-Chloroethyl)ether	1	ug/l	0.53	ND
bis(2-Chloroisopropyl)ether	1	ug/l	2.1	ND
bis(2-Ethylhexyl)phthalate	**1**	**ug/l**	**2.1**	**5.9**
Butylbenzylphthalate	1	ug/l	2.1	ND
Carbazole	1	ug/l	2.1	ND
Chrysene	1	ug/l	2.1	ND
Dibenzo[a,h]anthracene	1	ug/l	2.1	ND
Dibenzofuran	1	ug/l	0.53	ND
Diethylphthalate	1	ug/l	2.1	ND
Dimethylphthalate	1	ug/l	2.1	ND
Di-n-butylphthalate	1	ug/l	0.53	ND
Di-n-octylphthalate	1	ug/l	2.1	ND
Fluoranthene	1	ug/l	2.1	ND
Fluorene	1	ug/l	2.1	ND
Hexachlorobenzene	1	ug/l	2.1	ND
Hexachlorobutadiene	1	ug/l	2.1	ND
Hexachlorocyclopentadiene	1	ug/l	2.1	ND
Hexachloroethane	1	ug/l	2.1	ND
Indeno[1,2,3-cd]pyrene	1	ug/l	2.1	ND
Isophorone	1	ug/l	2.1	ND
Naphthalene	1	ug/l	0.53	ND
Nitrobenzene	1	ug/l	2.1	ND
N-Nitrosodimethylamine	1	ug/l	2.1	ND
N-Nitroso-di-n-propylamine	1	ug/l	0.53	ND
N-Nitrosodiphenylamine	1	ug/l	2.1	ND
Pentachlorophenol	1	ug/l	11	ND
Phenanthrene	1	ug/l	2.1	ND
Phenol	1	ug/l	2.1	ND
Pyrene	1	ug/l	2.1	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	**1**	**ug/l**	**180**	**9500**
Antimony	1	ug/l	12	ND
Arsenic	1	ug/l	7.5	ND
Barium	**1**	**ug/l**	**50**	**250**

Sample ID: MW-4 U
Lab#: AC67271-009
Matrix: Aqueous

Collection Date: 7/24/2012
Receipt Date: 7/25/2012

Beryllium	1	ug/l	4.0	ND
Cadmium	1	ug/l	3.5	ND
Calcium	**1**	**ug/l**	**2000**	**27000**
Chromium	1	ug/l	50	ND
Cobalt	1	ug/l	20	ND
Copper	1	ug/l	50	ND
Iron	**1**	**ug/l**	**280**	**20000**
Lead	**1**	**ug/l**	**4.0**	**19**
Magnesium	**1**	**ug/l**	**2000**	**19000**
Manganese	**1**	**ug/l**	**40**	**930**
Nickel	1	ug/l	50	ND
Potassium	**1**	**ug/l**	**5000**	**9000**
Selenium	1	ug/l	40	ND
Silver	1	ug/l	20	ND
Sodium	**1**	**ug/l**	**5000**	**82000**
Thallium	1	ug/l	10	ND
Vanadium	1	ug/l	50	ND
Zinc	**1**	**ug/l**	**50**	**50**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichloropropane	1	ug/l	1.0	ND
1,2,4-Trimethylbenzene	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3,5-Trimethylbenzene	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,3-Dichloropropane	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Chloroethylvinylether	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Isopropyltoluene	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Acrolein	1	ug/l	5.0	ND
Acrylonitrile	1	ug/l	2.0	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND

Sample ID: MW-4 U
Lab#: AC67271-009
Matrix: Aqueous

Collection Date: 7/24/2012
Receipt Date: 7/25/2012

Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
n-Butylbenzene	1	ug/l	1.0	ND
n-Propylbenzene	1	ug/l	1.0	ND
o-Xylene	1	ug/l	1.0	ND
sec-Butylbenzene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
t-Butyl Alcohol	1	ug/l	5.0	ND
t-Butylbenzene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	**1**	**ug/l**	**1.0**	**2.1**
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: MW-4 F
Lab#: AC67271-010
Matrix: Aqueous

Collection Date: 7/24/2012
Receipt Date: 7/25/2012

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	180	ND
Antimony	1	ug/l	12	ND
Arsenic	1	ug/l	7.5	ND
Barium	1	ug/l	50	ND
Beryllium	1	ug/l	4.0	ND
Cadmium	1	ug/l	3.5	ND
Calcium	**1**	**ug/l**	**2000**	**23000**
Chromium	1	ug/l	50	ND
Cobalt	1	ug/l	20	ND
Copper	1	ug/l	50	ND
Iron	**1**	**ug/l**	**280**	**2600**
Lead	1	ug/l	4.0	ND
Magnesium	**1**	**ug/l**	**2000**	**15000**
Manganese	**1**	**ug/l**	**40**	**740**
Nickel	1	ug/l	50	ND
Potassium	**1**	**ug/l**	**5000**	**5900**
Selenium	1	ug/l	40	ND
Silver	1	ug/l	20	ND
Sodium	**1**	**ug/l**	**5000**	**75000**
Thallium	1	ug/l	10	ND
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND

Sample ID: TRIP BLANK
Lab#: AC67271-011
Matrix: Aqueous

Collection Date: 7/24/2012
Receipt Date: 7/25/2012

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichloropropane	1	ug/l	1.0	ND
1,2,4-Trimethylbenzene	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3,5-Trimethylbenzene	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,3-Dichloropropane	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Chloroethylvinylether	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Isopropyltoluene	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Acrolein	1	ug/l	5.0	ND
Acrylonitrile	1	ug/l	2.0	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
n-Butylbenzene	1	ug/l	1.0	ND
n-Propylbenzene	1	ug/l	1.0	ND
o-Xylene	1	ug/l	1.0	ND
sec-Butylbenzene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
t-Butyl Alcohol	1	ug/l	5.0	ND
t-Butylbenzene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND

Sample ID: TRIP BLANK
Lab#: AC67271-011
Matrix: Aqueous

Collection Date: 7/24/2012
Receipt Date: 7/25/2012

Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: FIELD BLANK U | **Collection Date: 7/24/2012**
Lab#: AC67271-012 | **Receipt Date: 7/25/2012**
Matrix: Aqueous

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
Aldrin	1	ug/l	0.010	ND
Alpha-BHC	1	ug/l	0.010	ND
beta-BHC	1	ug/l	0.010	ND
Chlordane	1	ug/l	0.10	ND
delta-BHC	1	ug/l	0.010	ND
Dieldrin	1	ug/l	0.010	ND
Endosulfan I	1	ug/l	0.010	ND
Endosulfan II	1	ug/l	0.010	ND
Endosulfan Sulfate	1	ug/l	0.010	ND
Endrin	1	ug/l	0.010	ND
Endrin Aldehyde	1	ug/l	0.010	ND
Endrin Ketone	1	ug/l	0.010	ND
gamma-BHC	1	ug/l	0.010	ND
Heptachlor	1	ug/l	0.010	ND
Heptachlor Epoxide	1	ug/l	0.010	ND
Methoxychlor	1	ug/l	0.010	ND
p,p'-DDD	1	ug/l	0.010	ND
p,p'-DDE	1	ug/l	0.010	ND
p,p'-DDT	1	ug/l	0.010	ND
Toxaphene	1	ug/l	0.26	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	ug/l	0.26	ND
Aroclor-1016	1	ug/l	0.26	ND
Aroclor-1221	1	ug/l	0.26	ND
Aroclor-1232	1	ug/l	0.26	ND
Aroclor-1242	1	ug/l	0.26	ND
Aroclor-1248	1	ug/l	0.26	ND
Aroclor-1254	1	ug/l	0.26	ND
Aroclor-1260	1	ug/l	0.26	ND
Aroclor-1262	1	ug/l	0.26	ND
Aroclor-1268	1	ug/l	0.26	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,2-Diphenylhydrazine	1	ug/l	2.2	ND
2,4,5-Trichlorophenol	1	ug/l	2.2	ND
2,4,6-Trichlorophenol	1	ug/l	2.2	ND
2,4-Dichlorophenol	1	ug/l	2.2	ND
2,4-Dimethylphenol	1	ug/l	2.2	ND
2,4-Dinitrophenol	1	ug/l	11	ND
2,4-Dinitrotoluene	1	ug/l	2.2	ND
2,6-Dinitrotoluene	1	ug/l	2.2	ND
2-Chloronaphthalene	1	ug/l	2.2	ND
2-Chlorophenol	1	ug/l	2.2	ND
2-Methylnaphthalene	1	ug/l	2.2	ND
2-Methylphenol	1	ug/l	0.56	ND
2-Nitroaniline	1	ug/l	2.2	ND
2-Nitrophenol	1	ug/l	2.2	ND
3&4-Methylphenol	1	ug/l	0.56	ND

Sample ID: FIELD BLANK U **Collection Date: 7/24/2012**
Lab#: AC67271-012 **Receipt Date: 7/25/2012**
Matrix: Aqueous

3,3'-Dichlorobenzidine	1	ug/l	2.2	ND
3-Nitroaniline	1	ug/l	2.2	ND
4,6-Dinitro-2-methylphenol	1	ug/l	11	ND
4-Bromophenyl-phenylether	1	ug/l	2.2	ND
4-Chloro-3-methylphenol	1	ug/l	2.2	ND
4-Chloroaniline	1	ug/l	0.56	ND
4-Chlorophenyl-phenylether	1	ug/l	2.2	ND
4-Nitroaniline	1	ug/l	2.2	ND
4-Nitrophenol	1	ug/l	2.2	ND
Acenaphthene	1	ug/l	2.2	ND
Acenaphthylene	1	ug/l	2.2	ND
Aniline	1	ug/l	2.2	ND
Anthracene	1	ug/l	2.2	ND
Benzidine	1	ug/l	11	ND
Benzo[a]anthracene	1	ug/l	2.2	ND
Benzo[a]pyrene	1	ug/l	2.2	ND
Benzo[b]fluoranthene	1	ug/l	2.2	ND
Benzo[g,h,i]perylene	1	ug/l	2.2	ND
Benzo[k]fluoranthene	1	ug/l	2.2	ND
Benzoic acid	1	ug/l	11	ND
bis(2-Chloroethoxy)methane	1	ug/l	2.2	ND
bis(2-Chloroethyl)ether	1	ug/l	0.56	ND
bis(2-Chloroisopropyl)ether	1	ug/l	2.2	ND
bis(2-Ethylhexyl)phthalate	1	ug/l	2.2	ND
Butylbenzylphthalate	1	ug/l	2.2	ND
Carbazole	1	ug/l	2.2	ND
Chrysene	1	ug/l	2.2	ND
Dibenzo[a,h]anthracene	1	ug/l	2.2	ND
Dibenzofuran	1	ug/l	0.56	ND
Diethylphthalate	1	ug/l	2.2	ND
Dimethylphthalate	1	ug/l	2.2	ND
Di-n-butylphthalate	1	ug/l	0.56	ND
Di-n-octylphthalate	1	ug/l	2.2	ND
Fluoranthene	1	ug/l	2.2	ND
Fluorene	1	ug/l	2.2	ND
Hexachlorobenzene	1	ug/l	2.2	ND
Hexachlorobutadiene	1	ug/l	2.2	ND
Hexachlorocyclopentadiene	1	ug/l	2.2	ND
Hexachloroethane	1	ug/l	2.2	ND
Indeno[1,2,3-cd]pyrene	1	ug/l	2.2	ND
Isophorone	1	ug/l	2.2	ND
Naphthalene	1	ug/l	0.56	ND
Nitrobenzene	1	ug/l	2.2	ND
N-Nitrosodimethylamine	1	ug/l	2.2	ND
N-Nitroso-di-n-propylamine	1	ug/l	0.56	ND
N-Nitrosodiphenylamine	1	ug/l	2.2	ND
Pentachlorophenol	1	ug/l	11	ND
Phenanthrene	1	ug/l	2.2	ND
Phenol	1	ug/l	2.2	ND
Pyrene	1	ug/l	2.2	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	180	ND
Antimony	1	ug/l	12	ND
Arsenic	1	ug/l	7.5	ND
Barium	1	ug/l	50	ND

Sample ID: FIELD BLANK U **Collection Date: 7/24/2012**
Lab#: AC67271-012 **Receipt Date: 7/25/2012**
Matrix: Aqueous

Beryllium	1	ug/l	4.0	ND
Cadmium	1	ug/l	3.5	ND
Calcium	1	ug/l	2000	ND
Chromium	1	ug/l	50	ND
Cobalt	1	ug/l	20	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	280	ND
Lead	1	ug/l	4.0	ND
Magnesium	1	ug/l	2000	ND
Manganese	1	ug/l	40	ND
Nickel	1	ug/l	50	ND
Potassium	1	ug/l	5000	ND
Selenium	1	ug/l	40	ND
Silver	1	ug/l	20	ND
Sodium	1	ug/l	5000	ND
Thallium	1	ug/l	10	ND
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichloropropane	1	ug/l	1.0	ND
1,2,4-Trimethylbenzene	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3,5-Trimethylbenzene	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,3-Dichloropropane	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Chloroethylvinylether	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Isopropyltoluene	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Acrolein	1	ug/l	5.0	ND
Acrylonitrile	1	ug/l	2.0	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND

Sample ID: FIELD BLANK U
Lab#: AC67271-012
Matrix: Aqueous

Collection Date: 7/24/2012
Receipt Date: 7/25/2012

Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
n-Butylbenzene	1	ug/l	1.0	ND
n-Propylbenzene	1	ug/l	1.0	ND
o-Xylene	1	ug/l	1.0	ND
sec-Butylbenzene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
t-Butyl Alcohol	1	ug/l	5.0	ND
t-Butylbenzene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: FIELD BLANK F
Lab#: AC67271-013
Matrix: Aqueous

Collection Date: 7/24/2012
Receipt Date: 7/25/2012

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	180	ND
Antimony	1	ug/l	12	ND
Arsenic	1	ug/l	7.5	ND
Barium	1	ug/l	50	ND
Beryllium	1	ug/l	4.0	ND
Cadmium	1	ug/l	3.5	ND
Calcium	1	ug/l	2000	ND
Chromium	1	ug/l	50	ND
Cobalt	1	ug/l	20	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	280	ND
Lead	1	ug/l	4.0	ND
Magnesium	1	ug/l	2000	ND
Manganese	1	ug/l	40	ND
Nickel	1	ug/l	50	ND
Potassium	1	ug/l	5000	ND
Selenium	1	ug/l	40	ND
Silver	1	ug/l	20	ND
Sodium	1	ug/l	5000	ND
Thallium	1	ug/l	10	ND
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND

HCV Reporting Limit Definitions/Data Qualifiers

REPORTING DEFINITIONS

DF = Dilution Factor

MDL = Method Detection Limit

RL* = Reporting Limit

ND = Not Detected

RT = Retention Time

NA = Not Applicable

**Samples with elevated Reporting Limits (RLs) as a result of a dilution may not achieve client reporting limits in some cases. The elevated RLs are unavoidable consequences of sample dilution required to quantitate target analytes that exceed the calibration range of the instrument.*

DATA QUALIFIERS

B- Indicates analyte was present in the Method Blank and sample.

d- For Pesticide and PCB analysis, the concentration between primary and secondary columns is greater than 40%. The lower concentration is generally reported.

E- Indicates the concentration exceeded the upper calibration range of the instrument.

J- Indicates the value is estimated because it is either a Tentatively Identified Compound (TIC) or the reported concentration is greater than the MDL but less than the RL. For samples results between the MDL and RL there is a possibility of false positives or misidentification at the quantitation levels. Additionally, the acceptance criteria for QC samples may not be met.

Laboratory Chronicle

Client: Whitestone Associates

HCV Project #: 2072508

Project: EJ1111829.002

Lab#: AC67271-001 **Sample ID: MW-1 U**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	07/31/12	purva	EPA 7470A	7/31/12 16:17	CJA
Organochlorine Pesticides 8081	3510C/3550B	07/30/12	lv	EPA 8081A	7/31/12 10:34	JP/MS
PCB 8082	3510C/3550B	07/30/12	lv	EPA 8082	7/31/12 10:44	MS/JP
Semivolatile Organics (no search) 8270	3510C/3550B	07/27/12	mahaliac	EPA 8270C	7/27/12 16:59	AHD
TAL Metals 6010	3005&10/3050	07/31/12	purva	EPA 6010B	7/31/12 19:29	SRB
TAL Metals 6010	3005&10/3050	07/31/12	purva	EPA 6010B	8/1/12 02:22	SRB
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	8/1/12 10:09	WP

Lab#: AC67271-002 **Sample ID: MW-1 F**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	07/31/12	purva	EPA 7470A	7/31/12 16:18	CJA
TAL Metals 6010	3005&10/3050	07/31/12	purva	EPA 6010B	7/31/12 19:32	SRB
TAL Metals 6010	3005&10/3050	07/31/12	purva	EPA 6010B	8/1/12 02:25	SRB

Lab#: AC67271-003 **Sample ID: MW-2 U**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	07/31/12	purva	EPA 7470A	7/31/12 16:19	CJA
Organochlorine Pesticides 8081	3510C/3550B	07/30/12	lv	EPA 8081A	7/31/12 09:04	JP/MS
PCB 8082	3510C/3550B	07/30/12	lv	EPA 8082	7/31/12 10:59	MS/JP
Semivolatile Organics (no search) 8270	3510C/3550B	07/27/12	mahaliac	EPA 8270C	7/27/12 17:22	AHD
TAL Metals 6010	3005&10/3050	07/31/12	purva	EPA 6010B	7/31/12 19:36	SRB
TAL Metals 6010	3005&10/3050	07/31/12	purva	EPA 6010B	8/1/12 02:28	SRB
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	8/1/12 10:24	WP

Lab#: AC67271-004 **Sample ID: MW-2 F**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	07/31/12	purva	EPA 7470A	7/31/12 16:21	CJA
TAL Metals 6010	3005&10/3050	07/31/12	purva	EPA 6010B	7/31/12 19:40	SRB
TAL Metals 6010	3005&10/3050	07/31/12	purva	EPA 6010B	8/1/12 02:32	SRB

Laboratory Chronicle

Client: Whitestone Associates

Project: EJ1111829.002

HCV Project #: 2072508

Lab#: AC67271-005 **Sample ID: MW-3 U**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	07/31/12	purva	EPA 7470A	7/31/12 16:22	CJA
Organochlorine Pesticides 8081	3510C/3550B	07/30/12	lv	EPA 8081A	7/31/12 10:19	JP/MS
PCB 8082	3510C/3550B	07/30/12	lv	EPA 8082	7/31/12 11:14	MS/JP
Semivolatile Organics (no search) 8270	3510C/3550B	07/30/12	mahaliac	EPA 8270C	7/31/12 17:17	AHD
TAL Metals 6010	3005&10/3050	07/31/12	purva	EPA 6010B	8/1/12 02:35	SRB
TAL Metals 6010	3005&10/3050	07/31/12	purva	EPA 6010B	7/31/12 19:44	SRB
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	8/1/12 10:40	WP

Lab#: AC67271-006 **Sample ID: MW-3 F**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	07/31/12	purva	EPA 7470A	7/31/12 16:23	CJA
TAL Metals 6010	3005&10/3050	07/31/12	purva	EPA 6010B	8/1/12 02:51	SRB
TAL Metals 6010	3005&10/3050	07/31/12	purva	EPA 6010B	7/31/12 20:07	SRB

Lab#: AC67271-007 **Sample ID: MW-3 DUPLICATE U**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	07/31/12	purva	EPA 7470A	7/31/12 16:25	CJA
Organochlorine Pesticides 8081	3510C/3550B	07/31/12	mahaliac	EPA 8081A	8/1/12 08:19	MS
PCB 8082	3510C/3550B	07/31/12	mahaliac	EPA 8082	8/1/12 10:47	MS
Semivolatile Organics (no search) 8270	3510C/3550B	07/30/12	mahaliac	EPA 8270C	7/31/12 17:41	AHD
TAL Metals 6010	3005&10/3050	07/31/12	purva	EPA 6010B	7/31/12 20:10	SRB
TAL Metals 6010	3005&10/3050	07/31/12	purva	EPA 6010B	8/1/12 02:55	SRB
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	8/1/12 10:56	WP

Lab#: AC67271-008 **Sample ID: MW-3 DUPLICATE F**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	07/31/12	purva	EPA 7470A	7/31/12 16:26	CJA
TAL Metals 6010	3005&10/3050	07/31/12	purva	EPA 6010B	7/31/12 20:15	SRB
TAL Metals 6010	3005&10/3050	07/31/12	purva	EPA 6010B	8/1/12 02:57	SRB

Laboratory Chronicle

Client: Whitestone Associates

Project: EJ1111829.002

HCV Project #: 2072508

Lab#: AC67271-009 **Sample ID: MW-4 U**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	07/31/12	purva	EPA 7470A	7/31/12 16:28	CJA
Organochlorine Pesticides 8081	3510C/3550B	07/30/12	lv	EPA 8081A	7/31/12 10:17	JP/MS
PCB 8082	3510C/3550B	07/30/12	lv	EPA 8082	7/31/12 11:43	MS/JP
Semivolatile Organics (no search) 8270	3510C/3550B	07/27/12	mahaliac	EPA 8270C	7/27/12 18:32	AHD
TAL Metals 6010	3005&10/3050	07/31/12	purva	EPA 6010B	7/31/12 20:18	SRB
TAL Metals 6010	3005&10/3050	07/31/12	purva	EPA 6010B	8/1/12 03:01	SRB
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	8/1/12 11:11	WP

Lab#: AC67271-010 **Sample ID: MW-4 F**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	07/31/12	purva	EPA 7470A	7/31/12 16:29	CJA
TAL Metals 6010	3005&10/3050	07/31/12	purva	EPA 6010B	7/31/12 20:22	SRB
TAL Metals 6010	3005&10/3050	07/31/12	purva	EPA 6010B	8/1/12 03:04	SRB

Lab#: AC67271-011 **Sample ID: TRIP BLANK**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	7/30/12 17:35	WP

Lab#: AC67271-012 **Sample ID: FIELD BLANK U**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	07/31/12	purva	EPA 7470A	7/31/12 16:33	CJA
Organochlorine Pesticides 8081	3510C/3550B	07/30/12	lv	EPA 8081A	7/31/12 09:59	JP/MS
PCB 8082	3510C/3550B	07/30/12	lv	EPA 8082	7/31/12 11:58	MS/JP
Semivolatile Organics (no search) 8270	3510C/3550B	07/27/12	mahaliac	EPA 8270C	7/27/12 18:55	AHD
TAL Metals 6010	3005&10/3050	07/31/12	purva	EPA 6010B	8/1/12 03:07	SRB
TAL Metals 6010	3005&10/3050	07/31/12	purva	EPA 6010B	7/31/12 20:26	SRB
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	7/30/12 17:53	WP

Laboratory Chronicle

Client: Whitestone Associates

Project: EJ1111829.002

HCV Project #: 2072508

Lab#: AC67271-013 **Sample ID: FIELD BLANK F**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	07/31/12	purva	EPA 7470A	7/31/12 16:34	CJA
TAL Metals 6010	3005&10/3050	07/31/12	purva	EPA 6010B	8/1/12 03:10	SRB
TAL Metals 6010	3005&10/3050	07/31/12	purva	EPA 6010B	7/31/12 20:30	SRB

Chain of Custody

Veritech/Division of Hampton-Clarke
175 Route 46 West and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1458
Service Center: 137-D Gaither Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056

HC-V HamptonClarke-Veritech

CHAIN OF CUSTODY RECORD

Project # (Lab Use Only): 2072508

NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | WV #353 | KY #90124

2072508 0045

Customer Information

1a) Customer: Whitestone Associates
Address: 35 Technology Drive
Warren, New Jersey 07059
1b) Email/Cell/Fax/Ph: CSeib@whitestoneassoc.com
1c) Send Invoice to: Christopher Seib
1d) Send Report to: Christopher Seib

Project Information

2a) Project: EJ1111829.002
2b) Project Mgr: Chris Seib
2c) Project Location (City/State): Bronx, NY
2d) Quote/PO # (If Applicable):

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Deliv.
24 Hours (100%)	Data Summary	Hazsite/CSV
48 Hours (75%)	Waste	EQuIS 4-File / EZ / NYS
72 Hours (50%)	Red - NJ / NY / PA	EQuIS EPA Region 2 or 5
4 Days (35%; TPH)	CLP	Excel - NJ Regulatory
1 Week (25%; EPH)	Full / Category B	Excel - NY Regulatory
10 Days (10%)	Category A	Excel - PA Regulatory
2 Weeks	Other:	PDF
Other:		Other:

Expedited TAT Not Always Available. Please Check with Lab.

FOR LAB USE ONLY ↓

Batch # AL67271

Check If Contingent ===>

Matrix Codes
DW - Drinking Water, S - Soil, A - Air
GW - Ground Water, SL - Sludge
WW - Waste Water, OL - Oil
OT - Other (please specify under item 9, Comments)

7) Analysis Request

<=== Check If Contingent

8) # of Bottles

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Composite (C)	Grab (G)	VO	BNA	Pesticides	PCBs	Metals-Total	Metals-Dissolved	None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
-001/-002	MW-1	GW	7/24/12	1:00		X	X	X	X	X	X	X	6				3				Metals-Dissolved
-003/-004	MW-2	GW	7/24/12	12:30		X	X	X	X	X	X	X	6				3				samples were
-005/-006	MW-3	GW	7/24/12	11:00		X	X	X	X	X	X	X	6				3				field filtered.
-007/-008	MW-3 Duplicate	GW	7/24/12	11:00		X	X	X	X	X	X	X	6				3				
-009/-010	MW-4	GW	7/24/12	2:30		X	X	X	X	X	X	X	6				3				
-011	Trip Blank		7/24/12	11:00			X										3				
-012/-013	Field Blank		7/24/12	11:00			X	X	X	X	X	X	6				3				

10) Relinquished by:	Accepted by:	Date	Time
Amy Lopez	John Bunnell	7/25/12	11:50 9:00
John Bunnell		7/25/12	12:20

Additional Notes

Comments, Notes, Special Requirements, HAZARDS

Note: Check if low-level groundwater methods required to meet current standards in NJ or PA:
- [ ] BN or BNA (8270C SIM)
- [ ] VOC (8260B SIM or 8011)
- [ ] Metals (ICP-MS 200.8 or 6020)
- [ ] Metals-Soil (ICP-MS 6020 for Be & Ag)

Note: Check if applicable:
- [ ] Project-Specific Reporting Limits
- [ ] High Contaminant Concentrations
- [ ] NJ LSRP Project

Cooler Temperature: 5.2 2.7 2.4

11) Sampler (print name): Amy Lopez Date: 7-25-12

Please circle required parameter list (refer to HC-V summary): i) NJ 2008 SRS; ii) Current TCL; iii) HC-V 2010 Merged; iv) PA; v) NY; vi) Project-Specific

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.

PROJECT MODIFICATIONS

Client: WHITESTONE
Project: EJ1111829.002

HCV Project #: 2072508

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anna192.168.1.64
7/26/2012 2:46:57 PM

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per Patrick Beesley expedite TAT to 1 week. Metals=tal metals. AL 7/26/12

CONDITION UPON RECEIPT

Batch Number AC67271

Entered By: Ricardo
Date Entered 7/25/2012 1:11:00 PM

1	Yes	Is there a corresponding COC included with the samples?
2	Yes	Are the samples in a container such as a cooler or Ice chest?
3	NO	Are the COC seals intact?
4	Yes	Please specify the Temperature inside the container (in degC) 3.2C,2.7C,2.4C
5	Yes	Are the samples refrigerated (where required)/have they arrived on ice?
6	Yes	Are the samples within the holding times for the parameters listed on the COC? IF no, list parameters and samples:
7	Yes	Are all of the sample bottles intact? If no, specify sample numbers broken/leaking
8	Yes	Are all of the sample labels or numbers legible? If no specify:
9	Yes	Do the contents match the COC? If no, specify
10	Yes	Is there enough sample sent for the analyses listed on the COC? If no, specify:
11	NO	Are samples preserved correctly? DISSOLVED METALS SAMPLE COC STATES THEY WERE FIELD FILTERED BUT THEY WERE RECEIVED UNPRESERVED.
12	Yes	Was temperature blank present (Place comment below if not)? If not was temperature of samples verified?
13	NA	Other comments ...Specify
14	NA	Corrective actions (Specify item number and corrective action taken). 11) Patrick Beesley and Amy Lopez were informed that the samples will be preserved here at the lab. AL 7/25/12

PRESERVATION DOCUMENT

Batch Number AC67271

Entered By: Ricardo
Date Entered 7/25/2012 1:13:00 PM

Lab#:	Container Siz	Container Typ	Paramete	Preservative	PH
AC67271-001	40ML	G	VO	HCL	1
AC67271-001	1L	G	PEST	NONE	7
AC67271-001	1L	P	METALS	HNO3	1
AC67271-002	NA	NA	NA	NA	NA
AC67271-002	NA	NA	NA	NA	NA
AC67271-002	NA	NA	NA	NA	NA
AC67271-003	40ML	G	VO	HCL	1
AC67271-003	1L	G	PEST	NONE	7
AC67271-003	1L	P	METALS	HNO3	1
AC67271-004	NA	NA	NA	NA	NA
AC67271-004	NA	NA	NA	NA	NA
AC67271-004	NA	NA	NA	NA	NA
AC67271-005	40ML	G	VO	HCL	1
AC67271-005	1L	G	PEST	NONE	7
AC67271-005	1L	P	METALS	HNO3	1
AC67271-006	NA	NA	NA	NA	NA
AC67271-006	NA	NA	NA	NA	NA
AC67271-006	NA	NA	NA	NA	NA
AC67271-007	40ML	G	VO	HCL	1
AC67271-007	1L	G	PEST	NONE	7
AC67271-007	1L	P	METALS	HNO3	1
AC67271-008	NA	NA	NA	NA	NA
AC67271-008	NA	NA	NA	NA	NA
AC67271-008	NA	NA	NA	NA	NA
AC67271-009	40ML	G	VO	HCL	1
AC67271-009	1L	G	PEST	NONE	7
AC67271-009	1L	P	METALS	HNO3	1
AC67271-010	NA	NA	NA	NA	NA
AC67271-010	NA	NA	NA	NA	NA
AC67271-010	NA	NA	NA	NA	NA
AC67271-011	40ML	G	VO	HCL	1
AC67271-011	NA	NA	NA	NA	NA
AC67271-011	NA	NA	NA	NA	NA
AC67271-012	40ML	G	VO	HCL	1
AC67271-012	1L	P	METALS	HNO3	1
AC67271-012	NA	NA	NA	NA	NA
AC67271-013	NA	NA	NA	NA	NA
AC67271-013	NA	NA	NA	NA	NA
AC67271-013	NA	NA	NA	NA	NA

Internal Chain of Custody

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis
AC67271-001	07/25/12 12:20	RICAR	0	M	Received
AC67271-001	07/25/12 13:03	RICAR	0	M	Login
AC67271-001	07/26/12 08:05	R31	1	A	NONE
AC67271-001	07/26/12 08:05	R31	2	A	NONE
AC67271-001	07/26/12 08:05	R31	3	A	NONE
AC67271-001	07/31/12 13:15	WP	3	A	VOA
AC67271-001	08/01/12 08:15	R31	3	A	NONE
AC67271-001	08/01/12 08:38	WP	3	A	VOA
AC67271-001	07/25/12 13:34	R12	4	A	NONE
AC67271-001	07/30/12 09:39	PEST/	4	A	lynda
AC67271-001	07/30/12 17:01	R2	4	A	NONE
AC67271-001	07/25/12 13:34	R12	5	A	NONE
AC67271-001	07/30/12 09:39	PEST/	5	A	lynda
AC67271-001	07/25/12 13:34	R12	6	A	NONE
AC67271-001	07/27/12 08:30	MLC	6	A	bna
AC67271-001	07/25/12 13:34	R12	7	A	NONE
AC67271-001	07/25/12 13:34	R12	8	A	NONE
AC67271-001	07/31/12 11:36	PH	8	A	TDWI-HG
AC67271-001	07/31/12 13:01	R12	8	A	NONE
AC67271-002	07/25/12 12:20	RICAR	0	M	Received
AC67271-002	07/25/12 13:03	RICAR	0	M	Login
AC67271-002	07/25/12 13:34	R12	1	A	NONE
AC67271-002	07/31/12 11:36	PH	1	A	TDWI-HG
AC67271-002	07/31/12 13:01	R12	1	A	NONE
AC67271-003	07/25/12 12:20	RICAR	0	M	Received
AC67271-003	07/25/12 13:03	RICAR	0	M	Login
AC67271-003	07/26/12 08:05	R31	1	A	NONE
AC67271-003	07/26/12 08:05	R31	2	A	NONE
AC67271-003	07/26/12 08:05	R31	3	A	NONE
AC67271-003	07/31/12 13:15	WP	3	A	VOA
AC67271-003	08/01/12 08:15	R31	3	A	NONE
AC67271-003	08/01/12 08:38	WP	3	A	VOA
AC67271-003	07/25/12 13:34	R12	4	A	NONE
AC67271-003	07/25/12 13:34	R12	5	A	NONE
AC67271-003	07/30/12 09:39	PEST/	5	A	lynda
AC67271-003	07/25/12 13:34	R12	6	A	NONE
AC67271-003	07/25/12 13:34	R12	7	A	NONE
AC67271-003	07/27/12 08:30	MLC	7	A	bna
AC67271-003	07/25/12 13:34	R12	8	A	NONE
AC67271-003	07/31/12 11:36	PH	8	A	TDWI-HG
AC67271-003	07/31/12 13:01	R12	8	A	NONE
AC67271-004	07/25/12 12:20	RICAR	0	M	Received
AC67271-004	07/25/12 13:03	RICAR	0	M	Login
AC67271-004	07/25/12 13:34	R12	1	A	NONE
AC67271-004	07/31/12 11:36	PH	1	A	TDWI-HG
AC67271-004	07/31/12 13:01	R12	1	A	NONE
AC67271-005	07/25/12 12:20	RICAR	0	M	Received
AC67271-005	07/25/12 13:03	RICAR	0	M	Login
AC67271-005	07/26/12 08:05	R31	1	A	NONE
AC67271-005	07/26/12 08:05	R31	2	A	NONE
AC67271-005	07/26/12 08:05	R31	3	A	NONE
AC67271-005	07/31/12 13:15	WP	3	A	VOA
AC67271-005	08/01/12 08:15	R31	3	A	NONE
AC67271-005	08/01/12 08:38	WP	3	A	VOA
AC67271-005	07/25/12 13:34	R12	4	A	NONE
AC67271-005	07/30/12 09:39	PEST/	4	A	lynda
AC67271-005	07/25/12 13:34	R12	5	A	NONE
AC67271-005	07/25/12 13:34	R12	6	A	NONE
AC67271-005	07/27/12 08:30	MLC	6	A	bna
AC67271-005	07/25/12 13:34	R12	7	A	NONE
AC67271-005	07/30/12 15:57	MLC	7	A	bn
AC67271-005	07/25/12 13:34	R12	8	A	NONE
AC67271-005	07/31/12 11:36	PH	8	A	TDWI-HG
AC67271-005	07/31/12 13:01	R12	8	A	NONE
AC67271-006	07/25/12 12:20	RICAR	0	M	Received
AC67271-006	07/25/12 13:03	RICAR	0	M	Login
AC67271-006	07/25/12 13:34	R12	1	A	NONE
AC67271-006	07/31/12 11:36	PH	1	A	TDWI-HG
AC67271-006	07/31/12 13:01	R12	1	A	NONE
AC67271-007	07/25/12 12:20	RICAR	0	M	Received
AC67271-007	07/25/12 13:03	RICAR	0	M	Login
AC67271-007	07/26/12 08:05	R31	1	A	NONE
AC67271-007	07/26/12 08:05	R31	2	A	NONE
AC67271-007	07/26/12 08:05	R31	3	A	NONE
AC67271-007	07/31/12 13:15	WP	3	A	VOA
AC67271-007	08/01/12 08:15	R31	3	A	NONE
AC67271-007	08/01/12 08:38	WP	3	A	VOA
AC67271-007	07/25/12 13:34	R12	4	A	NONE
AC67271-007	07/31/12 16:27	MLC	4	A	PCB
AC67271-007	07/31/12 16:29	MLC	4	A	PEST
AC67271-007	07/25/12 13:34	R12	5	A	NONE
AC67271-007	07/30/12 09:39	PEST/	5	A	lynda
AC67271-007	07/25/12 13:34	R12	6	A	NONE
AC67271-007	07/27/12 08:30	MLC	6	A	bna
AC67271-007	07/25/12 13:34	R12	7	A	NONE
AC67271-007	07/30/12 15:57	MLC	7	A	bn
AC67271-007	07/25/12 13:34	R12	8	A	NONE
AC67271-007	07/31/12 11:36	PH	8	A	TDWI-HG
AC67271-007	07/31/12 13:01	R12	8	A	NONE
AC67271-008	07/25/12 12:20	RICAR	0	M	Received
AC67271-008	07/25/12 13:03	RICAR	0	M	Login
AC67271-008	07/25/12 13:34	R12	1	A	NONE
AC67271-008	07/31/12 11:36	PH	1	A	TDWI-HG
AC67271-008	07/31/12 13:01	R12	1	A	NONE
AC67271-009	07/25/12 12:20	RICAR	0	M	Received
AC67271-009	07/25/12 13:03	RICAR	0	M	Login
AC67271-009	07/26/12 08:05	R31	1	A	NONE
AC67271-009	07/26/12 08:05	R31	2	A	NONE
AC67271-009	07/26/12 08:05	R31	3	A	NONE
AC67271-009	07/31/12 13:15	WP	3	A	VOA
AC67271-009	08/01/12 08:15	R31	3	A	NONE
AC67271-009	08/01/12 08:38	WP	3	A	VOA
AC67271-009	07/25/12 13:34	R12	4	A	NONE
AC67271-009	07/30/12 09:39	PEST/	4	A	lynda
AC67271-009	07/25/12 13:34	R12	5	A	NONE
AC67271-009	07/25/12 13:34	R12	6	A	NONE
AC67271-009	07/25/12 13:34	R12	7	A	NONE
AC67271-009	07/27/12 08:30	MLC	7	A	bna
AC67271-009	07/25/12 13:34	R12	8	A	NONE
AC67271-009	07/31/12 11:36	PH	8	A	TDWI-HG
AC67271-009	07/31/12 13:01	R12	8	A	NONE
AC67271-010	07/25/12 12:20	RICAR	0	M	Received
AC67271-010	07/25/12 13:03	RICAR	0	M	Login
AC67271-010	07/25/12 13:34	R12	1	A	NONE
AC67271-010	07/31/12 11:36	PH	1	A	TDWI-HG
AC67271-010	07/31/12 13:01	R12	1	A	NONE
AC67271-011	07/25/12 12:20	RICAR	0	M	Received
AC67271-011	07/25/12 13:03	RICAR	0	M	Login
AC67271-011	07/26/12 08:05	R31	1	A	NONE
AC67271-011	07/26/12 08:05	R31	2	A	NONE
AC67271-011	07/26/12 08:05	R31	3	A	NONE
AC67271-011	07/30/12 11:58	WP	3	A	VOA
AC67271-012	07/25/12 12:20	RICAR	0	M	Received
AC67271-012	07/25/12 13:03	RICAR	0	M	Login
AC67271-012	07/26/12 08:05	R31	1	A	NONE
AC67271-012	07/26/12 08:05	R31	2	A	NONE
AC67271-012	07/26/12 08:05	R31	3	A	NONE
AC67271-012	07/30/12 11:58	WP	3	A	VOA
AC67271-012	07/25/12 13:34	R12	4	A	NONE
AC67271-012	07/30/12 09:39	PEST/	4	A	lynda
AC67271-012	07/25/12 13:34	R12	5	A	NONE
AC67271-012	07/25/12 13:34	R12	6	A	NONE
AC67271-012	07/27/12 08:30	MLC	6	A	bna
AC67271-012	07/25/12 13:34	R12	7	A	NONE
AC67271-012	07/25/12 13:34	R12	8	A	NONE
AC67271-012	07/31/12 11:36	PH	8	A	TDWI-HG
AC67271-012	07/31/12 13:01	R12	8	A	NONE
AC67271-013	07/25/12 12:20	RICAR	0	M	Received
AC67271-013	07/25/12 13:03	RICAR	0	M	Login
AC67271-013	07/25/12 13:34	R12	1	A	NONE
AC67271-013	07/31/12 11:36	PH	1	A	TDWI-HG
AC67271-013	07/31/12 13:01	R12	1	A	NONE

Samples marked as received are stored in coolers or refrigerator R12, or R24 at 4 deg C until Login

Volatile Data

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC67271-001
Client Id: MW-1 U
Data File: 3M15703.D
Analysis Date: 08/01/12 10:09
Date Rec/Extracted: 07/25/12-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	**156-59-2**	**cis-1,2-Dichloroethene**	**1.0**	**7.8**
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U	124-48-1	Dibromochloromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	100-41-4	Ethylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U	136777612	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2	Methylene Chloride	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
106-46-7	1,4-Dichlorobenzene	1.0	U	104-51-8	n-Butylbenzene	1.0	U
123-91-1	1,4-Dioxane	50	U	103-65-1	n-Propylbenzene	1.0	U
78-93-3	2-Butanone	1.0	U	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	U	135-98-8	sec-Butylbenzene	1.0	U
591-78-6	2-Hexanone	1.0	U	100-42-5	Styrene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	98-06-6	t-Butylbenzene	1.0	U
67-64-1	Acetone	10	U	**127-18-4**	**Tetrachloroethene**	**1.0**	**62**
107-02-8	Acrolein	5.0	U	108-88-3	Toluene	1.0	U
107-13-1	Acrylonitrile	2.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	**79-01-6**	**Trichloroethene**	**1.0**	**63**
75-25-2	Bromoform	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
74-83-9	Bromomethane	1.0	U	75-01-4	Vinyl Chloride	1.0	U
75-15-0	Carbon Disulfide	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

Worksheet #: 235597

Total Target Concentration

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

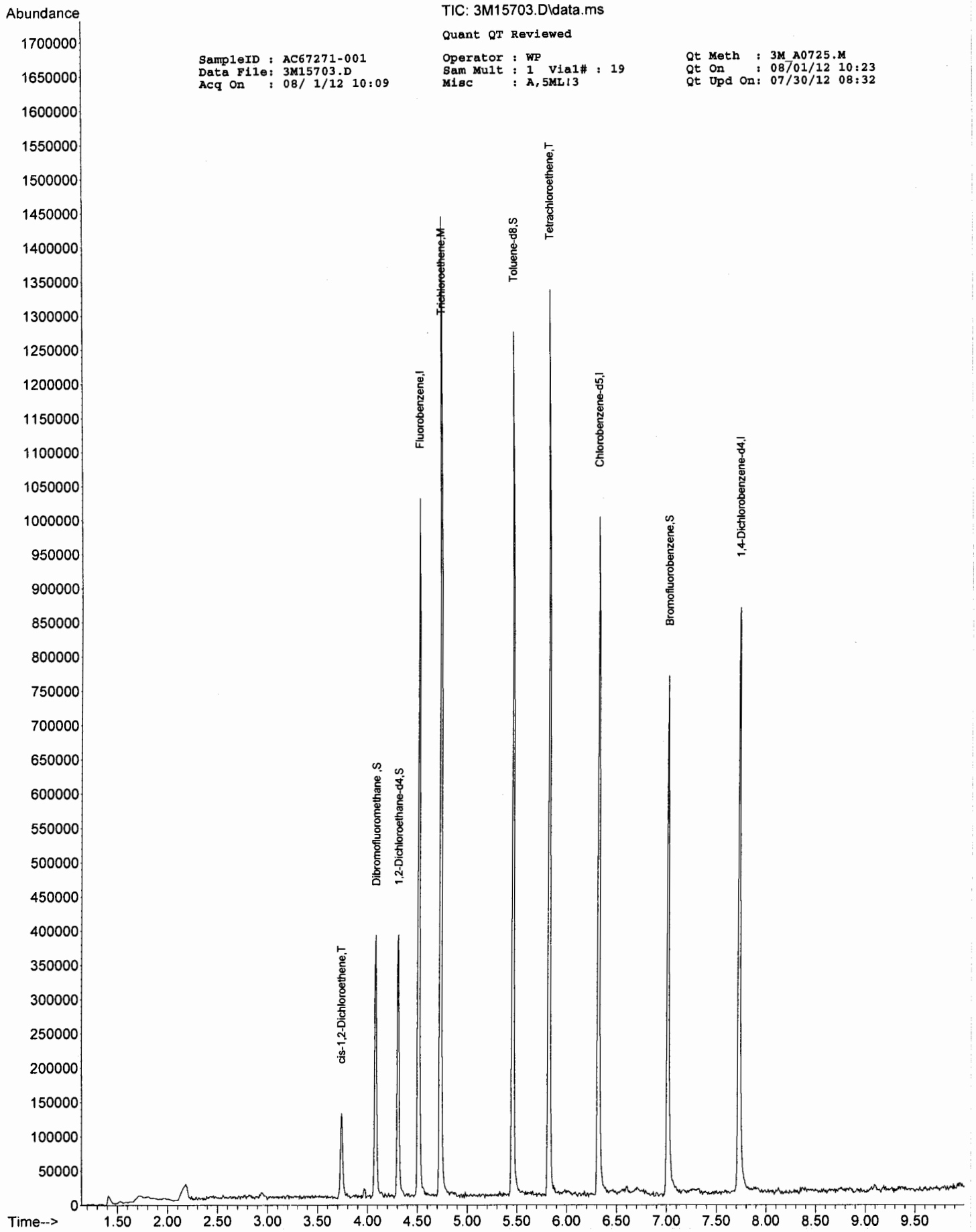
2072508 0052

SampleID : AC67271-001 Operator : WP Qt Meth : 3M_A0725.M
Data File: 3M15703.D Sam Mult : 1 Vial# : 19 Qt On : 08/01/12 10:23
Acq On : 08/ 1/12 10:09 Misc : A,5ML!3 Qt Upd On: 07/30/12 08:32

Data Path : G:\GcMsData\2012\gcms_3\Data\08-01-12\
Qt Path : G:\GCMSDATA\2012\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.512	96	578717	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.315	117	408647	30.00	ug/l	-0.01
69) 1,4-Dichlorobenzene-d4	7.727	152	214725	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.080	111	168362	28.53	ug/l	0.00
Spiked Amount 30.000			Recovery = 95.10%			
38) 1,2-Dichloroethane-d4	4.308	67	95791	28.26	ug/l	0.00
Spiked Amount 30.000			Recovery = 94.20%			
65) Toluene-d8	5.456	98	558591	29.83	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.43%			
75) Bromofluorobenzene	7.012	174	181521	28.69	ug/l	-0.01
Spiked Amount 30.000			Recovery = 95.63%			
Target Compounds						Qvalue
29) cis-1,2-Dichloroethene	3.737	61	62376	7.7528	ug/l	83
48) Trichloroethene	4.729	130	318818	63.1165	ug/l	96
64) Tetrachloroethene	5.822	164	231961	61.9260	ug/l	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 3M15703.D\data.ms
Quant QT Reviewed
SampleID : AC67271-001
Data File: 3M15703.D
Acq On : 08/ 1/12 10:09
Operator : WP
Sam Mult : 1 Vial# : 19
Misc : A,5ML!3
Qt Meth : 3M_A0725.M
Qt On : 08/01/12 10:23
Qt Upd On: 07/30/12 08:32
cis-1,2-Dichloroethene,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
Toluene-d8,S
Tetrachloroethene,T
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC67271-003
Client Id: MW-2 U
Data File: 3M15704.D
Analysis Date: 08/01/12 10:24
Date Rec/Extracted: 07/25/12-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	**156-59-2**	**cis-1,2-Dichloroethene**	**1.0**	**18**
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U	124-48-1	Dibromochloromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	100-41-4	Ethylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U	136777612	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2	Methylene Chloride	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
106-46-7	1,4-Dichlorobenzene	1.0	U	104-51-8	n-Butylbenzene	1.0	U
123-91-1	1,4-Dioxane	50	U	103-65-1	n-Propylbenzene	1.0	U
78-93-3	2-Butanone	1.0	U	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	U	135-98-8	sec-Butylbenzene	1.0	U
591-78-6	2-Hexanone	1.0	U	100-42-5	Styrene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U	**75-65-0**	**t-Butyl Alcohol**	**5.0**	**8.1**
108-10-1	4-Methyl-2-Pentanone	1.0	U	98-06-6	t-Butylbenzene	1.0	U
67-64-1	Acetone	10	U	127-18-4	Tetrachloroethene	1.0	U
107-02-8	Acrolein	5.0	U	108-88-3	Toluene	1.0	U
107-13-1	Acrylonitrile	2.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	**79-01-6**	**Trichloroethene**	**1.0**	**8.8**
75-25-2	Bromoform	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
74-83-9	Bromomethane	1.0	U	75-01-4	Vinyl Chloride	1.0	U
75-15-0	Carbon Disulfide	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

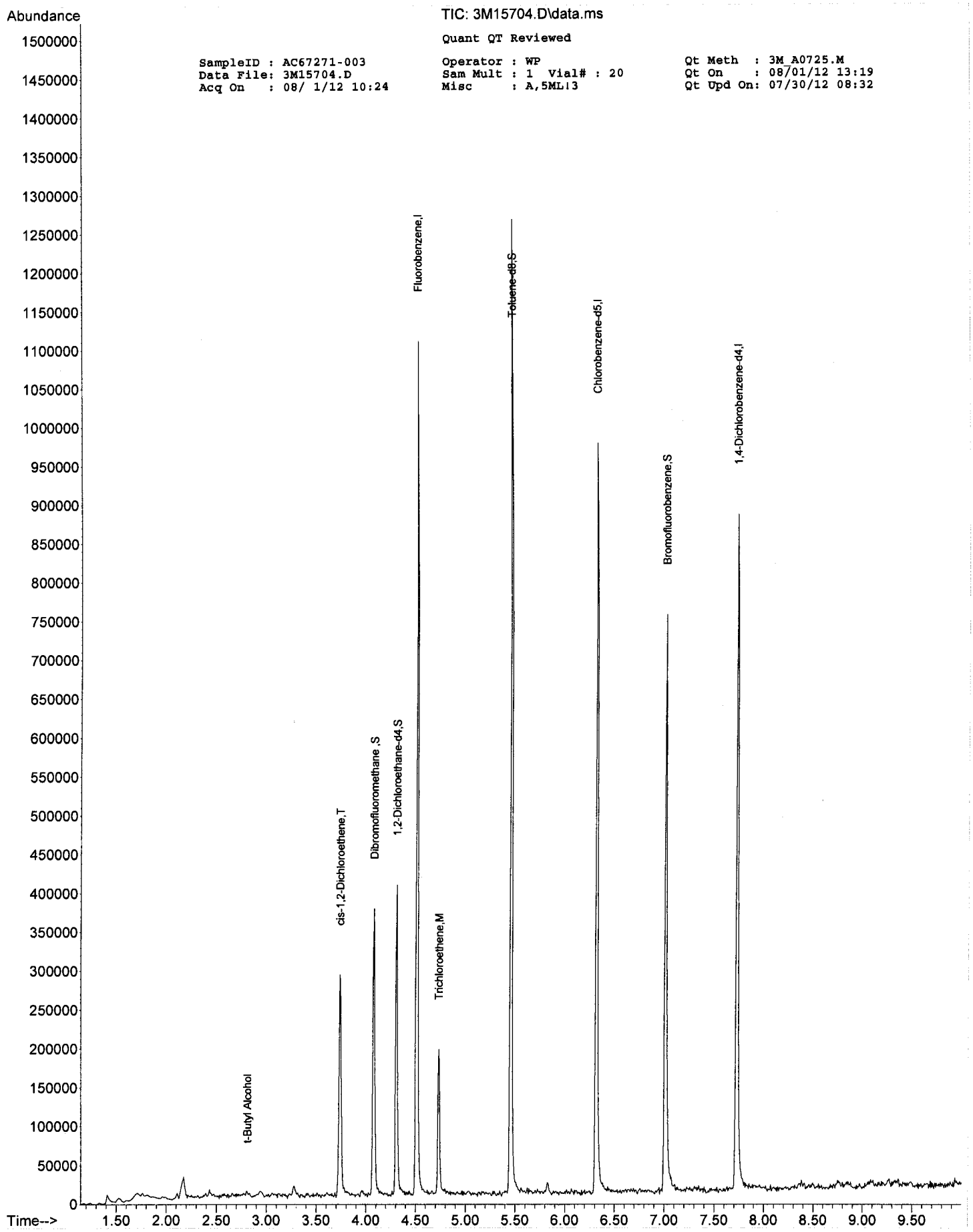
2072508 0055

SampleID : AC67271-003 Operator : WP Qt Meth : 3M_A0725.M
Data File: 3M15704.D Sam Mult : 1 Vial# : 20 Qt On : 08/01/12 13:19
Acq On : 08/ 1/12 10:24 Misc : A,5ML!3 Qt Upd On: 07/30/12 08:32

Data Path : G:\GcMsData\2012\gcms_3\Data\08-01-12\
Qt Path : G:\GCMSDATA\2012\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.512	96	576302	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.315	117	398591	30.00	ug/l	-0.01
69) 1,4-Dichlorobenzene-d4	7.727	152	214652	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.079	111	162365	27.63	ug/l	0.00
Spiked Amount 30.000			Recovery = 92.10%			
38) 1,2-Dichloroethane-d4	4.307	67	96433	28.57	ug/l	0.00
Spiked Amount 30.000			Recovery = 95.23%			
65) Toluene-d8	5.455	98	556903	30.49	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.63%			
75) Bromofluorobenzene	7.012	174	181583	28.71	ug/l	-0.01
Spiked Amount 30.000			Recovery = 95.70%			
Target Compounds						Qvalue
21) t-Butyl Alcohol	2.811	59	2435	8.1492	ug/l	95
29) cis-1,2-Dichloroethene	3.736	61	141392	17.6474	ug/l	76
48) Trichloroethene	4.734	130	44122	8.7714	ug/l	89

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 3M15704.D\data.ms
Quant QT Reviewed
SampleID : AC67271-003
Data File: 3M15704.D
Acq On : 08/ 1/12 10:24
Operator : WP
Sam Mult : 1 Vial# : 20
Misc : A,5ML13
Qt Meth : 3M_A0725.M
Qt On : 08/01/12 13:19
Qt Upd On: 07/30/12 08:32
t-Butyl Alcohol
cis-1,2-Dichloroethene,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC67271-005
Client Id: MW-3 U
Data File: 3M15705.D
Analysis Date: 08/01/12 10:40
Date Rec/Extracted: 07/25/12-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	**75-00-3**	**Chloroethane**	**1.0**	**12**
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U	124-48-1	Dibromochloromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	100-41-4	Ethylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U	136777612	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2	Methylene Chloride	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
106-46-7	1,4-Dichlorobenzene	1.0	U	104-51-8	n-Butylbenzene	1.0	U
123-91-1	1,4-Dioxane	50	U	103-65-1	n-Propylbenzene	1.0	U
78-93-3	2-Butanone	1.0	U	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	U	135-98-8	sec-Butylbenzene	1.0	U
591-78-6	2-Hexanone	1.0	U	100-42-5	Styrene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	98-06-6	t-Butylbenzene	1.0	U
67-64-1	Acetone	10	U	**127-18-4**	**Tetrachloroethene**	**1.0**	**8.4**
107-02-8	Acrolein	5.0	U	108-88-3	Toluene	1.0	U
107-13-1	Acrylonitrile	2.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	**79-01-6**	**Trichloroethene**	**1.0**	**49**
75-25-2	Bromoform	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
74-83-9	Bromomethane	1.0	U	75-01-4	Vinyl Chloride	1.0	U
75-15-0	Carbon Disulfide	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

2072508 0058

SampleID : AC67271-005 Operator : WP Qt Meth : 3M_A0725.M
Data File: 3M15705.D Sam Mult : 1 Vial# : 21 Qt On : 08/01/12 11:00
Acq On : 08/ 1/12 10:40 Misc : A,5ML!3 Qt Upd On: 07/30/12 08:32

Data Path : G:\GcMsData\2012\gcms_3\Data\08-01-12\
Qt Path : G:\GCMSDATA\2012\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.511	96	569526	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.314	117	406188	30.00	ug/l	-0.01
69) 1,4-Dichlorobenzene-d4	7.727	152	203740	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.079	111	168992	29.10	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.00%			
38) 1,2-Dichloroethane-d4	4.307	67	98143	29.42	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.07%			
65) Toluene-d8	5.455	98	552779	29.70	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.00%			
75) Bromofluorobenzene	7.011	174	181186	30.18	ug/l	-0.01
Spiked Amount 30.000			Recovery = 100.60%			
Target Compounds						Qvalue
10) Chloroethane	1.730	64	42017	11.5983	ug/l	70
48) Trichloroethene	4.734	130	241651	48.6117	ug/l	94
64) Tetrachloroethene	5.822	164	31193	8.3779	ug/l	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

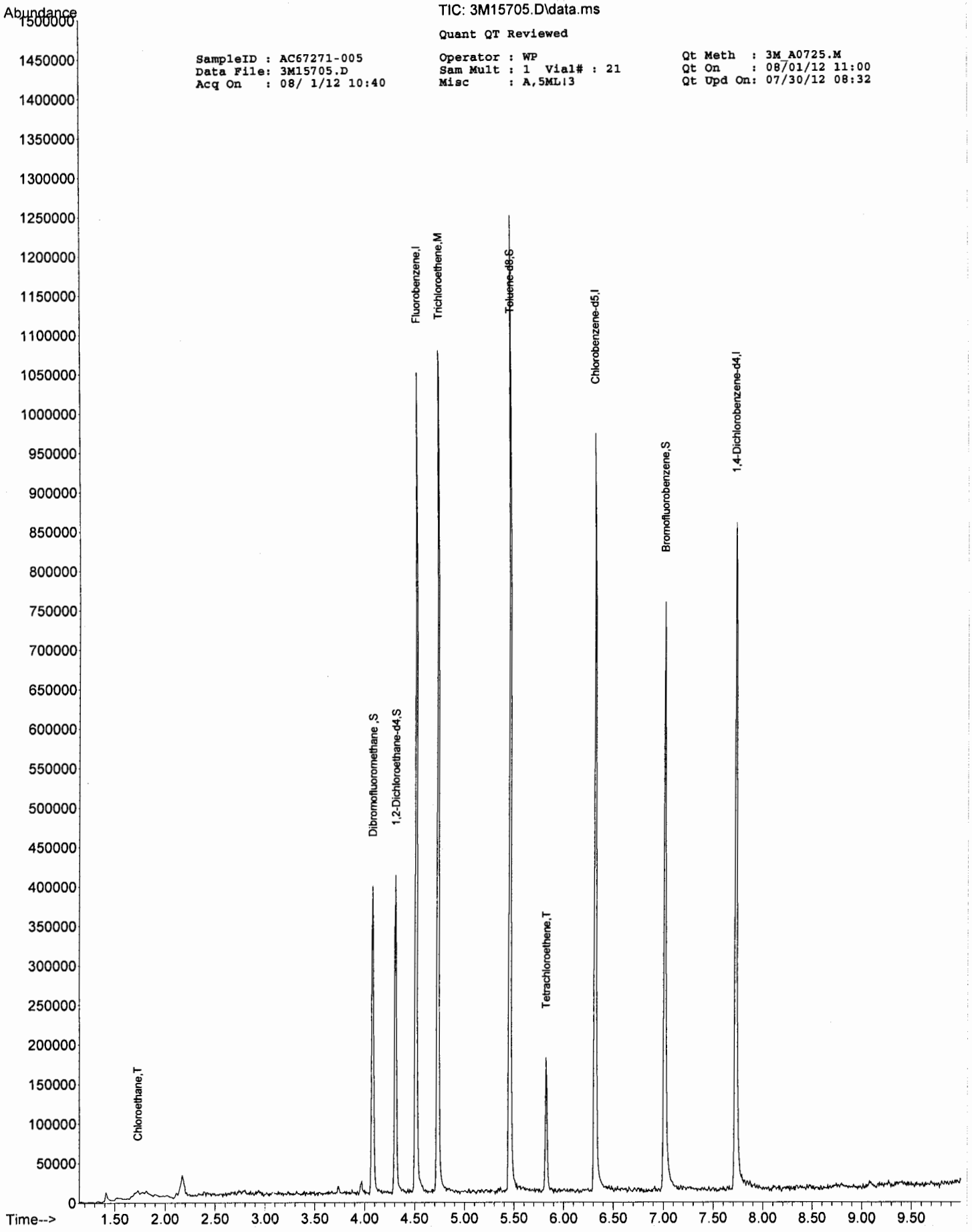
TIC: 3M15705.D\data.ms

Quant QT Reviewed

SampleID : AC67271-005
Data File: 3M15705.D
Acq On : 08/ 1/12 10:40

Operator : WP
Sam Mult : 1 Vial# : 21
Misc : A,5ML;3

Qt Meth : 3M_A0725.M
Qt On : 08/01/12 11:00
Qt Upd On: 07/30/12 08:32



Form1

ORGANICS VOLATILE REPORT

Sample Number: AC67271-007
Client Id: MW-3 DUPLICATE U
Data File: 3M15706.D
Analysis Date: 08/01/12 10:56
Date Rec/Extracted: 07/25/12-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U	124-48-1	Dibromochloromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	100-41-4	Ethylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U	136777612	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2	Methylene Chloride	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
106-46-7	1,4-Dichlorobenzene	1.0	U	104-51-8	n-Butylbenzene	1.0	U
123-91-1	1,4-Dioxane	50	U	103-65-1	n-Propylbenzene	1.0	U
78-93-3	2-Butanone	1.0	U	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	U	135-98-8	sec-Butylbenzene	1.0	U
591-78-6	2-Hexanone	1.0	U	100-42-5	Styrene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	98-06-6	t-Butylbenzene	1.0	U
67-64-1	Acetone	10	U	**127-18-4**	**Tetrachloroethene**	**1.0**	**8.1**
107-02-8	Acrolein	5.0	U	108-88-3	Toluene	1.0	U
107-13-1	Acrylonitrile	2.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	**79-01-6**	**Trichloroethene**	**1.0**	**48**
75-25-2	Bromoform	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
74-83-9	Bromomethane	1.0	U	75-01-4	Vinyl Chloride	1.0	U
75-15-0	Carbon Disulfide	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

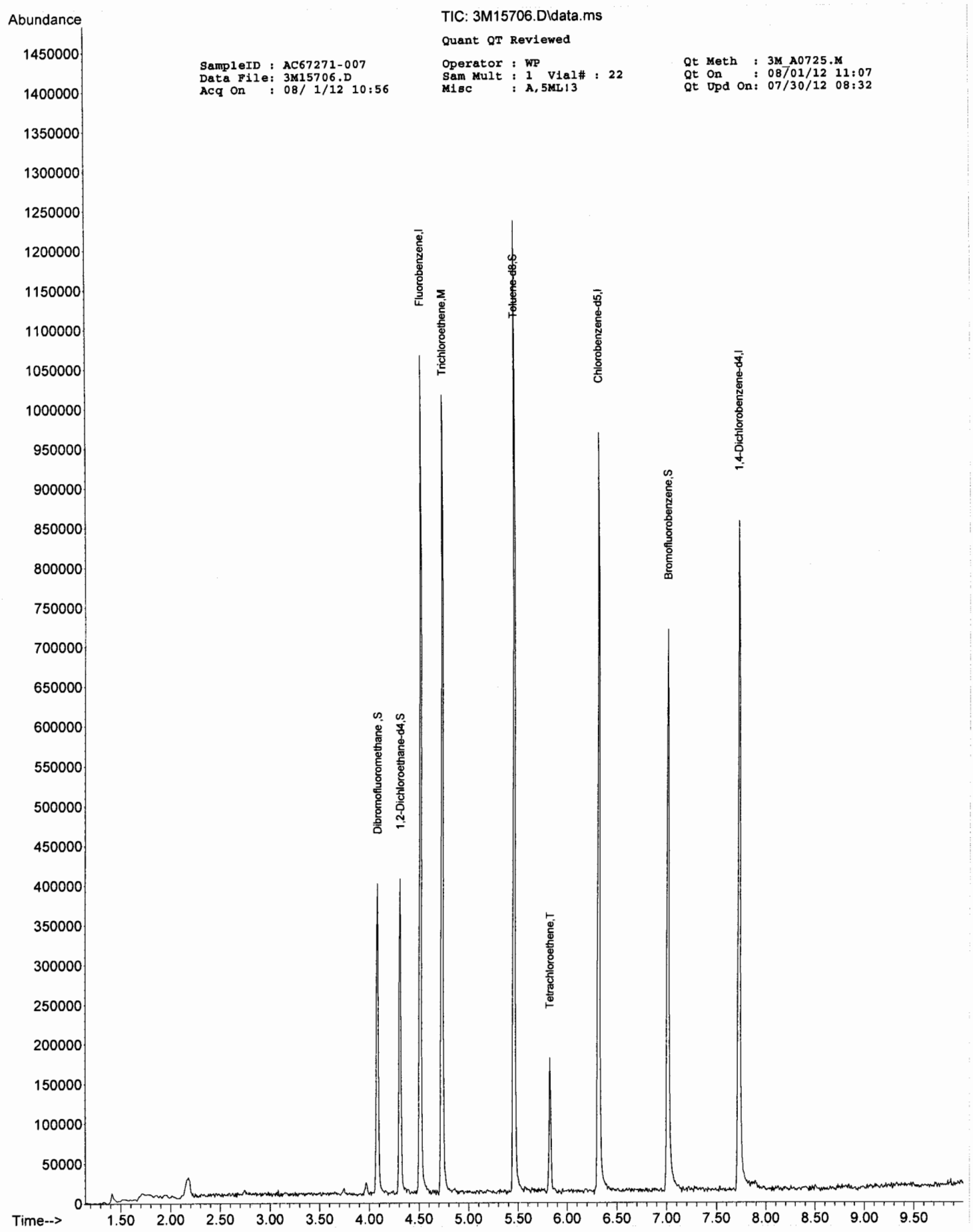
2072508 0061

SampleID : AC67271-007 Operator : WP Qt Meth : 3M_A0725.M
Data File: 3M15706.D Sam Mult : 1 Vial# : 22 Qt On : 08/01/12 11:07
Acq On : 08/ 1/12 10:56 Misc : A,5ML!3 Qt Upd On: 07/30/12 08:32

Data Path : G:\GcMsData\2012\gcms_3\Data\08-01-12\
Qt Path : G:\GCMSDATA\2012\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.511	96	557862	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.314	117	405238	30.00	ug/l	-0.01
69) 1,4-Dichlorobenzene-d4	7.726	152	212632	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.079	111	169323	29.76	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.20%			
38) 1,2-Dichloroethane-d4	4.307	67	98328	30.10	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.33%			
65) Toluene-d8	5.455	98	538357	28.99	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.63%			
75) Bromofluorobenzene	7.011	174	175832	28.06	ug/l	-0.01
Spiked Amount 30.000			Recovery = 93.53%			
Target Compounds						Qvalue
48) Trichloroethene	4.734	130	232450	47.7385	ug/l	96
64) Tetrachloroethene	5.821	164	29986	8.0726	ug/l	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 3M15706.D\data.ms
Quant QT Reviewed
SampleID : AC67271-007
Data File: 3M15706.D
Acq On : 08/ 1/12 10:56
Operator : WP
Sam Mult : 1 Vial# : 22
Misc : A,5ML;3
Qt Meth : 3M_A0725.M
Qt On : 08/01/12 11:07
Qt Upd On: 07/30/12 08:32
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
Toluene-d8,S
Tetrachloroethene,T
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC67271-009
Client Id: MW-4 U
Data File: 3M15707.D
Analysis Date: 08/01/12 11:11
Date Rec/Extracted: 07/25/12-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U	124-48-1	Dibromochloromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	100-41-4	Ethylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U	136777612	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2	Methylene Chloride	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
106-46-7	1,4-Dichlorobenzene	1.0	U	104-51-8	n-Butylbenzene	1.0	U
123-91-1	1,4-Dioxane	50	U	103-65-1	n-Propylbenzene	1.0	U
78-93-3	2-Butanone	1.0	U	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	U	135-98-8	sec-Butylbenzene	1.0	U
591-78-6	2-Hexanone	1.0	U	100-42-5	Styrene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	98-06-6	t-Butylbenzene	1.0	U
67-64-1	Acetone	10	U	127-18-4	Tetrachloroethene	1.0	U
107-02-8	Acrolein	5.0	U	108-88-3	Toluene	1.0	U
107-13-1	Acrylonitrile	2.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	**79-01-6**	**Trichloroethene**	**1.0**	**2.1**
75-25-2	Bromoform	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
74-83-9	Bromomethane	1.0	U	75-01-4	Vinyl Chloride	1.0	U
75-15-0	Carbon Disulfide	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

Worksheet #: 235597

Total Target Concentration 2.1

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

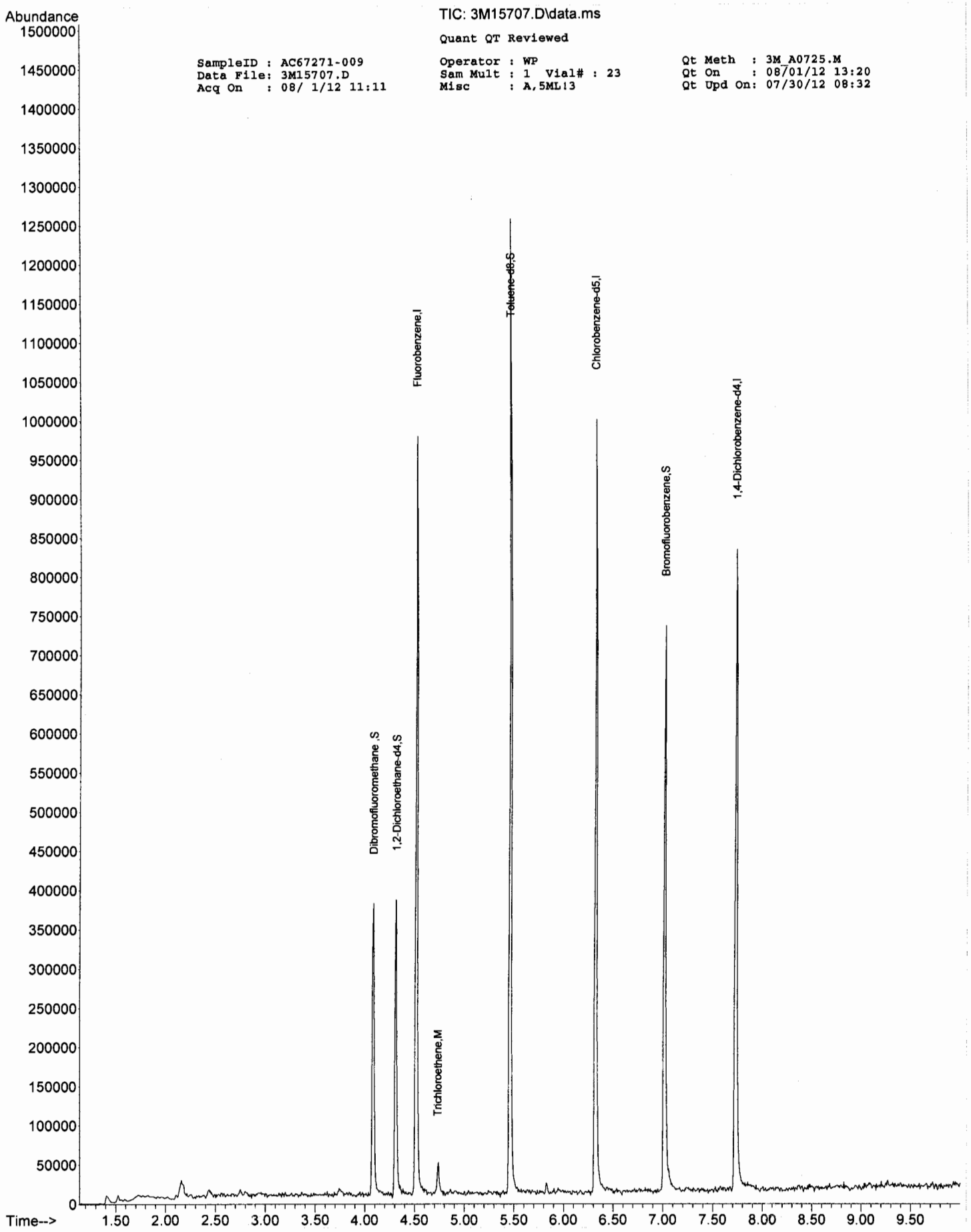
2072508 0064

SampleID : AC67271-009 Operator : WP Qt Meth : 3M_A0725.M
Data File: 3M15707.D Sam Mult : 1 Vial# : 23 Qt On : 08/01/12 13:20
Acq On : 08/ 1/12 11:11 Misc : A,5ML!3 Qt Upd On: 07/30/12 08:32

Data Path : G:\GcMsData\2012\gcms_3\Data\08-01-12\
Qt Path : G:\GCMSDATA\2012\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.517	96	552506	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.320	117	402104	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.732	152	206193	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.084	111	165226	29.33	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.77%			
38) 1,2-Dichloroethane-d4	4.313	67	95593	29.54	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.47%			
65) Toluene-d8	5.460	98	548161	29.75	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.17%			
75) Bromofluorobenzene	7.017	174	173588	28.57	ug/l	0.00
Spiked Amount 30.000			Recovery = 95.23%			
Target Compounds						Qvalue
48) Trichloroethene	4.733	130	9964	2.0662	ug/l	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed


TIC: 3M15707.D\data.ms
Quant QT Reviewed
SampleID : AC67271-009
Data File: 3M15707.D
Acq On : 08/ 1/12 11:11
Operator : WP
Sam Mult : 1 Vial# : 23
Misc : A,5ML!3
Qt Meth : 3M_A0725.M
Qt On : 08/01/12 13:20
Qt Upd On: 07/30/12 08:32
Abundance
Time-->
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC67271-011
Client Id: TRIP BLANK
Data File: 1M88177.D
Analysis Date: 07/30/12 17:35
Date Rec/Extracted: 07/25/12-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U	124-48-1	Dibromochloromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	100-41-4	Ethylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U	136777612	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2	Methylene Chloride	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
106-46-7	1,4-Dichlorobenzene	1.0	U	104-51-8	n-Butylbenzene	1.0	U
123-91-1	1,4-Dioxane	50	U	103-65-1	n-Propylbenzene	1.0	U
78-93-3	2-Butanone	1.0	U	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	U	135-98-8	sec-Butylbenzene	1.0	U
591-78-6	2-Hexanone	1.0	U	100-42-5	Styrene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	98-06-6	t-Butylbenzene	1.0	U
67-64-1	Acetone	10	U	127-18-4	Tetrachloroethene	1.0	U
107-02-8	Acrolein	5.0	U	108-88-3	Toluene	1.0	U
107-13-1	Acrylonitrile	2.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	79-01-6	Trichloroethene	1.0	U
75-25-2	Bromoform	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
74-83-9	Bromomethane	1.0	U	75-01-4	Vinyl Chloride	1.0	U
75-15-0	Carbon Disulfide	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

Worksheet #: 235597

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

2072508 0067

SampleID : AC67271-011 Operator : WP Qt Meth : 1M_A0710.M
Data File: 1M88177.D Sam Mult : 1 Vial# : 25 Qt On : 07/31/12 07:37
Acq On : 07/30/12 17:35 Misc : A,5ML!3 Qt Upd On: 07/14/12 13:54

Data Path : G:\GcMsData\2012\gcms_1\Data\07-30-12\
Qt Path : G:\GcMsData\2012\gcms_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.512	96	295443	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.332	117	230338	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.748	152	130655	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.059	111	90899	32.37	ug/l	0.00
Spiked Amount 30.000			Recovery = 107.90%			
38) 1,2-Dichloroethane-d4	4.295	67	51122	30.12	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.40%			
65) Toluene-d8	5.476	98	320326	31.50	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.00%			
75) Bromofluorobenzene	7.030	174	104345	30.83	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.77%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

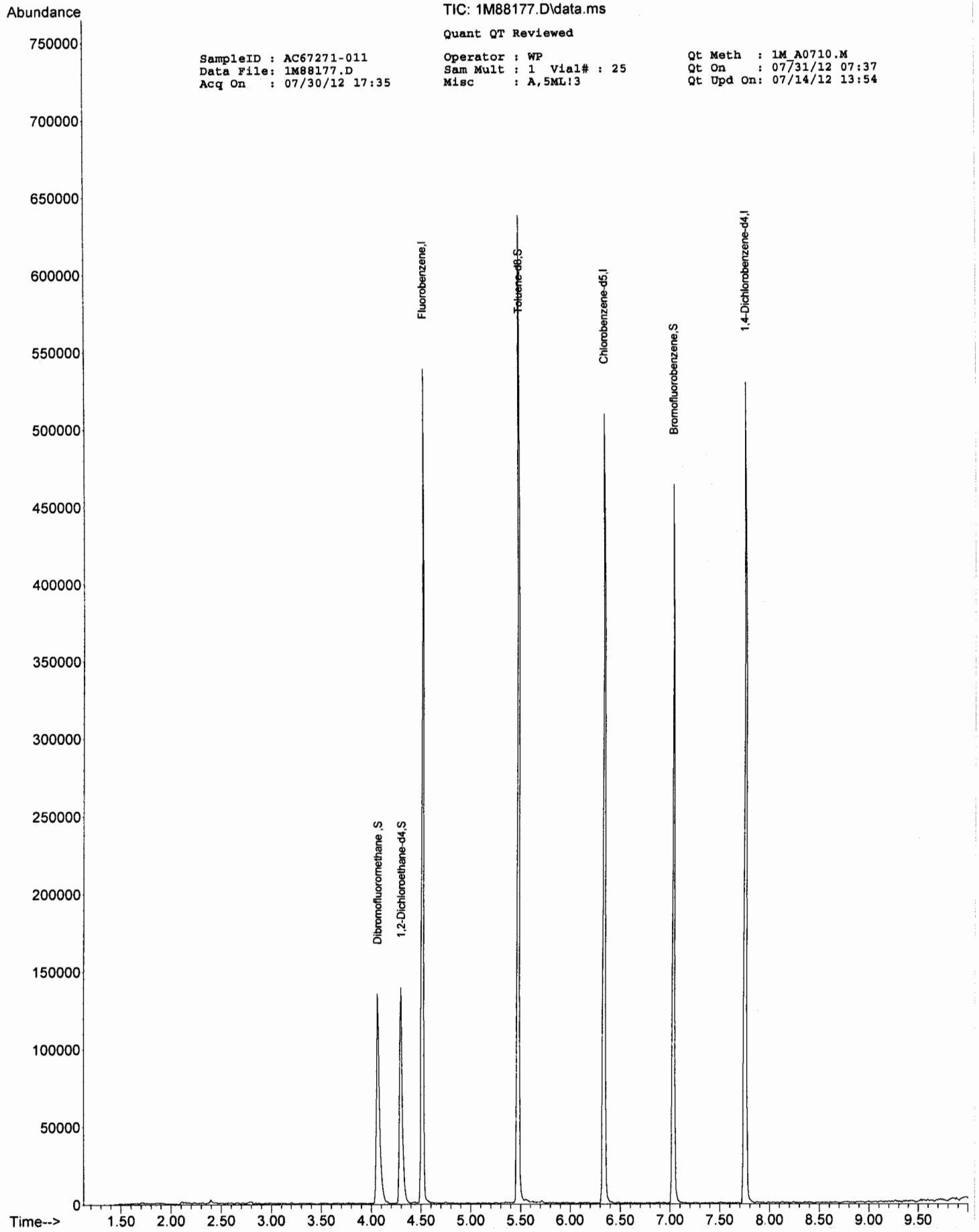
TIC: 1M88177.D\data.ms

Quant QT Reviewed

SampleID : AC67271-011
Data File: 1M88177.D
Acq On : 07/30/12 17:35

Operator : WP
Sam Mult : 1 Vial# : 25
Misc : A,5ML!3

Qt Meth : 1M_A0710.M
Qt On : 07/31/12 07:37
Qt Upd On: 07/14/12 13:54



Form1

ORGANICS VOLATILE REPORT

Sample Number: AC67271-012
Client Id: FIELD BLANK U
Data File: 1M88178.D
Analysis Date: 07/30/12 17:53
Date Rec/Extracted: 07/25/12-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U	124-48-1	Dibromochloromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	100-41-4	Ethylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U	136777612	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2	Methylene Chloride	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
106-46-7	1,4-Dichlorobenzene	1.0	U	104-51-8	n-Butylbenzene	1.0	U
123-91-1	1,4-Dioxane	50	U	103-65-1	n-Propylbenzene	1.0	U
78-93-3	2-Butanone	1.0	U	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	U	135-98-8	sec-Butylbenzene	1.0	U
591-78-6	2-Hexanone	1.0	U	100-42-5	Styrene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	98-06-6	t-Butylbenzene	1.0	U
67-64-1	Acetone	10	U	127-18-4	Tetrachloroethene	1.0	U
107-02-8	Acrolein	5.0	U	108-88-3	Toluene	1.0	U
107-13-1	Acrylonitrile	2.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	79-01-6	Trichloroethene	1.0	U
75-25-2	Bromoform	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
74-83-9	Bromomethane	1.0	U	75-01-4	Vinyl Chloride	1.0	U
75-15-0	Carbon Disulfide	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

Worksheet #: 235597

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

2072508 0070

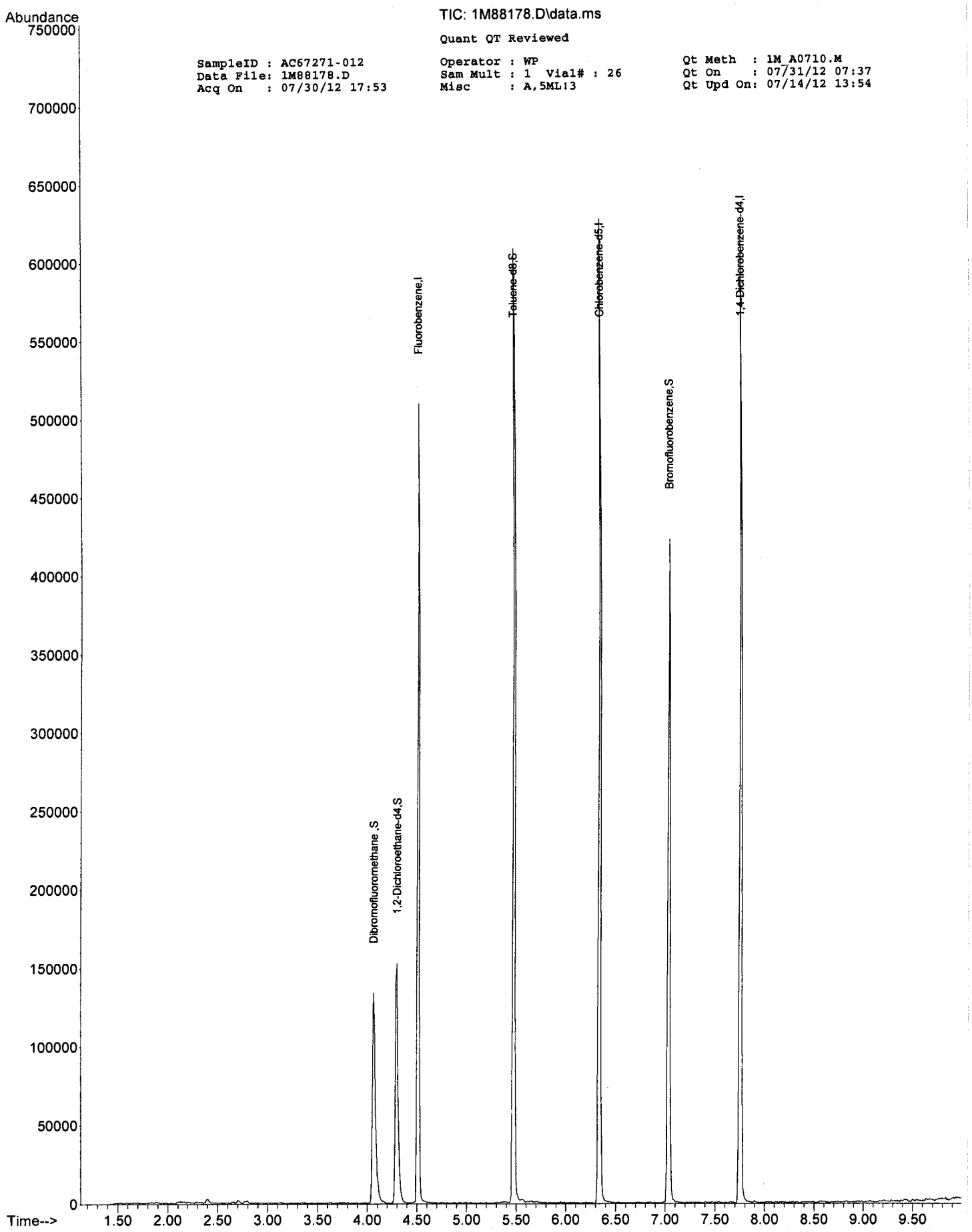
SampleID : AC67271-012 Operator : WP Qt Meth : 1M_A0710.M
Data File: 1M88178.D Sam Mult : 1 Vial# : 26 Qt On : 07/31/12 07:37
Acq On : 07/30/12 17:53 Misc : A,5ML!3 Qt Upd On: 07/14/12 13:54

Data Path : G:\GcMsData\2012\gcms_1\Data\07-30-12\
Qt Path : G:\GcMsData\2012\gcms_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.513	96	304710	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.333	117	255715	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.750	152	138631	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.060	111	91438	31.57	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.23%			
38) 1,2-Dichloroethane-d4	4.296	67	55361	31.62	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.40%			
65) Toluene-d8	5.467	98	316794	28.06	ug/l	0.00
Spiked Amount 30.000			Recovery = 93.53%			
75) Bromofluorobenzene	7.031	174	106459	29.65	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.83%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


TIC: 1M88178.D\data.ms
Quant QT Reviewed
SampleID : AC67271-012
Data File: 1M88178.D
Acq On : 07/30/12 17:53
Operator : WP
Sam Mult : 1 Vial# : 26
Misc : A,5ML;3
Qt Meth : 1M_A0710.M
Qt On : 07/31/12 07:37
Qt Upd On: 07/14/12 13:54
Abundance
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 1M88150.D
Analysis Date: 07/30/12 09:38
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U	124-48-1	Dibromochloromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	100-41-4	Ethylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U	136777612	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2	Methylene Chloride	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
106-46-7	1,4-Dichlorobenzene	1.0	U	104-51-8	n-Butylbenzene	1.0	U
123-91-1	1,4-Dioxane	50	U	103-65-1	n-Propylbenzene	1.0	U
78-93-3	2-Butanone	1.0	U	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	U	135-98-8	sec-Butylbenzene	1.0	U
591-78-6	2-Hexanone	1.0	U	100-42-5	Styrene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	98-06-6	t-Butylbenzene	1.0	U
67-64-1	Acetone	10	U	127-18-4	Tetrachloroethene	1.0	U
107-02-8	Acrolein	5.0	U	108-88-3	Toluene	1.0	U
107-13-1	Acrylonitrile	2.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	79-01-6	Trichloroethene	1.0	U
75-25-2	Bromoform	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
74-83-9	Bromomethane	1.0	U	75-01-4	Vinyl Chloride	1.0	U
75-15-0	Carbon Disulfide	1.0	U				

Worksheet #: 235597 ***Total Target Concentration*** 0 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

2072508 0073

SampleID : DAILY BLANK
Data File: 1M88150.D
Acq On : 07/30/12 09:38

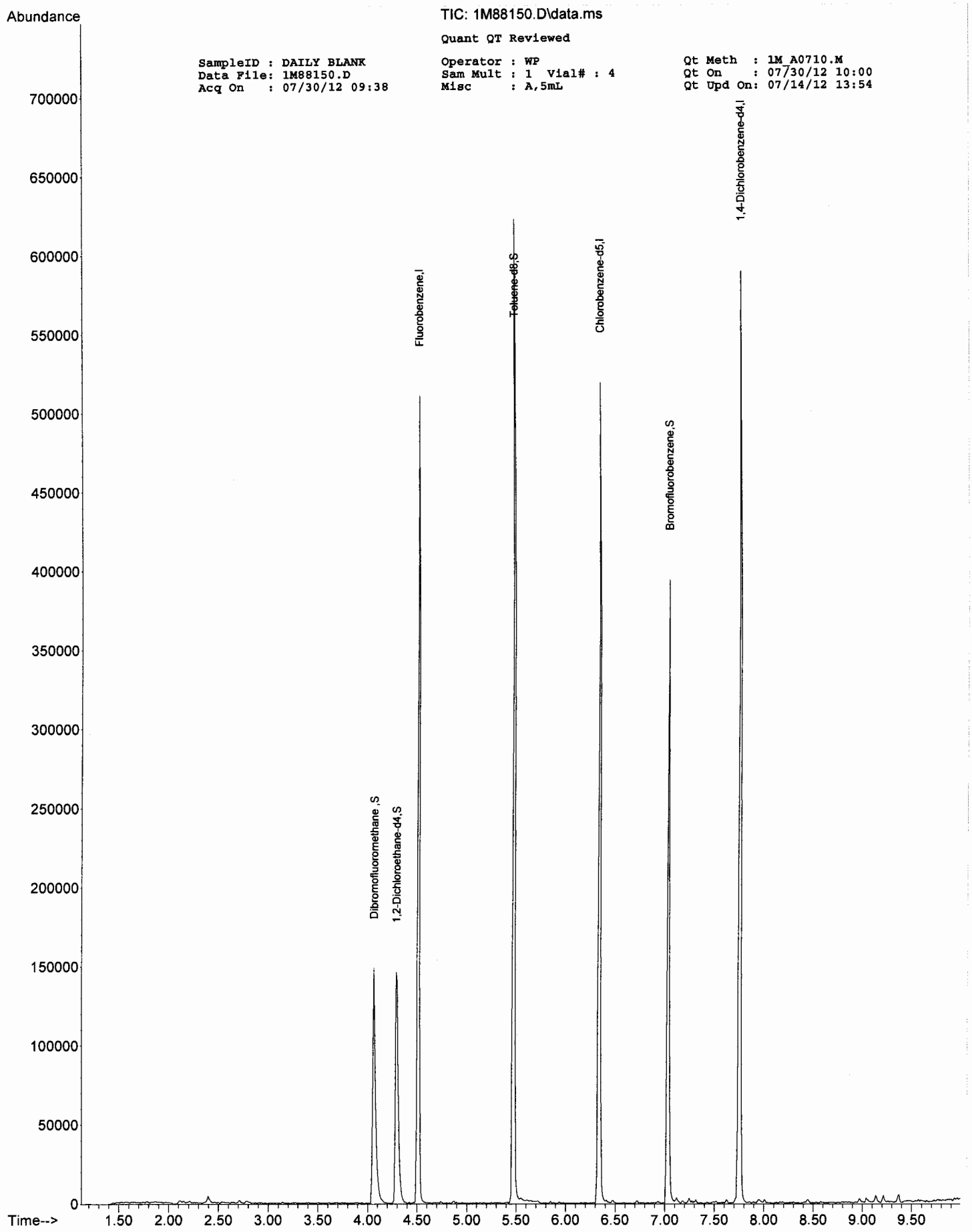
Operator : WP
Sam Mult : 1 Vial# : 4
Misc : A,5mL

Qt Meth : 1M_A0710.M
Qt On : 07/30/12 10:00
Qt Upd On: 07/14/12 13:54

Data Path : G:\GcMsData\2012\gcms_1\Data\07-30-12\
Qt Path : G:\GcMsData\2012\gcms_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.513	96	300878	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.333	117	225654	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.749	152	141939	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.060	111	90761	31.73	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.77%			
38) 1,2-Dichloroethane-d4	4.286	67	54902	31.76	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.87%			
65) Toluene-d8	5.467	98	315829	31.71	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.70%			
75) Bromofluorobenzene	7.031	174	91997	25.02	ug/l	0.00
Spiked Amount 30.000			Recovery = 83.40%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 1M88150.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 1M88150.D
Acq On : 07/30/12 09:38
Operator : WP
Sam Mult : 1 Vial# : 4
Misc : A,5mL
Qt Meth : 1M_A0710.M
Qt On : 07/30/12 10:00
Qt Upd On: 07/14/12 13:54
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
700000
650000
600000
550000
500000
450000
400000
350000
300000
250000
200000
150000
100000
50000
0
Time-->
1.50
2.00
2.50
3.00
3.50
4.00
4.50
5.00
5.50
6.00
6.50
7.00
7.50
8.00
8.50
9.00
9.50

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 3M15696.D
Analysis Date: 08/01/12 08:15
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U	124-48-1	Dibromochloromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	100-41-4	Ethylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U	136777612	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2	Methylene Chloride	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
106-46-7	1,4-Dichlorobenzene	1.0	U	104-51-8	n-Butylbenzene	1.0	U
123-91-1	1,4-Dioxane	50	U	103-65-1	n-Propylbenzene	1.0	U
78-93-3	2-Butanone	1.0	U	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	U	135-98-8	sec-Butylbenzene	1.0	U
591-78-6	2-Hexanone	1.0	U	100-42-5	Styrene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	98-06-6	t-Butylbenzene	1.0	U
67-64-1	Acetone	10	U	127-18-4	Tetrachloroethene	1.0	U
107-02-8	Acrolein	5.0	U	108-88-3	Toluene	1.0	U
107-13-1	Acrylonitrile	2.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	79-01-6	Trichloroethene	1.0	U
75-25-2	Bromoform	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
74-83-9	Bromomethane	1.0	U	75-01-4	Vinyl Chloride	1.0	U
75-15-0	Carbon Disulfide	1.0	U				

Worksheet #: 235597 ***Total Target Concentration*** 0 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

2072508 0076

SampleID : DAILY BLANK
Data File: 3M15696.D
Acq On : 08/ 1/12 08:15

Operator : WP
Sam Mult : 1 Vial# : 14
Misc : A,5ML

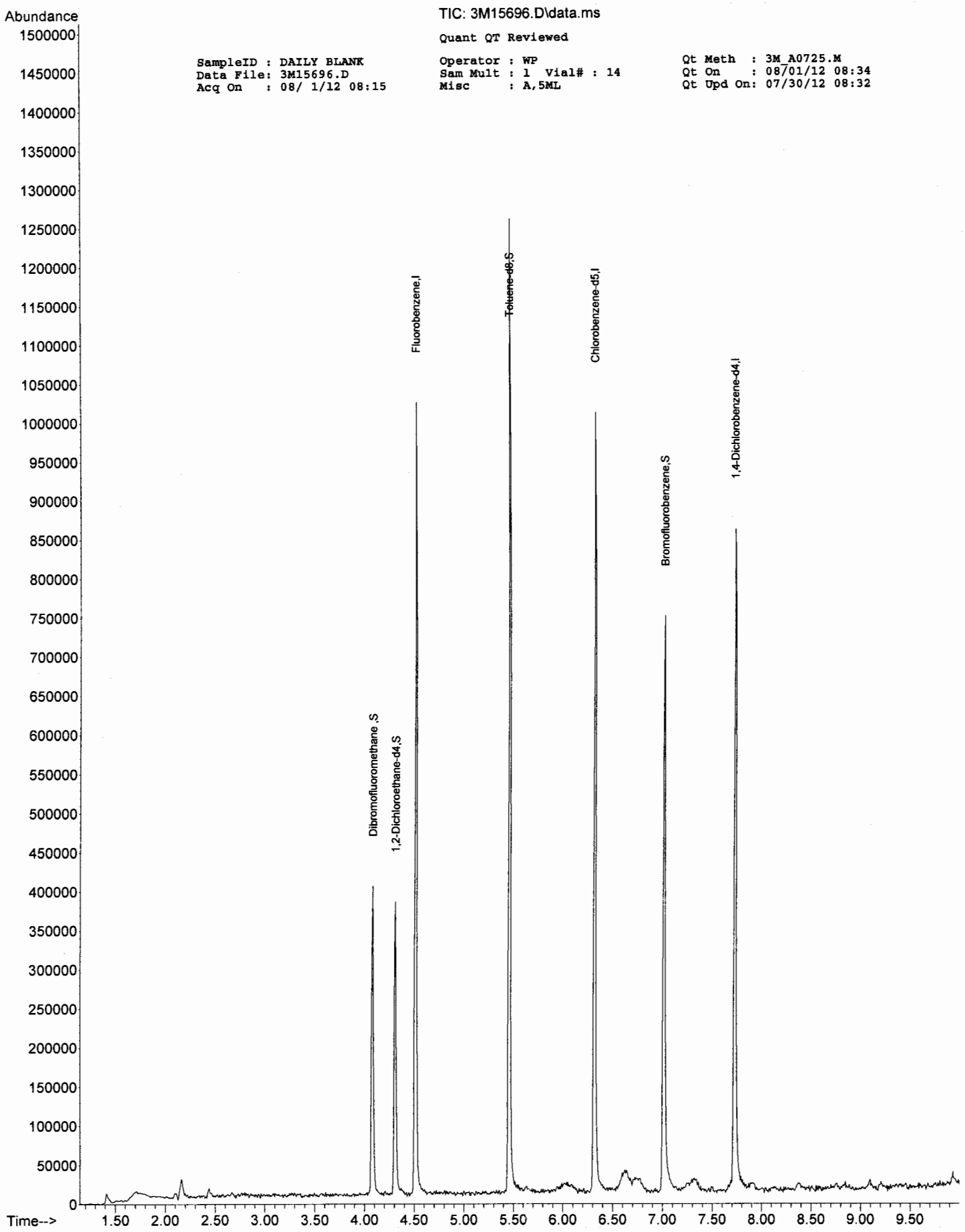
Qt Meth : 3M_A0725.M
Qt On : 08/01/12 08:34
Qt Upd On: 07/30/12 08:32

Data Path : G:\GcMsData\2012\gcms_3\Data\08-01-12\
Qt Path : G:\GCMSDATA\2012\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.512	96	573601	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.315	117	425837	30.00	ug/l	-0.01
69) 1,4-Dichlorobenzene-d4	7.721	152	211504	30.00	ug/l	-0.01
System Monitoring Compounds						
36) Dibromofluoromethane	4.079	111	169980	29.06	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.87%			
38) 1,2-Dichloroethane-d4	4.308	67	95100	28.31	ug/l	0.00
Spiked Amount 30.000			Recovery = 94.37%			
65) Toluene-d8	5.456	98	551147	28.24	ug/l	0.00
Spiked Amount 30.000			Recovery = 94.13%			
75) Bromofluorobenzene	7.012	174	186052	29.85	ug/l	-0.01
Spiked Amount 30.000			Recovery = 99.50%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


TIC: 3M15696.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 3M15696.D
Acq On : 08/ 1/12 08:15
Operator : WP
Sam Mult : 1 Vial# : 14
Misc : A,5ML
Qt Meth : 3M_A0725.M
Qt On : 08/01/12 08:34
Qt Upd On: 07/30/12 08:32
Abundance
Time-->
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I

FORM2

Surrogate Recovery

Method: EPA 8260B

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column0 S5 Recov	Column0 S6 Recov
1M88150.D	DAILY BLANK	Aqueous	07/30/12 09:38	1		106	106	106	83		
3M15605.D	DAILY BLANK	Aqueous	07/31/12 07:51	1		98	93	98	99		
3M15696.D	DAILY BLANK	Aqueous	08/01/12 08:15	1		97	94	94	100		
3M15703.D	AC67271-001	Aqueous	08/01/12 10:09	1		95	94	99	96		
3M15704.D	AC67271-003	Aqueous	08/01/12 10:24	1		92	95	102	96		
3M15705.D	AC67271-005	Aqueous	08/01/12 10:40	1		97	98	99	101		
3M15706.D	AC67271-007	Aqueous	08/01/12 10:56	1		99	100	97	94		
3M15707.D	AC67271-009	Aqueous	08/01/12 11:11	1		98	98	99	95		
1M88177.D	AC67271-011	Aqueous	07/30/12 17:35	1		108	100	105	103		
1M88178.D	AC67271-012	Aqueous	07/30/12 17:53	1		105	105	94	99		
1M88153.D	MBS19259	Aqueous	07/30/12 10:31	1		108	99	95	101		
3M15606.D	MBS19274	Aqueous	07/31/12 08:08	1		97	97	100	96		
3M15624.D	MBS19280	Aqueous	07/31/12 12:55	1		103	101	98	96		
3M15627.D	AC67266-009	Aqueous	07/31/12 13:42	1		103	99	97	99		
3M15699.D	MBS19288	Aqueous	08/01/12 09:05	1		94	97	98	101		
3M15700.D	AC67266-009(	Aqueous	08/01/12 09:21	1		95	96	98	98		
3M15701.D	AC67266-009(	Aqueous	08/01/12 09:38	1		94	95	99	99		
3M15719.D	MBS19294	Aqueous	08/01/12 14:19	1		102	101	99	97		

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: EPA 8260B

Aqueous Limits

Compound	Spike Amt	Limits
S1=Dibromofluoromethane	30	73-131
S2=1,2-Dichloroethane-d4	30	78-128
S3=Toluene-d8	30	79-111
S4=Bromofluorobenzene	30	82-112

Form3
Recovery Data
QC Batch: MBS19259

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M88153.D	MBS19259	7/30/2012 10:31:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	14.6911	0	20	73	20	130
1,1-Dichloroethene	1	15.0798	0	20	75	50	130
1,1-Dichloroethane	1	14.9313	0	20	75	50	130
Chloroform	1	15.1143	0	20	76	50	130
1,2-Dichloroethane	1	15.8328	0	20	79	50	130
2-Butanone	1	13.7303	0	20	69	20	130
Carbon Tetrachloride	1	15.9172	0	20	80	50	130
Trichloroethene	1	16.3176	0	20	82	50	130
Benzene	1	15.8119	0	20	79	50	130
Tetrachloroethene	1	15.7257	0	20	79	50	130
Toluene	1	14.6793	0	20	73	50	130
Chlorobenzene	1	15.0507	0	20	75	50	130
1,4-Dichlorobenzene	1	19.9039	0	20	100	50	130
1,2-Dichlorobenzene	1	16.4195	0	20	82	50	130
n-Propylbenzene	1	14.8957	0	20	74	50	130
sec-Butylbenzene	1	15.8665	0	20	79	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS19274

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M15606.D	MBS19274	7/31/2012 8:08:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	18.3802	0	20	92	20	130
1,1-Dichloroethene	1	18.6541	0	20	93	50	130
1,1-Dichloroethane	1	17.3414	0	20	87	50	130
Chloroform	1	17.497	0	20	87	50	130
1,2-Dichloroethane	1	19.0306	0	20	95	50	130
2-Butanone	1	15.1366	0	20	76	20	130
Carbon Tetrachloride	1	16.5063	0	20	83	50	130
Trichloroethene	1	18.2925	0	20	91	50	130
Benzene	1	19.7499	0	20	99	50	130
Tetrachloroethene	1	18.7302	0	20	94	50	130
Toluene	1	18.099	0	20	90	50	130
Chlorobenzene	1	17.5519	0	20	88	50	130
1,4-Dichlorobenzene	1	17.179	0	20	86	50	130
1,2-Dichlorobenzene	1	17.1244	0	20	86	50	130
n-Propylbenzene	1	19.0693	0	20	95	50	130
sec-Butylbenzene	1	18.5969	0	20	93	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS19280

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M15624.D	MBS19280	7/31/2012 12:55:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	15.3359	0	20	77	20	130
1,1-Dichloroethene	1	17.5858	0	20	88	50	130
1,1-Dichloroethane	1	17.3791	0	20	87	50	130
Chloroform	1	17.8931	0	20	89	50	130
1,2-Dichloroethane	1	19.9703	0	20	100	50	130
2-Butanone	1	12.9831	0	20	65	20	130
Carbon Tetrachloride	1	17.6698	0	20	88	50	130
Trichloroethene	1	18.5552	0	20	93	50	130
Benzene	1	19.9349	0	20	100	50	130
Tetrachloroethene	1	19.1204	0	20	96	50	130
Toluene	1	17.9952	0	20	90	50	130
Chlorobenzene	1	17.3137	0	20	87	50	130
1,4-Dichlorobenzene	1	17.4201	0	20	87	50	130
1,2-Dichlorobenzene	1	17.9913	0	20	90	50	130
n-Propylbenzene	1	19.0086	0	20	95	50	130
sec-Butylbenzene	1	19.3261	0	20	97	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS19288

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M15699.D	MBS19288	8/1/2012 9:05:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	20.6606	0	20	103	20	130
1,1-Dichloroethene	1	20.5327	0	20	103	50	130
1,1-Dichloroethane	1	19.3585	0	20	97	50	130
Chloroform	1	18.9331	0	20	95	50	130
1,2-Dichloroethane	1	20.5529	0	20	103	50	130
2-Butanone	1	18.3428	0	20	92	20	130
Carbon Tetrachloride	1	18.4778	0	20	92	50	130
Trichloroethene	1	20.153	0	20	101	50	130
Benzene	1	22.0166	0	20	110	50	130
Tetrachloroethene	1	20.7025	0	20	104	50	130
Toluene	1	19.7705	0	20	99	50	130
Chlorobenzene	1	19.2584	0	20	96	50	130
1,4-Dichlorobenzene	1	18.4461	0	20	92	50	130
1,2-Dichlorobenzene	1	18.8542	0	20	94	50	130
n-Propylbenzene	1	21.4671	0	20	107	50	130
sec-Butylbenzene	1	21.3264	0	20	107	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS19294

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M15719.D	MBS19294	8/1/2012 2:19:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	21.871	0	20	109	20	130
1,1-Dichloroethene	1	20.4723	0	20	102	50	130
1,1-Dichloroethane	1	19.2996	0	20	96	50	130
Chloroform	1	18.6772	0	20	93	50	130
1,2-Dichloroethane	1	21.4705	0	20	107	50	130
2-Butanone	1	16.511	0	20	83	20	130
Carbon Tetrachloride	1	19.0283	0	20	95	50	130
Trichloroethene	1	19.4409	0	20	97	50	130
Benzene	1	21.631	0	20	108	50	130
Tetrachloroethene	1	20.2315	0	20	101	50	130
Toluene	1	19.5144	0	20	98	50	130
Chlorobenzene	1	19.2521	0	20	96	50	130
1,4-Dichlorobenzene	1	18.4625	0	20	92	50	130
1,2-Dichlorobenzene	1	18.682	0	20	93	50	130
n-Propylbenzene	1	20.8158	0	20	104	50	130
sec-Butylbenzene	1	20.4696	0	20	102	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS19288

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M15700.D	AC67266-009(MS)	8/1/2012 9:21:00 AM
Non Spike(If applicable):	3M15627.D	AC67266-009	7/31/2012 1:42:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	21.1073	0	20	106	20	130
1,1-Dichloroethene	1	21.9167	0	20	110	50	130
1,1-Dichloroethane	1	20.8213	0	20	104	50	130
Chloroform	1	19.9798	0	20	100	50	130
1,2-Dichloroethane	1	21.7928	0	20	109	50	130
2-Butanone	1	21.0331	0	20	105	20	130
Carbon Tetrachloride	1	19.6109	0	20	98	50	130
Trichloroethene	1	21.5228	0	20	108	50	130
Benzene	1	23.4593	0	20	117	50	130
Tetrachloroethene	1	21.9409	0	20	110	50	130
Toluene	1	21.4076	0	20	107	50	130
Chlorobenzene	1	20.8455	0	20	104	50	130
1,4-Dichlorobenzene	1	19.0981	0	20	95	50	130
1,2-Dichlorobenzene	1	20.0438	0	20	100	50	130
n-Propylbenzene	1	21.5278	0	20	108	50	130
sec-Butylbenzene	1	20.6328	0	20	103	50	130

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M15701.D	AC67266-009(MSD)	8/1/2012 9:38:00 AM
Non Spike(If applicable):	3M15627.D	AC67266-009	7/31/2012 1:42:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	20.5745	0	20	103	20	130
1,1-Dichloroethene	1	21.6503	0	20	108	50	130
1,1-Dichloroethane	1	20.533	0	20	103	50	130
Chloroform	1	20.0582	0	20	100	50	130
1,2-Dichloroethane	1	21.7955	0	20	109	50	130
2-Butanone	1	21.5113	0	20	108	20	130
Carbon Tetrachloride	1	19.2278	0	20	96	50	130
Trichloroethene	1	21.0601	0	20	105	50	130
Benzene	1	23.6647	0	20	118	50	130
Tetrachloroethene	1	21.8315	0	20	109	50	130
Toluene	1	21.3984	0	20	107	50	130
Chlorobenzene	1	20.1083	0	20	101	50	130
1,4-Dichlorobenzene	1	18.4609	0	20	92	50	130
1,2-Dichlorobenzene	1	19.0112	0	20	95	50	130
n-Propylbenzene	1	20.7221	0	20	104	50	130
sec-Butylbenzene	1	19.8626	0	20	99	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
RPD DATA

QC Batch: MBS19288

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M15701.D	AC67266-009(MSD)	8/1/2012 9:38:00 AM
Duplicate(If applicable):	3M15700.D	AC67266-009(MS)	8/1/2012 9:21:00 AM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Vinyl Chloride	1	20.5745	21.1073	2.6	40
1,1-Dichloroethene	1	21.6503	21.9167	1.2	40
1,1-Dichloroethane	1	20.533	20.8213	1.4	40
Chloroform	1	20.0582	19.9798	0.39	40
1,2-Dichloroethane	1	21.7955	21.7928	0.01	40
2-Butanone	1	21.5113	21.0331	2.2	40
Carbon Tetrachloride	1	19.2278	19.6109	2	40
Trichloroethene	1	21.0601	21.5228	2.2	40
Benzene	1	23.6647	23.4593	0.87	40
Tetrachloroethene	1	21.8315	21.9409	0.5	40
Toluene	1	21.3984	21.4076	0.04	40
Chlorobenzene	1	20.1083	20.8455	3.6	40
1,4-Dichlorobenzene	1	18.4609	19.0981	3.4	40
1,2-Dichlorobenzene	1	19.0112	20.0438	5.3	40
n-Propylbenzene	1	20.7221	21.5278	3.8	40
sec-Butylbenzene	1	19.8626	20.6328	3.8	40

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 1M88150.D
Matrix: Aqueous

Blank Analysis Date: 07/30/12 09:38
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC67271-011	1M88177.D	07/30/12 17:35
AC67271-012	1M88178.D	07/30/12 17:53
MBS19259	1M88153.D	07/30/12 10:31

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 3M15605.D
Matrix: Aqueous

Blank Analysis Date: 07/31/12 07:51
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
MBS19280	3M15624.D	07/31/12 12:55
MBS19274	3M15606.D	07/31/12 08:08
AC67266-009	3M15627.D	07/31/12 13:42

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 3M15696.D
Matrix: Aqueous

Blank Analysis Date: 08/01/12 08:15
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC67271-001	3M15703.D	08/01/12 10:09
AC67271-003	3M15704.D	08/01/12 10:24
AC67271-005	3M15705.D	08/01/12 10:40
AC67271-007	3M15706.D	08/01/12 10:56
AC67271-009	3M15707.D	08/01/12 11:11
MBS19294	3M15719.D	08/01/12 14:19
AC67266-009(MSD	3M15701.D	08/01/12 09:38
AC67266-009(MS)	3M15700.D	08/01/12 09:21
MBS19288	3M15699.D	08/01/12 09:05

Form 5

Tune Name: BFB TUNE **Data File:** 1M87085.D
Instrument: GCMS 1 **Analysis Date:** 07/10/12 13:24
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.342 to 4.372 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	18.4	1608	PASS
75	95	30	60	40.8	3574	PASS
95	95	100	100	100.0	8760	PASS
96	95	5	9	6.1	536	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	91.4	8006	PASS
175	174	5	9	5.8	463	PASS
176	174	95	101	97.3	7791	PASS
177	176	5	9	5.4	419	PASS

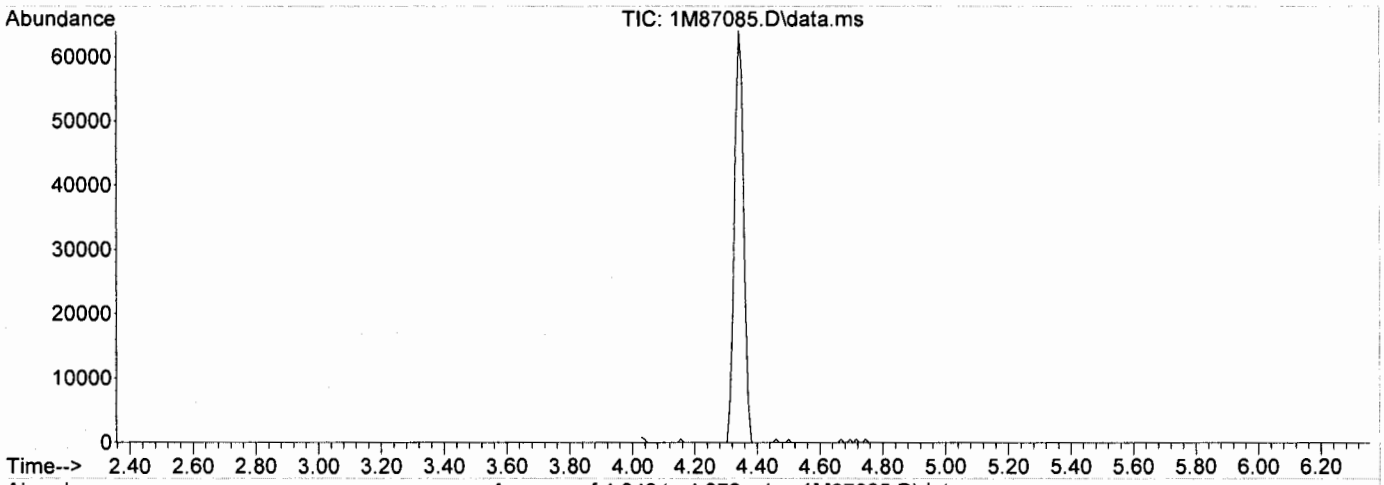
Data File	Sample Number	Analysis Date:
1M87087.D	1 PPB	07/10/12 14:01
1M87088.D	CAL @ 0.5 PPB	07/10/12 14:22
1M87089.D	CAL @ 5 PPB	07/10/12 14:41
1M87090.D	CAL @ 500 PPB	07/10/12 14:59
1M87091.D	CAL @ 250 PPB	07/10/12 15:16
1M87092.D	CAL @ 100 PPB	07/10/12 15:34
1M87093.D	CAL @ 50 PPB	07/10/12 15:52
1M87094.D	CAL @ 20 PPB	07/10/12 16:09
1M87095.D	CAL @ 10 PPB	07/10/12 16:27
1M87096.D	BLK	07/10/12 16:44
1M87097.D	CAL @ 1 PPB	07/10/12 17:02
1M87098.D	ICV	07/10/12 17:20
1M87099.D	66978-001	07/10/12 17:37
1M87100.D	BLK	07/10/12 17:55
1M87101.D	DAILY BLANK	07/10/12 18:13
1M87102.D	DAILY BLANK	07/10/12 18:30
1M87103.D	MBS18737	07/10/12 18:48
1M87104.D	MBS18738	07/10/12 19:05
1M87105.D	BLK	07/10/12 19:23
1M87106.D	AC66931-002	07/10/12 19:41
1M87107.D	AC66931-004	07/10/12 19:59
1M87108.D	AC66931-005	07/10/12 20:16
1M87109.D	AC66931-007	07/10/12 20:34
1M87110.D	AC66931-008	07/10/12 20:51
1M87111.D	AC66931-009	07/10/12 21:09
1M87112.D	AC66931-017	07/10/12 21:26
1M87113.D	AC66931-012	07/10/12 21:44
1M87114.D	AC66931-013	07/10/12 22:02
1M87115.D	AC66931-015	07/10/12 22:19
1M87116.D	AC66931-022	07/10/12 22:37
1M87117.D	AC66931-023	07/10/12 22:55
1M87118.D	AC66838-001	07/10/12 23:12
1M87119.D	AC66928-002	07/10/12 23:30
1M87120.D	AC66928-003	07/10/12 23:47
1M87121.D	AC66906-006	07/11/12 00:05
1M87122.D	AC66906-011	07/11/12 00:22
1M87123.D	BLK	07/11/12 00:40
1M87124.D	MBS18740	07/11/12 00:58
1M87125.D	AC66906-005(40U	07/11/12 01:15
1M87126.D	AC66906-008(80U	07/11/12 01:33
1M87127.D	AC66906-012(80U	07/11/12 01:50
1M87128.D	AC66931-001(400	07/11/12 02:08
1M87129.D	AC66966-004	07/11/12 02:25
1M87130.D	AC66967-001	07/11/12 02:43
1M87131.D	66967-004	07/11/12 03:01
1M87132.D	66967-005	07/11/12 03:18
1M87133.D	66967-006	07/11/12 03:36
1M87134.D	66967-014	07/11/12 03:53
1M87135.D	66967-015	07/11/12 04:11
1M87136.D	66967-016	07/11/12 04:28
1M87137.D	66967-017	07/11/12 04:46
1M87138.D	66967-018	07/11/12 05:04
1M87139.D	66967-002	07/11/12 05:21
1M87140.D	66967-003	07/11/12 05:39
1M87141.D	66981-002	07/11/12 05:57
1M87142.D	66981-003	07/11/12 06:14
1M87143.D	66981-004	07/11/12 06:32
1M87144.D	66981-005	07/11/12 06:50
1M87145.D	66981-006	07/11/12 07:07
1M87146.D	66978-001	07/11/12 07:25
1M87147.D	66978-002	07/11/12 07:42
1M87148.D	66978-003	07/11/12 08:00
1M87149.D	66978-004	07/11/12 08:18
1M87150.D	66978-005	07/11/12 08:36

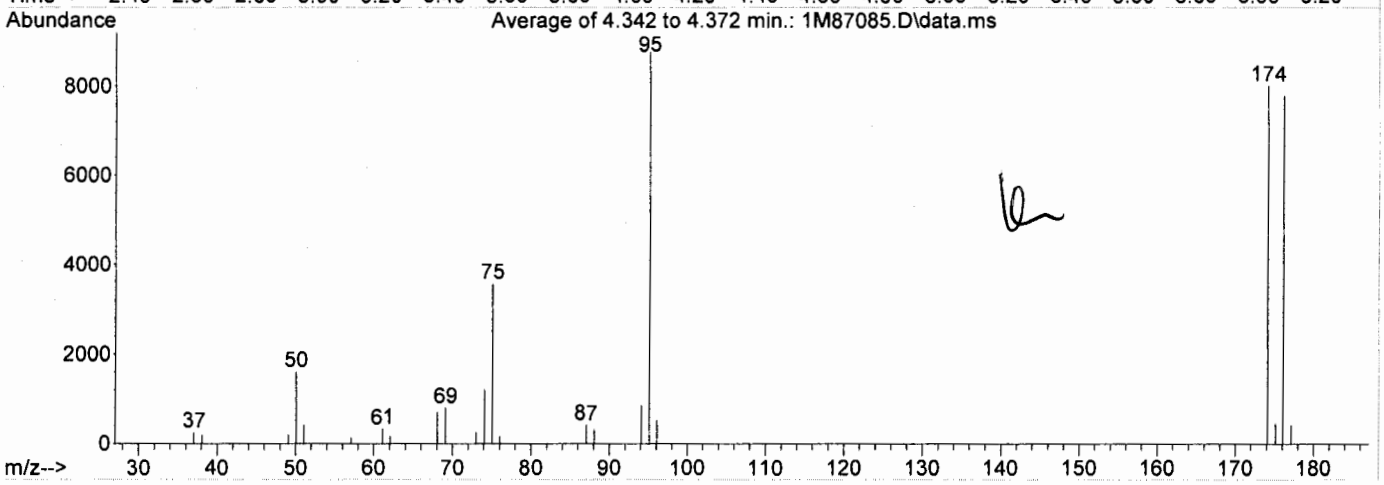
2072508 0090

Data Path : G:\GcMsData\2012\gcms_1\Data\07-10-12\
Data File : 1M87085.D
Acq On : 10 Jul 2012 13:24
Operator : WP
Sample : BFB TUNE
Misc : A,5mL
ALS Vial : 93 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2012\gcms_1\MethodQt\1M_A0607.M
Title : @GCMS_1,ug,624,8260
Last Update : Thu Jun 07 12:23:04 2012





Spectrum Information: Average of 4.342 to 4.372 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.4	1608	PASS
75	95	30	60	40.8	3574	PASS
95	95	100	100	100.0	8760	PASS
96	95	5	9	6.1	536	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	91.4	8006	PASS
175	174	5	9	5.8	463	PASS
176	174	95	101	97.3	7791	PASS
177	176	5	9	5.4	419	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 3

Data File: 3M15354.D
Analysis Date: 07/26/12 07:45
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.320 to 4.349 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	22.9	26957	PASS
75	95	30	60	54.0	63604	PASS
95	95	100	100	100.0	117808	PASS
96	95	5	9	8.5	10004	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	76.4	89976	PASS
175	174	5	9	8.9	8015	PASS
176	174	95	101	97.8	87992	PASS
177	176	5	9	6.3	5567	PASS

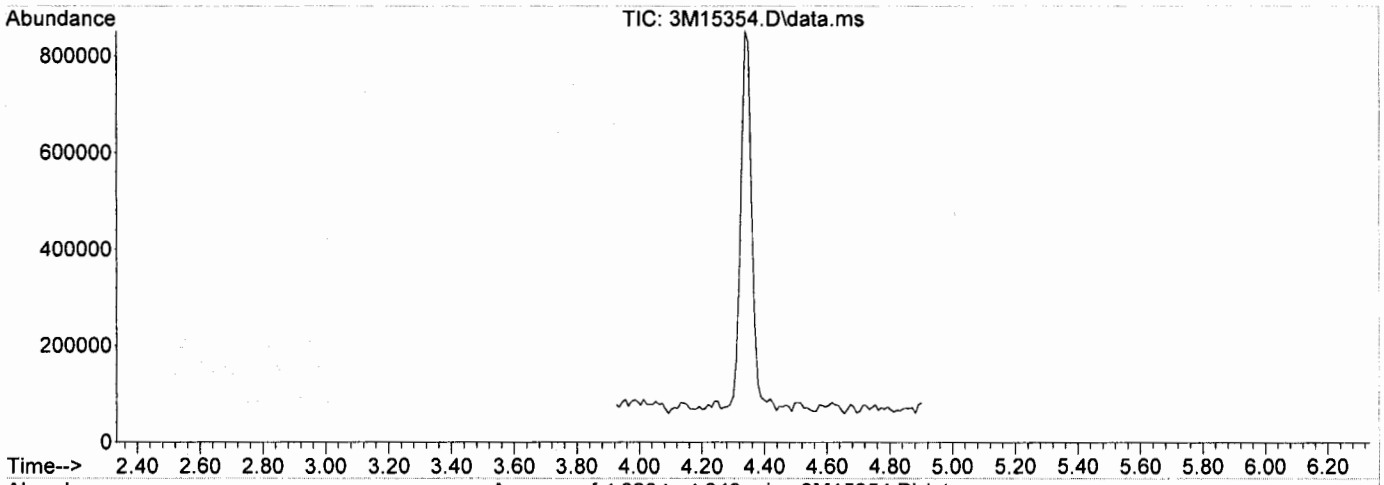
Data File	Sample Number	Analysis Date:
3M15355.D	BLK	07/26/12 07:58
3M15356.D	BLK	07/26/12 08:15
3M15357.D	CAL @ 1 PPB	07/26/12 08:31
3M15358.D	CAL @ 0.5 PPB	07/26/12 08:51
3M15359.D	CAL @ 5 PPB	07/26/12 09:06
3M15360.D	CAL @ 500 PPB	07/26/12 09:22
3M15361.D	CAL @ 250 PPB	07/26/12 09:38
3M15362.D	CAL @ 100 PPB	07/26/12 09:53
3M15363.D	CAL @ 50 PPB	07/26/12 10:09
3M15364.D	CAL @ 20 PPB	07/26/12 10:24
3M15365.D	CAL @ 10 PPB	07/26/12 10:40
3M15366.D	ICV	07/26/12 10:56
3M15367.D	BLK	07/26/12 11:11
3M15368.D	DAILY BLANK	07/26/12 11:27
3M15369.D	MBS19237	07/26/12 11:42
3M15370.D	AC67129-002	07/26/12 11:58
3M15371.D	AC67102-003	07/26/12 12:14
3M15372.D	AC67111-002	07/26/12 12:29
3M15373.D	AC67117-007	07/26/12 12:45
3M15374.D	AC67117-006(200X	07/26/12 13:00
3M15375.D	AC67117-002(10X)	07/26/12 13:19
3M15376.D	BLK	07/26/12 13:34
3M15377.D	AC67116-001(5X)	07/26/12 13:53
3M15378.D	AC67117-003(5X)	07/26/12 14:12
3M15379.D	AC67102-005(5X)	07/26/12 14:31
3M15380.D	AC67117-007(MS)	07/26/12 14:48
3M15381.D	AC67117-007(MSD	07/26/12 15:04
3M15382.D	MBS19238	07/26/12 15:22
3M15383.D	AC67117-001(MS)	07/26/12 15:39
3M15384.D	AC67117-001(MSD	07/26/12 15:55
3M15385.D	BLK	07/26/12 16:12
3M15386.D	BLK	07/26/12 16:29
3M15387.D	MBS19239	07/26/12 16:46
3M15388.D	BLK	07/26/12 17:02
3M15389.D	AC67229-014	07/26/12 17:19
3M15390.D	AC67229-015	07/26/12 17:36
3M15391.D	AC67229-007	07/26/12 17:53
3M15392.D	AC67224-024	07/26/12 18:10
3M15393.D	AC67224-025	07/26/12 18:27
3M15394.D	AC67224-026	07/26/12 18:44
3M15395.D	AC67224-027	07/26/12 19:01
3M15396.D	AC67224-028	07/26/12 19:18
3M15397.D	AC67224-029	07/26/12 19:35
3M15398.D	BLK	07/26/12 19:53
3M15399.D	AC67229-008	07/26/12 20:11
3M15401.D	AC67229-010	07/27/12 08:40

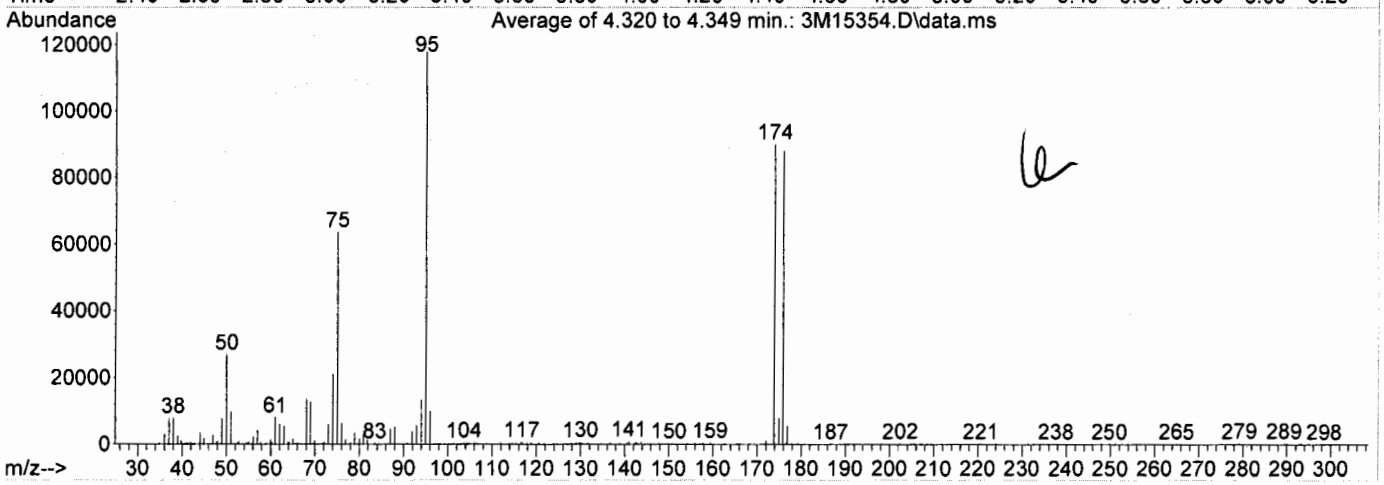
2072508 0092

Data Path : G:\GcMsData\2012\gcms_3\Data\07-26-12\
Data File : 3M15354.D
Acq On : 26 Jul 2012 7:45
Operator : DB
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2012\GCMS_3\METHODQT\3M_A0625.M
Title : @GCMS_3,ug,624,8260
Last Update : Mon Jun 25 10:49:13 2012





Spectrum Information: Average of 4.320 to 4.349 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.9	26957	PASS
75	95	30	60	54.0	63604	PASS
95	95	100	100	100.0	117808	PASS
96	95	5	9	8.5	10004	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	76.4	89976	PASS
175	174	5	9	8.9	8015	PASS
176	174	95	101	97.8	87992	PASS
177	176	5	9	6.3	5567	PASS

Form 5

Tune Name: BFB TUNE **Data File:** 1M88146.D
Instrument: GCMS 1 **Analysis Date:** 07/30/12 08:27
Method: EPA 8260B
Tune Scan/Time Range: Average of 4.376 to 4.415 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	20.4	3338	PASS
75	95	30	60	46.7	7644	PASS
95	95	100	100	100.0	16355	PASS
96	95	5	9	7.7	1257	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	83.5	13658	PASS
175	174	5	9	6.5	889	PASS
176	174	95	101	96.4	13165	PASS
177	176	5	9	6.5	850	PASS

Data File	Sample Number	Analysis Date:
1M88147.D	20 PPB	07/30/12 08:45
1M88148.D	BLK	07/30/12 09:02
1M88149.D	CAL @ 20 PPB	07/30/12 09:20
1M88150.D	DAILY BLANK	07/30/12 09:38
1M88151.D	DAILY BLANK	07/30/12 09:55
1M88152.D	MBS19258	07/30/12 10:13
1M88153.D	MBS19259	07/30/12 10:31
1M88154.D	AC67311-001	07/30/12 10:49
1M88155.D	AC67339-001	07/30/12 11:07
1M88156.D	AC67311-002	07/30/12 11:24
1M88157.D	AC67276-004(MS)	07/30/12 11:42
1M88158.D	AC67276-004(MSD	07/30/12 12:00
1M88159.D	67250-006(T:MX)	07/30/12 12:17
1M88160.D	AC67250-006(T:M	07/30/12 12:35
1M88161.D	BLK	07/30/12 12:53
1M88162.D	AC67276-008	07/30/12 13:11
1M88163.D	AC67276-009	07/30/12 13:28
1M88164.D	AC67198-009	07/30/12 13:46
1M88165.D	AC67311-004	07/30/12 14:03
1M88166.D	AC67311-005	07/30/12 14:21
1M88167.D	AC67250-006(T:M	07/30/12 14:39
1M88168.D	AC67172-005(50X)	07/30/12 14:56
1M88169.D	AC67172-001(100X	07/30/12 15:14
1M88170.D	AC67172-007	07/30/12 15:32
1M88171.D	AC67172-011	07/30/12 15:50
1M88172.D	AC67226-002	07/30/12 16:07
1M88173.D	AC67198-001(100X	07/30/12 16:25
1M88174.D	AC67198-003(50X)	07/30/12 16:42
1M88175.D	AC67198-005(50X)	07/30/12 17:00
1M88176.D	BLK	07/30/12 17:18
1M88177.D	AC67271-011	07/30/12 17:35
1M88178.D	AC67271-012	07/30/12 17:53
1M88179.D	BLK	07/30/12 18:10
1M88180.D	BLK	07/30/12 18:28
1M88181.D	AC67248-001	07/30/12 18:46
1M88182.D	AC67248-002	07/30/12 19:03
1M88183.D	AC67248-003	07/30/12 19:21
1M88184.D	AC67248-004	07/30/12 19:38
1M88185.D	AC67248-005	07/30/12 19:56
1M88186.D	AC67232-001	07/30/12 20:13
1M88187.D	20 PPB	07/30/12 20:31
1M88188.D	MBS19271	07/30/12 20:49
1M88189.D	BLK	07/30/12 21:06
1M88190.D	AC67212-003	07/30/12 21:24
1M88191.D	AC67212-002	07/30/12 21:41
1M88192.D	AC67218-002	07/30/12 21:59
1M88193.D	AC67218-001	07/30/12 22:16
1M88194.D	AC67219-002	07/30/12 22:34
1M88195.D	AC67318-001	07/30/12 22:52
1M88196.D	AC67318-007	07/30/12 23:09
1M88197.D	AC67170-012	07/30/12 23:27
1M88198.D	AC67219-003	07/30/12 23:44
1M88199.D	AC67318-006	07/31/12 00:02
1M88200.D	AC67212-001	07/31/12 00:19
1M88201.D	AC67291-001	07/31/12 00:37
1M88202.D	AC67318-003	07/31/12 00:55
1M88203.D	AC67266-009	07/31/12 01:12
1M88204.D	BLK	07/31/12 01:30
1M88205.D	BLK	07/31/12 01:48
1M88206.D	BLK	07/31/12 02:06
1M88207.D	BLK	07/31/12 02:23
1M88208.D	BLK	07/31/12 02:41
1M88209.D	BLK	07/31/12 02:58
1M88210.D	BLK	07/31/12 03:14
1M88211.D	BLK	07/31/12 03:31

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 1

Data File: 1M88146.D
Analysis Date: 07/30/12 08:27
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.376 to 4.415 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	20.4	3338	PASS
75	95	30	60	46.7	7644	PASS
95	95	100	100	100.0	16355	PASS
96	95	5	9	7.7	1257	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	83.5	13658	PASS
175	174	5	9	6.5	889	PASS
176	174	95	101	96.4	13165	PASS
177	176	5	9	6.5	850	PASS

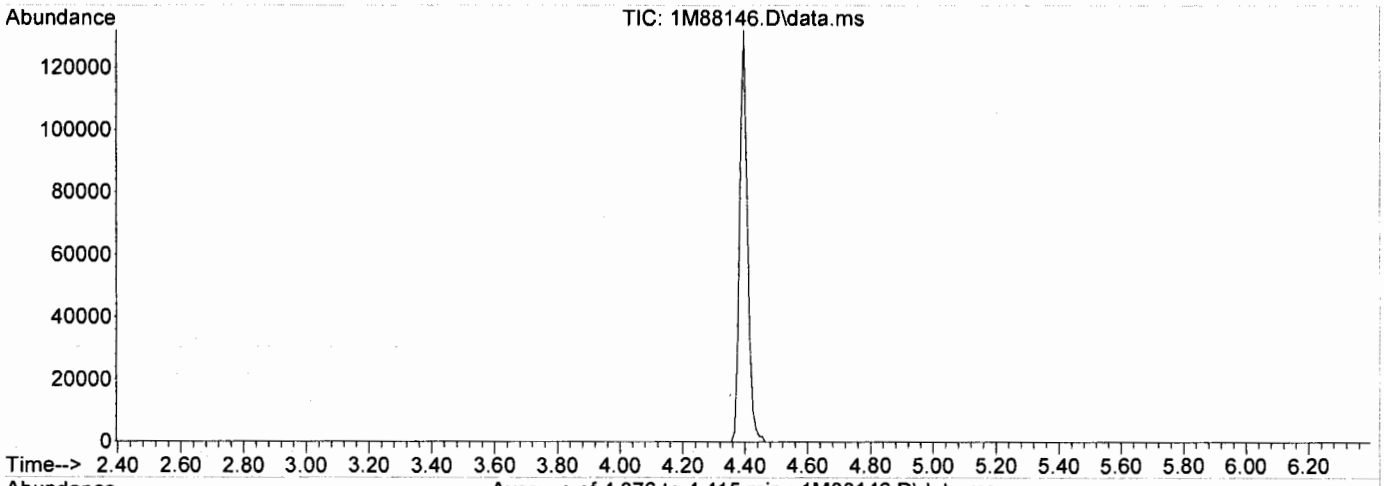
1M88212.D	BLK	07/31/12 03:47
1M88213.D	BLK	07/31/12 04:03
1M88214.D	BLK	07/31/12 04:20
1M88215.D	BLK	07/31/12 04:36
1M88216.D	BLK	07/31/12 04:52
1M88217.D	BLK	07/31/12 05:09
1M88218.D	BLK	07/31/12 05:25
1M88219.D	BLK	07/31/12 05:41
1M88220.D	BLK	07/31/12 05:58
1M88221.D	BLK	07/31/12 06:14
1M88222.D	BLK	07/31/12 06:30

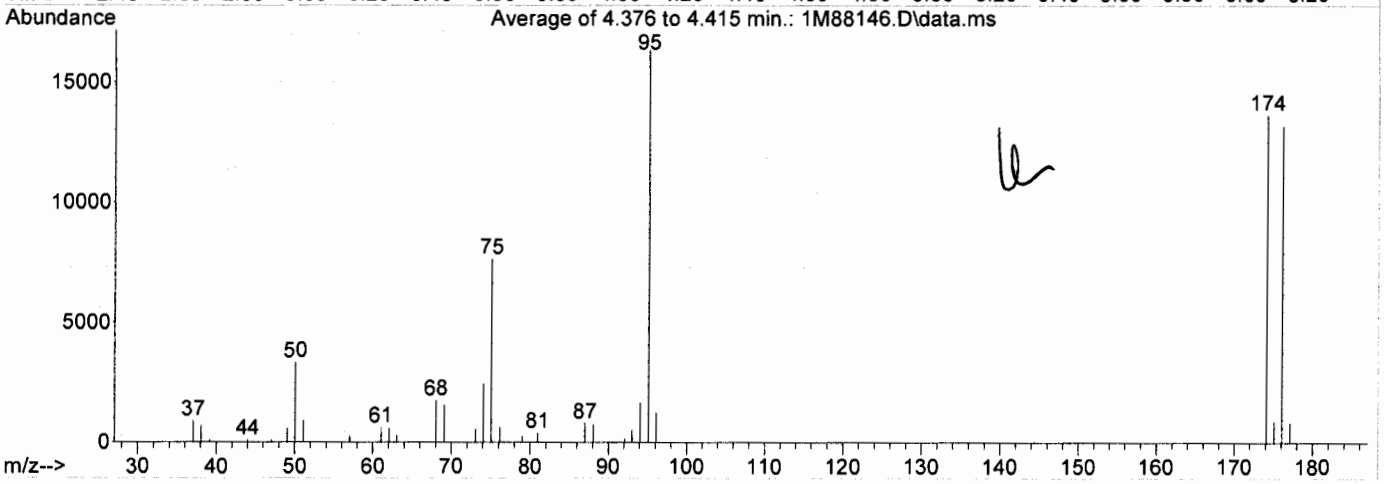
2072508 0095

Data Path : G:\GcMsData\2012\gcms_1\Data\07-30-12\
Data File : 1M88146.D
Acq On : 30 Jul 2012 8:27
Operator : WP
Sample : BFB TUNE
Misc : A,5mL
ALS Vial : 4 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2012\gcms_1\MethodQt\1M_A0710.M
Title : @GCMS_1,ug,624,8260
Last Update : Wed Jul 11 08:08:48 2012





Spectrum Information: Average of 4.376 to 4.415 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.4	3338	PASS
75	95	30	60	46.7	7644	PASS
95	95	100	100	100.0	16355	PASS
96	95	5	9	7.7	1257	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	83.5	13658	PASS
175	174	5	9	6.5	889	PASS
176	174	95	101	96.4	13165	PASS
177	176	5	9	6.5	850	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 3

Data File: 3M15601.D
Analysis Date: 07/31/12 06:50
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.300 to 4.359 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	21.9	17854	PASS
75	95	30	60	47.6	38899	PASS
95	95	100	100	100.0	81639	PASS
96	95	5	9	8.1	6625	PASS
173	174	0.00	2	0.9	562	PASS
174	95	50	100	80.5	65689	PASS
175	174	5	9	6.9	4560	PASS
176	174	95	101	95.3	62598	PASS
177	176	5	9	6.6	4160	PASS

Data File	Sample Number	Analysis Date:
3M15602.D	BLK	07/31/12 07:01
3M15603.D	CAL @ 20 PPB	07/31/12 07:18
3M15604.D	BLK	07/31/12 07:35
3M15605.D	DAILY BLANK	07/31/12 07:51
3M15606.D	MBS19274	07/31/12 08:08
3M15607.D	AC67259-022(T)	07/31/12 08:24
3M15608.D	EF-1-V-145972(072	07/31/12 08:40
3M15609.D	AC67259-022(T:M	07/31/12 08:57
3M15610.D	BLK	07/31/12 09:13
3M15611.D	AC67259-022(T:M	07/31/12 09:28
3M15612.D	AC67246-004	07/31/12 09:44
3M15613.D	BLK	07/31/12 10:03
3M15614.D	AC67318-001	07/31/12 10:19
3M15615.D	AC67318-005	07/31/12 10:34
3M15616.D	AC67218-002	07/31/12 10:50
3M15617.D	AC67218-001	07/31/12 11:06
3M15618.D	AC67318-006	07/31/12 11:21
3M15619.D	AC67318-007	07/31/12 11:37
3M15620.D	AC67276-008	07/31/12 11:53
3M15621.D	AC67198-009	07/31/12 12:08
3M15622.D	BLK	07/31/12 12:24
3M15623.D	AC67309-002	07/31/12 12:39
3M15624.D	MBS19280	07/31/12 12:55
3M15625.D	AC67260-009	07/31/12 13:11
3M15626.D	BLKJUG3	07/31/12 13:26
3M15627.D	AC67266-009	07/31/12 13:42
3M15628.D	AC67266-008	07/31/12 13:57
3M15629.D	AC67302-005	07/31/12 14:13
3M15630.D	AC67302-001	07/31/12 14:29
3M15631.D	AC67318-002	07/31/12 14:44
3M15632.D	AC67318-003	07/31/12 15:00
3M15633.D	AC67248-002	07/31/12 15:15
3M15634.D	AC67248-003	07/31/12 15:31
3M15635.D	AC67198-003	07/31/12 15:46
3M15636.D	AC67198-005(50X)	07/31/12 16:02
3M15637.D	AC67198-001(100X	07/31/12 16:18
3M15638.D	BLK	07/31/12 16:33
3M15639.D	AC67318-004	07/31/12 16:49
3M15640.D	AC67318-001(MS)	07/31/12 17:04
3M15641.D	AC67318-001(MSD	07/31/12 17:20
3M15642.D	BLK	07/31/12 17:35
3M15643.D	AC67219-002	07/31/12 17:51
3M15644.D	AC67227-002	07/31/12 18:06
3M15645.D	AC67212-001	07/31/12 18:22
3M15646.D	BLK	07/31/12 18:38
3M15647.D	BLK	07/31/12 18:53
3M15648.D	MBS19283	07/31/12 19:09
3M15649.D	BLK	07/31/12 19:24
3M15650.D	AC67296-010	07/31/12 19:40
3M15651.D	AC67301-008	07/31/12 19:55
3M15652.D	AC67296-001	07/31/12 20:11
3M15653.D	AC67296-002	07/31/12 20:26
3M15654.D	AC67296-003	07/31/12 20:42
3M15655.D	AC67296-004	07/31/12 20:58
3M15656.D	AC67296-005	07/31/12 21:13
3M15657.D	AC67296-006	07/31/12 21:29
3M15658.D	AC67296-009	07/31/12 21:44
3M15659.D	AC67336-001	07/31/12 22:00
3M15660.D	AC67336-002	07/31/12 22:16
3M15661.D	AC67296-007	07/31/12 22:31
3M15662.D	AC67296-008	07/31/12 22:47
3M15663.D	AC67330-001	07/31/12 23:02
3M15664.D	AC67322-001	07/31/12 23:18
3M15665.D	67246-004	07/31/12 23:33
3M15666.D	AC67301-001	07/31/12 23:49

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 3

Data File: 3M15601.D
Analysis Date: 07/31/12 06:50
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.300 to 4.359 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	21.9	17854	PASS
75	95	30	60	47.6	38899	PASS
95	95	100	100	100.0	81639	PASS
96	95	5	9	8.1	6625	PASS
173	174	0.00	2	0.9	562	PASS
174	95	50	100	80.5	65689	PASS
175	174	5	9	6.9	4560	PASS
176	174	95	101	95.3	62598	PASS
177	176	5	9	6.6	4160	PASS

3M15667.D	AC67301-003(10X)	08/01/12 00:07
3M15668.D	AC67301-006(10X)	08/01/12 00:26
3M15669.D	AC67301-007(50X)	08/01/12 00:44
3M15670.D	MBS19284	08/01/12 01:00
3M15671.D	AC67200-001(MS)	08/01/12 01:17
3M15672.D	AC67200-001(MSD	08/01/12 01:33
3M15673.D	BLK	08/01/12 01:50
3M15674.D	BLK	08/01/12 02:08
3M15675.D	MBS19285	08/01/12 02:25
3M15676.D	BLK	08/01/12 02:42
3M15677.D	AC67241-001	08/01/12 02:59
3M15678.D	AC67241-002	08/01/12 03:17
3M15679.D	AC67241-004	08/01/12 03:33
3M15680.D	AC67241-005	08/01/12 03:50
3M15681.D	AC67241-006	08/01/12 04:07
3M15682.D	AC67241-007	08/01/12 04:24
3M15683.D	AC67240-001	08/01/12 04:41
3M15684.D	AC67240-002	08/01/12 04:59
3M15685.D	AC67247-010	08/01/12 05:16
3M15686.D	AC67247-012	08/01/12 05:33
3M15687.D	AC67247-013	08/01/12 05:49
3M15688.D	AC67240-003	08/01/12 06:06
3M15689.D	AC67241-003	08/01/12 06:23
3M15690.D	AC67247-011	08/01/12 06:40
3M15691.D	AC67247-009	08/01/12 06:57

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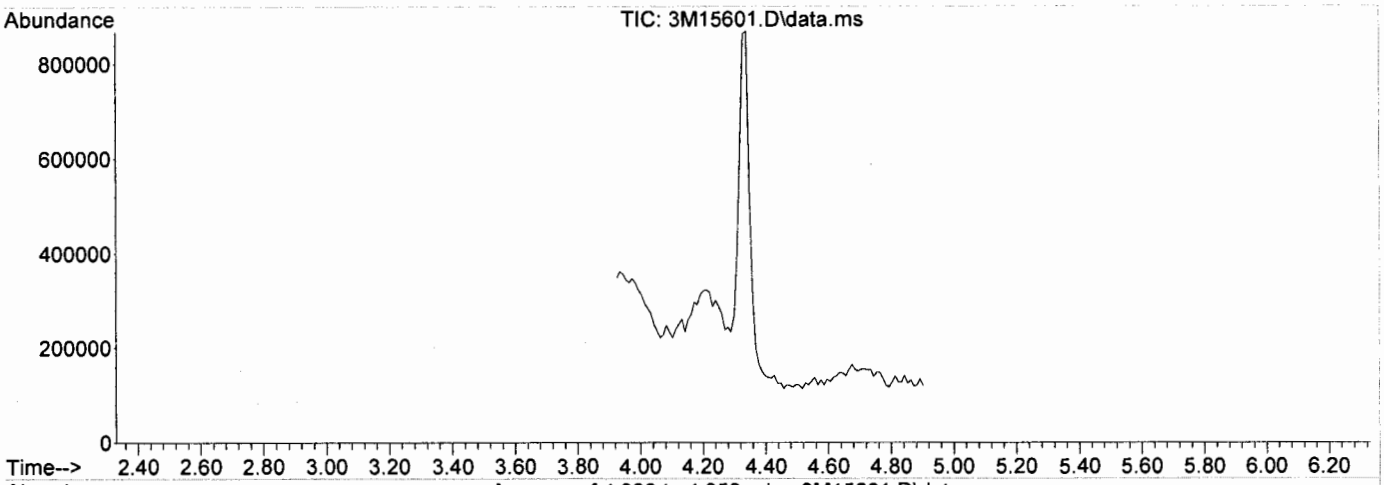
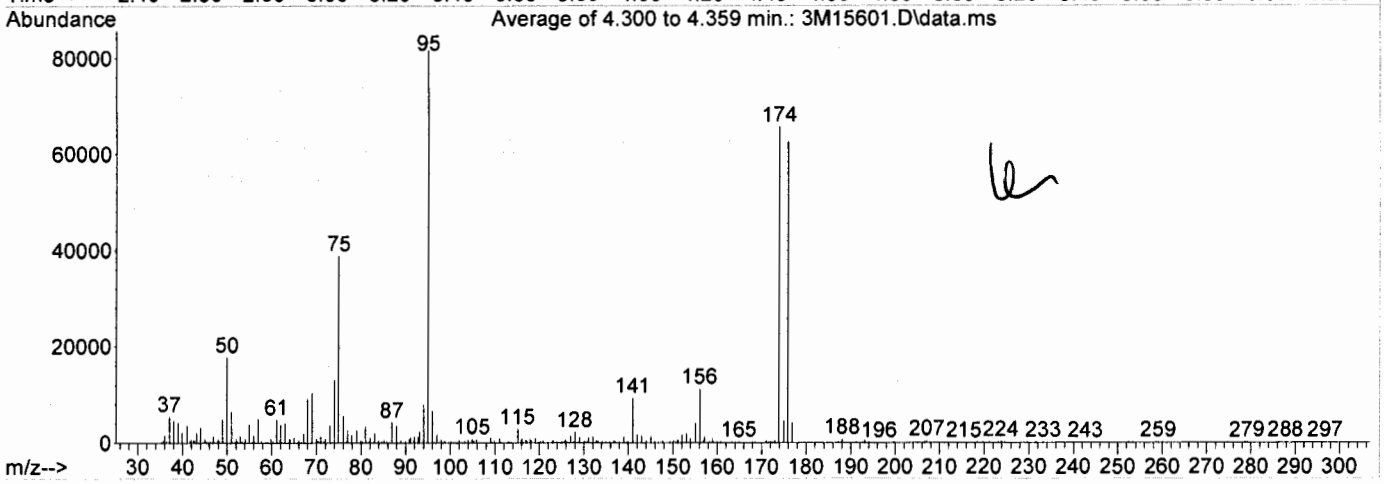
Data Path : G:\GcMsData\2012\gcms_3\Data\07-31-12\
Data File : 3M15601.D
Acq On : 31 Jul 2012 6:50
Operator : WP
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2012\GCMS_3\METHODQT\3M_A0725.M
Title : @GCMS_3,ug,624,8260
Last Update : Thu Jul 26 10:55:03 2012





Spectrum Information: Average of 4.300 to 4.359 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.9	17854	PASS
75	95	30	60	47.6	38899	PASS
95	95	100	100	100.0	81639	PASS
96	95	5	9	8.1	6625	PASS
173	174	0.00	2	0.9	562	PASS
174	95	50	100	80.5	65689	PASS
175	174	5	9	6.9	4560	PASS
176	174	95	101	95.3	62598	PASS
177	176	5	9	6.6	4160	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 3

Data File: 3M15692.D
Analysis Date: 08/01/12 07:12
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.310 to 4.369 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	22.4	20662	PASS
75	95	30	60	46.6	42879	PASS
95	95	100	100	100.0	92069	PASS
96	95	5	9	7.4	6772	PASS
173	174	0.00	2	0.4	259	PASS
174	95	50	100	78.3	72118	PASS
175	174	5	9	7.8	5654	PASS
176	174	95	101	98.7	71174	PASS
177	176	5	9	7.5	5313	PASS

Data File	Sample Number	Analysis Date:
3M15694.D	CAL @ 20 PPB	08/01/12 07:41
3M15695.D	BLK	08/01/12 07:59
3M15696.D	DAILY BLANK	08/01/12 08:15
3M15697.D	BLK	08/01/12 08:32
3M15698.D	AC67247-009	08/01/12 08:48
3M15699.D	MBS19288	08/01/12 09:05
3M15700.D	AC67266-009(MS)	08/01/12 09:21
3M15701.D	AC67266-009(MSD	08/01/12 09:38
3M15702.D	BLKJUG3	08/01/12 09:53
3M15703.D	AC67271-001	08/01/12 10:09
3M15704.D	AC67271-003	08/01/12 10:24
3M15705.D	AC67271-005	08/01/12 10:40
3M15706.D	AC67271-007	08/01/12 10:56
3M15707.D	AC67271-009	08/01/12 11:11
3M15708.D	BLKJUG#1	08/01/12 11:27
3M15709.D	AC67363-003	08/01/12 11:43
3M15710.D	AC67363-004	08/01/12 11:58
3M15711.D	AC67363-001	08/01/12 12:14
3M15712.D	AC67363-002	08/01/12 12:30
3M15713.D	AC67257-001	08/01/12 12:45
3M15714.D	AC67257-003	08/01/12 13:01
3M15715.D	AC67257-004	08/01/12 13:16
3M15716.D	AC67257-006	08/01/12 13:32
3M15717.D	BLK	08/01/12 13:48
3M15718.D	67271-003	08/01/12 14:03
3M15719.D	MBS19294	08/01/12 14:19
3M15720.D	BLK	08/01/12 14:34
3M15721.D	AC67257-008	08/01/12 14:50
3M15722.D	AC67257-009	08/01/12 15:06
3M15723.D	AC67257-010	08/01/12 15:21
3M15724.D	AC67257-012	08/01/12 15:37
3M15725.D	AC67257-014	08/01/12 15:52
3M15726.D	AC67257-015	08/01/12 16:08
3M15727.D	BLK	08/01/12 16:23
3M15728.D	AC67267-005	08/01/12 16:39
3M15729.D	AC67275-002	08/01/12 16:55
3M15730.D	AC67275-002	08/01/12 17:10
3M15731.D	AC67281-014	08/01/12 17:26
3M15732.D	AC67283-001	08/01/12 17:41
3M15733.D	AC67283-002	08/01/12 17:57
3M15734.D	AC67256-001	08/01/12 18:12
3M15735.D	AC67249-002	08/01/12 18:27
3M15736.D	AC67249-003	08/01/12 18:43
3M15737.D	blk	08/01/12 18:59
3M15738.D	AC67256-002	08/01/12 19:14
3M15739.D	AC67256-004	08/01/12 19:30
3M15740.D	AC67256-005	08/01/12 19:45
3M15741.D	AC67249-001	08/01/12 20:01
3M15742.D	AC67247-012(MS)	08/01/12 20:16
3M15743.D	AC67247-012(MSD	08/01/12 20:32
3M15744.D	BLK	08/01/12 20:47
3M15745.D	BLK	08/01/12 21:03
3M15746.D	MBS19295	08/01/12 21:18
3M15747.D	BLK	08/01/12 21:34
3M15748.D	AC67283-003	08/01/12 21:50
3M15749.D	AC67283-004	08/01/12 22:05
3M15750.D	AC67283-005	08/01/12 22:21
3M15751.D	AC67283-006	08/01/12 22:36
3M15752.D	AC67283-007	08/01/12 22:52
3M15753.D	AC67283-008	08/01/12 23:07
3M15754.D	AC67283-009	08/01/12 23:23
3M15755.D	AC67283-010	08/01/12 23:39
3M15756.D	AC67282-001	08/01/12 23:54
3M15757.D	AC67282-002	08/02/12 00:10
3M15758.D	AC67282-004	08/02/12 00:25

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 3

Data File: 3M15692.D
Analysis Date: 08/01/12 07:12
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.310 to 4.369 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	22.4	20662	PASS
75	95	30	60	46.6	42879	PASS
95	95	100	100	100.0	92069	PASS
96	95	5	9	7.4	6772	PASS
173	174	0.00	2	0.4	259	PASS
174	95	50	100	78.3	72118	PASS
175	174	5	9	7.8	5654	PASS
176	174	95	101	98.7	71174	PASS
177	176	5	9	7.5	5313	PASS

3M15759.D	AC67282-005	08/02/12 00:41
3M15760.D	AC67282-007	08/02/12 00:56
3M15761.D	AC67282-009	08/02/12 01:12
3M15762.D	AC67282-010	08/02/12 01:27
3M15763.D	AC67282-012	08/02/12 01:43
3M15764.D	AC67282-013	08/02/12 01:58
3M15765.D	AC67282-015	08/02/12 02:14
3M15766.D	AC67282-017	08/02/12 02:29
3M15767.D	AC67282-018	08/02/12 02:45
3M15768.D	MBS19296	08/02/12 03:00
3M15769.D	MBS19297	08/02/12 03:16
3M15770.D	AC67219-001(MS)	08/02/12 03:31
3M15771.D	AC67219-001(MSD	08/02/12 03:47
3M15772.D	BLK	08/02/12 04:03
3M15773.D	BLK	08/02/12 04:18
3M15774.D	BLK	08/02/12 04:33
3M15775.D	BLK	08/02/12 04:48
3M15776.D	BLK	08/02/12 05:03
3M15777.D	BLK	08/02/12 05:18
3M15778.D	BLK	08/02/12 05:33
3M15779.D	BLK	08/02/12 05:48
3M15780.D	BLK	08/02/12 06:04
3M15781.D	BLK	08/02/12 06:19
3M15782.D	BLK	08/02/12 06:34
3M15783.D	BLK	08/02/12 06:49
3M15784.D	BLK	08/02/12 07:04

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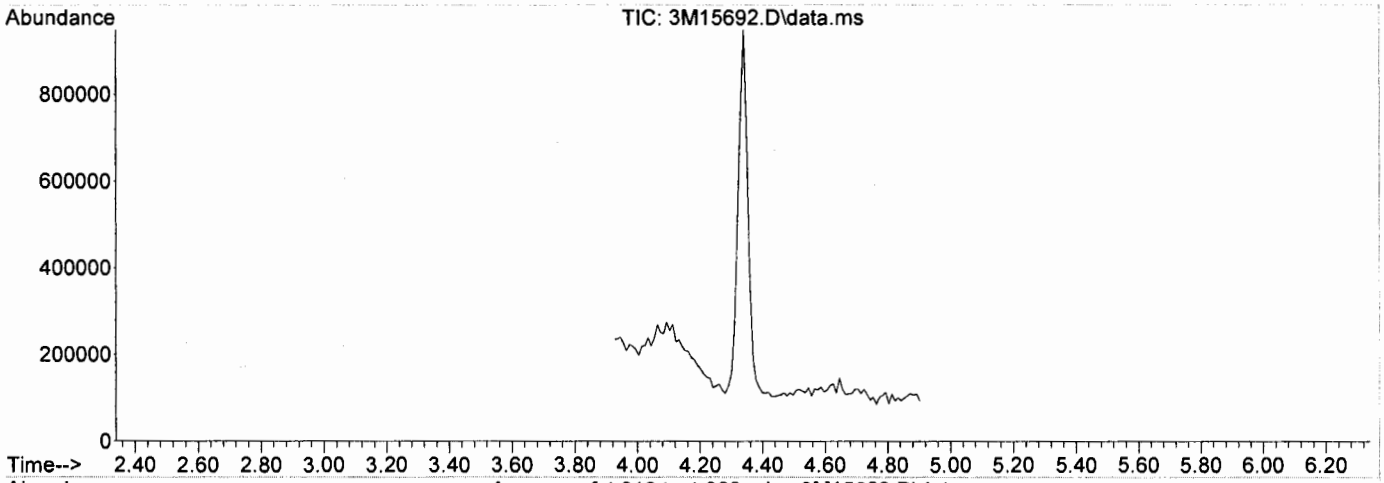
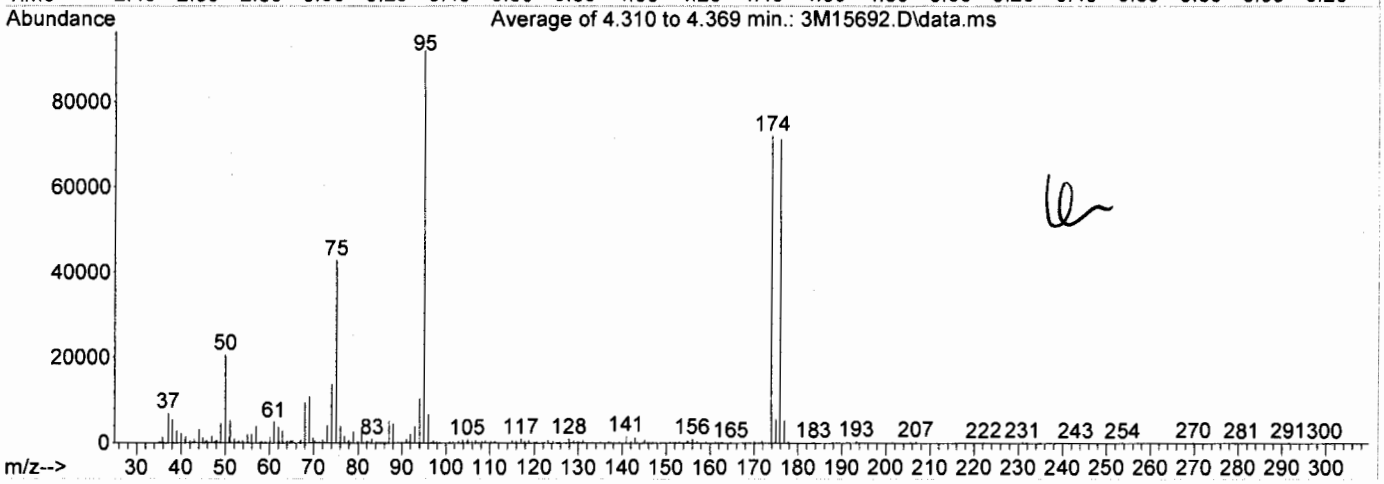
Data Path : G:\GcMsData\2012\gcms_3\Data\08-01-12\
Data File : 3M15692.D
Acq On : 1 Aug 2012 7:12
Operator : WP
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2012\GCMS_3\METHODQT\3M_A0725.M
Title : @GCMS_3,ug,624,8260
Last Update : Thu Jul 26 10:55:03 2012





Spectrum Information: Average of 4.310 to 4.369 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.4	20662	PASS
75	95	30	60	46.6	42879	PASS
95	95	100	100	100.0	92069	PASS
96	95	5	9	7.4	6772	PASS
173	174	0.00	2	0.4	259	PASS
174	95	50	100	78.3	72118	PASS
175	174	5	9	7.8	5654	PASS
176	174	95	101	98.7	71174	PASS
177	176	5	9	7.5	5313	PASS

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_1

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	1M87094.	CAL @ 20 PPB	07/10/12 16:09	2	1M87089.	CAL @ 5 PPB	07/10/12 14:41
3	1M87095.	CAL @ 10 PPB	07/10/12 16:27	4	1M87093.	CAL @ 50 PPB	07/10/12 15:52
5	1M87092.	CAL @ 100 PPB	07/10/12 15:34	6	1M87091.	CAL @ 250 PPB	07/10/12 15:16
7	1M87090.	CAL @ 500 PPB	07/10/12 14:59	8	1M87097.	CAL @ 1 PPB	07/10/12 17:02
9	1M87088.	CAL @ 0.5 PPB	07/10/12 14:22				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Chlorodifluoromethane	1	0	Avg	0.4837	0.5265	0.4483	0.4608	0.4898	0.4557	0.4457	0.5508	-----	0.483	1.36	1.00	1.00	8.0		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dichlorodifluoromethan	1	0	Avg	0.2979	0.2925	0.2969	0.3102	0.3270	0.3173	0.3648	0.3113	-----	0.315	1.33	0.996	1.00	7.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloromethane	1	0	Avg	0.2462	0.2539	0.2432	0.2536	0.2588	0.2552	0.2630	0.3325	-----	0.263	1.50	1.00	1.00	11	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromomethane	1	0	Avg	0.1524	0.1501	0.1421	0.1394	0.1373	0.1099	-----	0.1423	-----	0.139	1.75	0.990	1.00	10		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Vinyl Chloride	1	0	Avg	0.2146	0.2196	0.1972	0.1983	0.2081	0.2084	0.2023	0.2234	-----	0.209	1.51	1.00	1.00	4.6	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloroethane	1	0	Avg	0.0987	0.1104	0.1004	0.0959	0.0948	0.0933	0.0865	0.1030	-----	0.0979	1.81	0.999	1.00	7.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichlorofluoromethane	1	0	Avg	0.2870	0.2909	0.2795	0.2772	0.2799	0.2668	0.2664	0.3143	-----	0.283	2.00	1.00	1.00	5.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl ether	1	0	Avg	0.2108	0.1912	0.2176	0.2318	0.2297	0.2177	0.1995	0.1897	-----	0.211	2.21	0.998	1.00	7.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Furan	1	0	Avg	0.5567	0.5529	0.5596	0.5781	0.5795	0.5427	0.5052	0.5647	-----	0.555	2.23	0.998	1.00	4.2		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.2-Trichloro-1.2.2-tri	1	0	Avg	0.2463	0.2140	0.2253	0.2349	0.2220	0.2071	0.2091	0.3030	-----	0.233	2.38	1.00	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methylene Chloride	1	0	Avg	0.3193	0.3062	0.3113	0.2901	0.2988	0.3045	0.2884	0.3154	-----	0.304	2.71	0.999	1.00	3.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acrolein	1	0	Avg	0.0365	0.0313	0.0342	0.0362	0.0385	0.0374	0.0353	0.0239	-----	0.0342	2.29	0.999	1.00	14		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Acrylonitrile	1	0	LinF	0.1014	0.0840	0.0981	0.1029	0.1034	0.1032	0.1001	0.0554	-----	0.0936	2.88	1.00	1.00	18		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Iodomethane	1	0	Avg	0.4240	0.3943	0.4154	0.4238	0.4078	0.4064	0.4078	0.3019	-----	0.398	2.49	1.00	1.00	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acetone	1	0	Avg	0.0973	0.1000	0.0899	0.0902	0.0955	0.0884	0.0777	0.1269	-----	0.0958	2.40	0.995	1.00	15		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Carbon Disulfide	1	0	Avg	0.7109	0.5061	0.6967	0.7381	0.7586	0.7288	0.6964	0.9103	-----	0.718	2.55	0.999	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
t-Butyl Alcohol	1	0	LinF	0.0264	0.0180	0.0224	0.0250	0.0261	0.0268	0.0249	0.0154	-----	0.0232	2.79	0.999	1.00	18		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
n-Hexane	1	0	Avg	0.1978	0.1607	0.1834	0.1976	0.1874	0.1895	0.1875	0.2308	-----	0.192	3.15	1.00	1.00	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Di-isopropyl-ether	1	0	Avg	0.9544	0.8224	0.9125	0.9600	0.9325	0.9163	0.7888	0.7783	-----	0.883	3.30	0.994	1.00	8.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1-Dichloroethene	1	0	Avg	0.4506	0.4086	0.3980	0.4124	0.4255	0.4206	0.3837	0.4148	-----	0.414	2.38	0.998	1.00	4.8	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl Acetate	1	0	Avg	0.3162	0.3217	0.3192	0.3317	0.3397	0.3206	0.2945	0.2965	-----	0.318	2.63	0.998	1.00	4.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl-t-butyl ether	1	0	Avg	0.6644	0.6123	0.6384	0.6890	0.6861	0.6496	0.5975	0.5464	0.7011	0.643	2.94	0.998	1.00	7.8		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
1.1-Dichloroethane	1	0	Avg	0.5523	0.4874	0.4886	0.5386	0.5351	0.5249	0.4848	0.4600	-----	0.509	3.25	0.998	1.00	6.5	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1.2-Dichloroether	1	0	Avg	0.2835	0.2422	0.2647	0.2804	0.2765	0.2705	0.2461	0.2402	-----	0.263	2.94	0.998	1.00	6.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1.2-Dichloroethene	1	0	Avg	0.5521	0.4735	0.5109	0.5433	0.5393	0.5449	0.4915	0.5195	-----	0.522	3.72	0.997	1.00	5.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromochloromethane	1	0	Avg	0.2738	0.2669	0.2674	0.2710	0.2679	0.2727	0.2464	0.2628	-----	0.266	3.89	0.998	1.00	3.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2.2-Dichloropropane	1	0	LinF	0.2965	0.2301	0.2664	0.3110	0.3085	0.3378	0.3187	0.1553	-----	0.278	3.73	0.999	1.00	22		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl acetate	1	0	Avg	0.4735	0.4369	0.4450	0.4760	0.4658	0.4440	0.4082	0.3767	-----	0.441	3.77	0.998	1.00	7.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.4-Dioxane	1	0	Avg	0.0041	0.0038	0.0038	0.0039	0.0039	0.0036	0.0033	0.0028	-----	0.00368	4.95	0.998	1.00	12		1000.	250.0	500.0	2500.	5000.	1250	2500	50.00	
1.1-Dichloropropene	1	0	Avg	0.3969	0.3710	0.3783	0.3952	0.3867	0.3643	0.3381	0.3440	-----	0.372	4.21	0.998	1.00	5.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloroform	1	0	Avg	0.5797	0.5212	0.5430	0.5485	0.5279	0.5420	0.5122	0.5237	-----	0.537	3.95	0.999	1.00	3.9	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromofluoromethane	1	0	Avg	0.2959	0.2811	0.2926	0.2911	0.2935	0.2930	0.2909	0.2613	0.2668	0.285	4.06	-1	-1	4.5		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Cyclohexane	1	0	Avg	0.3507	0.2784	0.3449	0.3360	0.3158	0.3340	0.3065	0.2476	-----	0.314	4.15	0.998	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichloroethane-d4	1	0	Avg	0.1772	0.1775	0.1725	0.1783	0.1698	0.1683	0.1715	0.1642	0.1714	0.172	4.30	-1	-1	2.7		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
1.2-Dichloroethane	1	0	Avg	0.4693	0.4264	0.4691	0.4578	0.4279	0.3929	0.3683	0.5158	0.5490	0.453	4.35	0.998	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
2-Butanone	1	0	Avg	0.1235	0.1107	0.1124	0.1309	0.1296	0.1315	0.1171	0.1260	-----	0.123	3.72	0.997	1.00	6.8		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.1-Trichloroethane	1	0	Avg	0.4077	0.3638	0.3812	0.3897	0.4005	0.4085	0.3860	0.3532	-----	0.386	4.10	0.999	1.00	5.2		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Carbon Tetrachloride	1	0	Avg	0.3113	0.2621	0.2896	0.2949	0.2936	0.3076	0.2956	0.2179	-----	0.284	4.22	1.00	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Vinyl Acetate	1	0	Avg	0.7298	0.6274	0.6614	0.7593	0.7479	0.7388	0.6690	0.5281	-----	0.683	3.30	0.997	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromodichloromethane	1	0	Avg	0.4129	0.3046	0.3681	0.4163	0.4256	0.4255	0.4183	0.2973	-----	0.384	5.03	1.00	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methylcyclohexane	1	0	Avg	0.2965	0.2380	0.3070	0.2800	0.2798	0.2631	0.2387	0.2412	-----	0.268	4.88	0.997	1.00	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Flags
a - failed the spcc criteria ** - ccc compound*
b - failed the ccc criteria *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 11.9
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_1

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	1M87094.	CAL @ 20 PPB	07/10/12 16:09	2	1M87089.	CAL @ 5 PPB	07/10/12 14:41
3	1M87095.	CAL @ 10 PPB	07/10/12 16:27	4	1M87093.	CAL @ 50 PPB	07/10/12 15:52
5	1M87092.	CAL @ 100 PPB	07/10/12 15:34	6	1M87091.	CAL @ 250 PPB	07/10/12 15:16
7	1M87090.	CAL @ 500 PPB	07/10/12 14:59	8	1M87097.	CAL @ 1 PPB	07/10/12 17:02
9	1M87088.	CAL @ 0.5 PPB	07/10/12 14:22				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Dibromomethane	1	0	Avg	0.2577	0.2301	0.2369	0.2367	0.2413	0.2245	0.2165	0.2071	-----	0.231	4.95	0.999	1.00	6.8		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichloropropane	1	0	LinF	0.3310	0.2979	0.3223	0.3263	0.3161	0.2917	0.2652	0.3123	-----	0.308	4.88	0.997	1.00	7.1	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichloroethene	1	0	Avg	0.3560	0.3165	0.3542	0.3316	0.3308	0.3244	0.3031	0.3103	-----	0.328	4.74	0.999	1.00	5.8		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Benzene	1	0	Avg	1.1591	1.0517	1.1012	1.1129	1.0200	0.9074	0.7884	1.0296	1.3095	1.05	4.35	0.993	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
tert-Amyl methyl ether	1	0	Avg	0.7664	0.6205	0.7460	0.7551	0.7914	0.7166	0.6085	0.6918	-----	0.712	4.40	0.992	1.00	9.5		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Iso-propylacetate	1	0	Avg	0.8541	0.8852	0.8317	0.8804	0.9742	0.7786	0.7204	0.7206	-----	0.831	4.37	0.995	0.998	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl methacrylate	1	0	Avg	0.2735	0.2840	0.2610	0.2856	0.3161	0.2848	0.2684	0.2267	-----	0.275	4.93	0.998	1.00	9.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromochloromethane	1	0	LinF	0.3703	0.2968	0.3459	0.3530	0.4551	0.4182	0.3963	0.2575	-----	0.362	5.99	0.998	0.999	18		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Chloroethylvinylether	1	0	LinF	0.1970	0.1869	0.1842	0.2055	0.2472	0.2184	0.2254	0.1131	-----	0.197	5.20	0.999	0.999	20		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1,3-Dichloropropene	1	0	Avg	0.5485	0.4674	0.4886	0.5825	0.6482	0.5560	0.5327	0.3894	-----	0.527	5.30	0.998	0.999	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1,3-Dichloroprope	1	0	LinF	0.5013	0.3273	0.4551	0.5299	0.6275	0.5281	0.5207	0.3584	-----	0.481	5.62	0.998	0.999	20		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl methacrylate	1	0	LinF	0.2802	0.2732	0.2613	0.2976	0.3457	0.2729	0.2795	0.1873	-----	0.275	5.66	0.997	0.998	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,1,2-Trichloroethane	1	0	Avg	0.3589	0.3569	0.3855	0.3745	0.4133	0.3499	0.3248	0.3067	-----	0.359	5.73	0.997	0.999	9.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2-Dibromoethane	1	0	Avg	0.3259	0.3524	0.3557	0.3908	0.3881	0.3792	0.3789	0.3068	-----	0.360	6.07	1.00	1.00	8.5		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,3-Dichloropropane	1	0	Avg	0.5915	0.6329	0.5022	0.4392	0.6549	0.5018	-----	0.6375	-----	0.566	5.84	0.984	0.991	15		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
4-Methyl-2-Pentanone	1	0	Avg	0.3996	0.3811	0.4060	0.4049	0.4612	0.3922	0.3900	0.2854	-----	0.390	5.38	0.999	0.999	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Hexanone	1	0	LinF	0.2683	0.2359	0.2722	0.2928	0.3415	0.2707	0.2806	0.1623	-----	0.266	5.87	0.998	0.998	19		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Tetrachloroethene	1	0	Avg	0.3391	0.3409	0.3009	0.2788	0.3403	0.2827	0.2572	0.3792	-----	0.315	5.85	0.995	0.999	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Toluene-d8	1	0	Avg	1.2928	1.5797	1.2886	1.3272	1.3901	1.2479	1.2887	1.1660	1.3375	1.32	5.48	-1	-1	8.6		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Toluene	1	0	Avg	0.8745	0.9948	0.9281	0.8850	0.9647	0.7422	0.6859	1.0162	-----	0.886	5.52	0.994	0.998	13	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,1,1,2-Tetrachloroetha	1	0	LinF	0.3581	0.3464	0.3439	0.3625	0.4129	0.2868	0.3216	0.2301	-----	0.333	6.39	0.993	0.993	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chlorobenzene	1	0	Avg	1.0762	1.1704	0.9597	1.0254	1.1516	0.8853	0.8323	1.2204	-----	1.04	6.35	0.995	0.998	13	**(0.300)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Butyl acrylate	1	0	LinF	1.1041	0.8490	1.1564	1.1224	1.1546	1.2409	1.0686	0.6631	-----	1.04	6.65	0.994	0.999	18		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Amyl acetate	1	0	Avg	1.5329	1.3842	1.5333	1.4763	1.5587	1.5205	1.3164	1.1594	-----	1.44	6.78	0.994	1.00	9.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromoform	1	0	Lin	0.4193	0.3191	0.4281	0.4319	0.5596	0.5520	-----	0.3100	-----	0.431	6.84	0.998	0.998	23	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Ethylbenzene	1	0	Avg	0.6793	0.6982	0.8857	0.6843	0.7842	0.5709	-----	0.6615	-----	0.709	6.41	0.979	0.997	14	*(30)	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1,1,2,2-Tetrachloroetha	1	0	Avg	0.9606	0.9747	1.1370	0.9367	1.0711	0.9664	0.8605	0.8175	-----	0.966	7.09	0.995	1.00	11	**(0.300)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromofluorobenzene	1	0	Avg	0.7585	0.8108	0.8636	0.6668	0.6914	0.7876	0.8198	0.7914	0.8032	0.777	7.03	-1	-1	8.0		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Styrene	1	0	LinF	1.9438	1.3765	2.1552	1.6957	1.9269	1.6369	-----	1.3013	-----	1.72	6.72	0.995	0.999	18		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
m&p-Xylenes	1	0	Avg	1.0560	0.8919	1.0244	0.8509	0.9744	0.8897	0.6976	1.1369	0.9662	0.943	6.48	0.983	0.999	14		40.00	10.00	20.00	100.0	200.0	500.0	1000.	2.00	1.00
o-Xylene	1	0	LinF	1.1096	0.8679	1.2985	0.9656	1.0651	0.9506	-----	0.8328	-----	1.01	6.72	0.998	0.999	16		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
trans-1,4-Dichloro-2-bu	1	0	LinF	0.3001	0.2300	0.3084	0.2830	0.3182	0.3093	-----	0.1949	-----	0.278	7.12	0.999	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1,3-Dichlorobenzene	1	0	Avg	1.1551	1.3886	1.8052	1.3867	1.3250	1.3541	-----	1.4991	-----	1.42	7.72	0.999	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1,4-Dichlorobenzene	1	0	LinF	1.6223	1.5395	1.4664	1.3920	1.5270	1.3108	1.1516	2.1635	-----	1.52	7.77	0.994	1.00	20		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2-Dichlorobenzene	1	0	Avg	1.5657	1.4942	1.5346	1.1642	1.5142	1.2384	1.1202	1.6934	-----	1.42	8.01	0.994	0.998	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Isopropylbenzene	1	0	Avg	2.3487	1.9158	2.9756	2.3674	2.5350	2.4151	-----	1.9421	-----	2.36	6.93	0.999	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Cyclohexanone	1	0	Avg	0.0549	0.0539	0.0563	0.0437	0.0579	0.0547	0.0489	0.0455	-----	0.0520	6.99	0.996	0.999	10		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Camphene	1	0	Avg	0.5390	0.4269	0.6010	0.4899	0.5264	0.4946	0.3610	0.5404	-----	0.497	7.12	0.971	0.999	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,3-Trichloropropane	1	0	Avg	1.0888	0.9207	1.1957	1.0375	1.0931	1.0118	0.7295	1.0050	-----	1.01	7.13	0.968	0.999	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Chlorotoluene	1	0	Avg	1.4716	1.5581	1.7802	1.3168	1.6348	1.2991	-----	1.6397	-----	1.53	7.25	0.990	0.996	12		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
p-Ethyltoluene	1	0	Qua	2.6717	2.8695	3.3180	2.4543	2.9363	2.5769	1.8617	3.1344	-----	2.73	7.25	0.966	0.999	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Avg Rsd: 11.9

Flags
a - failed the spcc criteria — ** - ccc compound*
b - failed the ccc criteria — *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note:
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

2072508 0103

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_1

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	1M87094.	CAL @ 20 PPB	07/10/12 16:09	2	1M87089.	CAL @ 5 PPB	07/10/12 14:41
3	1M87095.	CAL @ 10 PPB	07/10/12 16:27	4	1M87093.	CAL @ 50 PPB	07/10/12 15:52
5	1M87092.	CAL @ 100 PPB	07/10/12 15:34	6	1M87091.	CAL @ 250 PPB	07/10/12 15:16
7	1M87090.	CAL @ 500 PPB	07/10/12 14:59	8	1M87097.	CAL @ 1 PPB	07/10/12 17:02
9	1M87088.	CAL @ 0.5 PPB	07/10/12 14:22				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
4-Chlorotoluene	1	0	Avg	1.5627	1.3635	1.8296	1.5273	1.5935	1.3926	1.1797	1.7046	-----	1.52	7.32	0.991	1.00	13	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Propylbenzene	1	0	Avg	3.1354	2.6393	3.5326	2.8002	2.9927	2.6153	2.2092	2.5851	-----	2.81	7.18	0.991	1.00	14	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromobenzene	1	0	Avg	1.8518	1.3250	2.1238	1.5600	1.5739	1.6382	-----	1.8887	-----	1.71	7.14	0.999	1.00	15	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1,3,5-Trimethylbenzene	1	0	Avg	1.7420	1.4802	1.7525	1.6836	1.6642	1.6200	-----	1.9488	-----	1.70	7.28	1.00	1.00	8.4	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Butyl methacrylate	1	0	Avg	1.5510	1.1946	1.6190	1.4911	1.3592	1.4644	1.0324	1.2502	-----	1.37	7.30	0.966	0.997	15	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
t-Butylbenzene	1	0	Avg	1.5653	1.5223	1.7600	1.6788	1.9052	1.6627	1.3172	1.7669	-----	1.65	7.49	0.982	1.00	11	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,4-Trimethylbenzene	1	0	LinF	2.2660	1.5715	2.3510	2.0394	2.2551	1.6642	1.6634	2.1619	-----	2.00	7.51	0.995	0.996	16	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
sec-Butylbenzene	1	0	Avg	2.3118	1.6145	2.0273	2.0420	2.2930	1.9267	1.7486	1.9846	-----	1.99	7.62	0.995	0.999	12	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Isopropyltoluene	1	0	Avg	1.3244	1.5795	2.1166	1.6579	1.6088	1.6846	-----	1.6346	-----	1.66	7.70	0.999	1.00	14	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
n-Butylbenzene	1	0	LinF	1.9296	1.3196	2.4778	1.9564	1.8159	1.9969	-----	2.0849	-----	1.94	7.97	0.998	0.999	18	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
p-Diethylbenzene	1	0	Qua	0.8246	0.7054	1.2304	1.0106	1.0640	1.0469	0.8490	0.8568	-----	0.949	7.95	0.988	0.999	18	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,4,5-Tetramethylber	1	0	Avg	1.7349	1.4630	1.7030	1.6160	1.9726	1.9119	1.6075	1.6656	-----	1.71	8.45	0.991	0.999	9.7	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2-Dibromo-3-Chlorop	1	0	Lin	0.1410	0.0910	0.1524	0.1474	0.1528	0.1965	0.1705	0.0920	-----	0.143	8.50	0.994	0.996	25	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Camphor	1	0	Qua	0.0759	0.0537	0.0707	0.0764	0.0795	0.0808	0.0543	0.0544	0.0399	0.0651	8.98	0.956	0.997	23	200.0	50.00	100.0	500.0	1000.	2500.	5000.	10.00	5.00
Hexachlorobutadiene	1	0	LinF	0.2604	0.2012	0.3441	0.1705	0.1738	0.2437	0.2155	0.3224	-----	0.242	9.14	0.993	0.994	27	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,4-Trichlorobenzene	1	0	LinF	0.7473	0.6875	1.0951	0.6401	0.8037	0.6921	0.7362	1.0718	-----	0.809	9.05	0.998	0.999	22	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,3-Trichlorobenzene	1	0	Avg	0.7386	0.6659	0.9757	0.7259	0.8300	0.8323	0.6341	0.9047	-----	0.788	9.37	0.980	0.998	15	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Naphthalene	1	0	Avg	2.5756	1.9613	2.4494	2.3830	2.6823	2.2481	1.7126	2.2783	-----	2.29	9.22	0.974	1.00	14	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Flags

a - failed the spcc criteria — ** - ccc compound*

b - failed the ccc criteria — *** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 11.9

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

0072508 0104

0072508 0105

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_3

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	3M15364.	CAL @ 20 PPB	07/26/12 10:24	2	3M15359.	CAL @ 5 PPB	07/26/12 09:06
3	3M15365.	CAL @ 10 PPB	07/26/12 10:40	4	3M15363.	CAL @ 50 PPB	07/26/12 10:09
5	3M15362.	CAL @ 100 PPB	07/26/12 09:53	6	3M15361.	CAL @ 250 PPB	07/26/12 09:38
7	3M15360.	CAL @ 500 PPB	07/26/12 09:22	8	3M15357.	CAL @ 1 PPB	07/26/12 08:31
9	3M15358.	CAL @ 0.5 PPB	07/26/12 08:51				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd	Flag	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Chlorodifluoromethane	1	0	Avg	0.6510	0.6454	0.6766	0.6647	0.6212	0.6102	0.5063	0.7438	-----	0.640	1.32	0.991	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dichlorodifluoromethan	1	0	Avg	0.4004	0.4835	0.4446	0.4212	0.4185	0.4155	0.4230	0.4675	-----	0.434	1.31	1.00	1.00	6.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloromethane	1	0	Avg	0.4436	0.4706	0.4519	0.3800	0.4041	0.4193	0.4105	0.4167	-----	0.425	1.44	1.00	1.00	6.9	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromomethane	1	0	Avg	0.2140	0.2314	0.2362	0.2175	0.2254	0.2075	-----	0.2954	-----	0.233	1.74	0.999	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Vinyl Chloride	1	0	Avg	0.3314	0.3649	0.4070	0.3729	0.3649	0.3539	0.3095	0.3694	-----	0.359	1.51	0.995	1.00	8.1	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloroethane	1	0	LinF	0.2298	0.2889	0.2605	0.2030	0.2047	0.2050	0.1864	0.4018	-----	0.248	1.81	0.998	1.00	29		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichlorofluoromethane	1	0	Avg	0.4388	0.5299	0.5134	0.4356	0.4340	0.4556	0.4578	0.4997	-----	0.471	1.99	1.00	1.00	8.1		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl ether	1	0	Avg	0.1904	0.1840	0.2004	0.1916	0.1978	0.1995	0.1841	0.1571	-----	0.188	2.20	0.998	1.00	7.5		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Furan	1	0	Avg	0.5003	0.5876	0.5631	0.5070	0.5289	0.5243	0.4933	0.5124	-----	0.527	2.23	0.999	1.00	6.2		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.2-Trichloro-1.2.2-tri	1	0	Avg	0.2077	0.2336	0.2380	0.1991	0.2064	0.2034	0.1901	0.2065	-----	0.211	2.37	0.999	1.00	7.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methylene Chloride	1	0	Avg	0.2592	0.2950	0.2677	0.2493	0.2528	0.2537	0.2448	0.2897	-----	0.264	2.73	1.00	1.00	7.1		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acrolein	1	0	Avg	0.0183	0.0210	0.0200	0.0211	0.0216	0.0212	0.0210	0.0231	-----	0.0210	2.31	1.00	1.00	6.4		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Acrylonitrile	1	0	Avg	0.0674	0.0772	0.0706	0.0667	0.0709	0.0681	0.0656	0.0875	-----	0.0718	2.92	1.00	1.00	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Iodomethane	1	0	Avg	0.3303	0.2852	0.3536	0.3457	0.3477	0.3446	0.3093	0.2371	-----	0.319	2.49	0.997	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acetone	1	0	Lin	0.0644	0.0759	0.0674	0.0594	0.0611	0.0616	0.0601	0.1322	-----	0.0728	2.41	1.00	1.00	34		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Carbon Disulfide	1	0	Avg	0.6286	0.6786	0.6755	0.6230	0.6537	0.6780	0.6530	0.6861	-----	0.660	2.55	1.00	1.00	3.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
t-Butyl Alcohol	1	0	LinF	0.0145	0.0133	0.0138	0.0133	0.0147	0.0155	0.0156	0.0074	-----	0.0135	2.81	1.00	1.00	19		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
n-Hexane	1	0	Avg	0.1582	0.1444	0.1601	0.1537	0.1524	0.1581	0.1478	0.1451	-----	0.153	3.13	0.999	1.00	4.1		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Di-isopropyl-ether	1	0	Avg	0.8101	0.7442	0.8117	0.8137	0.8239	0.8138	0.7417	0.5818	-----	0.768	3.30	0.998	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1-Dichloroethene	1	0	Avg	0.3961	0.3967	0.4188	0.3776	0.3795	0.3865	0.3604	0.4093	-----	0.391	2.37	0.999	1.00	4.8	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl Acetate	1	0	Avg	0.2193	0.2262	0.2179	0.1983	0.2185	0.2174	0.2224	0.2637	-----	0.223	2.65	1.00	1.00	8.2		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl-t-butyl ether	1	0	Avg	0.5445	0.4939	0.5555	0.5305	0.5582	0.5462	0.4916	0.4792	0.6405	0.538	2.93	0.997	1.00	9.0		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
1.1-Dichloroethane	1	0	Avg	0.4513	0.4825	0.5037	0.4488	0.4668	0.4673	0.4420	0.4985	-----	0.470	3.27	0.999	1.00	4.9	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1.2-Dichloroether	1	0	Avg	0.2349	0.2431	0.2559	0.2287	0.2301	0.2262	0.2078	0.2217	-----	0.231	2.94	0.998	1.00	6.2		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1.2-Dichloroethene	1	0	Avg	0.4179	0.4342	0.4322	0.4114	0.4230	0.4155	0.3733	0.4286	-----	0.417	3.73	0.997	1.00	4.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromochloromethane	1	0	Avg	0.2163	0.2305	0.2301	0.2156	0.2134	0.2119	0.2004	0.2368	-----	0.219	3.91	0.999	1.00	5.5		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2.2-Dichloropropane	1	0	Avg	0.3149	0.3640	0.3322	0.3168	0.3371	0.3402	0.3205	0.2897	-----	0.327	3.73	0.999	1.00	6.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl acetate	1	0	Avg	0.2973	0.3035	0.2989	0.2955	0.3099	0.3084	0.3057	0.2333	-----	0.294	3.78	1.00	1.00	8.5		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.4-Dioxane	1	0	Avg	0.0021	0.0017	0.0021	0.0020	0.0022	0.0021	0.0020	0.0015	-----	0.00201	4.95	0.998	1.00	11		1000.	250.0	500.0	2500.	5000.	1250	2500	50.00	
1.1-Dichloropropene	1	0	Avg	0.3402	0.3490	0.3753	0.3351	0.3423	0.3313	0.2918	0.2654	-----	0.329	4.21	0.996	1.00	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloroform	1	0	Avg	0.4646	0.5047	0.5052	0.4546	0.4709	0.4756	0.4499	0.5547	-----	0.485	3.97	0.999	1.00	7.2	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromofluoromethane	1	0	Avg	0.3039	0.3186	0.2869	0.2859	0.3044	0.3057	0.2988	0.3217	0.3269	0.306	4.08	-1	-1	4.7		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Cyclohexane	1	0	Avg	0.2912	0.2718	0.3142	0.2966	0.3065	0.3021	0.2782	0.2972	-----	0.295	4.13	0.998	1.00	4.8		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichloroethane-d4	1	0	Avg	0.1729	0.1830	0.1725	0.1697	0.1664	0.1742	0.1744	0.1819	0.1859	0.176	4.30	-1	-1	3.7		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
1.2-Dichloroethane	1	0	LinF	0.3822	0.4649	0.4168	0.3789	0.3818	0.3726	0.3400	0.4458	0.7226	0.434	4.35	0.998	1.00	26		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
2-Butanone	1	0	LinF	0.0747	0.0496	0.0709	0.0775	0.0883	0.0891	0.0854	0.0744	-----	0.0763	3.74	0.999	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.1-Trichloroethane	1	0	Avg	0.3706	0.4282	0.4002	0.3717	0.3929	0.3943	0.3722	0.3841	-----	0.389	4.09	0.999	1.00	5.0		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Carbon Tetrachloride	1	0	Avg	0.3249	0.3833	0.3382	0.3083	0.3243	0.3200	0.2938	0.3644	-----	0.332	4.21	0.998	1.00	8.8		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Vinyl Acetate	1	0	Avg	0.5631	0.5748	0.6081	0.5969	0.6208	0.6038	0.5545	0.5259	-----	0.581	3.30	0.998	1.00	5.5		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromodichloromethane	1	0	Avg	0.3588	0.3556	0.3859	0.3668	0.3834	0.3970	0.3792	0.3730	-----	0.375	5.03	0.999	1.00	3.8		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methylcyclohexane	1	0	Avg	0.2165	0.1795	0.2324	0.2139	0.2246	0.2246	0.2061	0.1688	-----	0.208	4.85	0.998	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Flags
a - failed the spcc criteria   ** - ccc compound*
b - failed the ccc criteria   *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 11.5
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_3

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	3M15364.	CAL @ 20 PPB	07/26/12 10:24	2	3M15359.	CAL @ 5 PPB	07/26/12 09:06
3	3M15365.	CAL @ 10 PPB	07/26/12 10:40	4	3M15363.	CAL @ 50 PPB	07/26/12 10:09
5	3M15362.	CAL @ 100 PPB	07/26/12 09:53	6	3M15361.	CAL @ 250 PPB	07/26/12 09:38
7	3M15360.	CAL @ 500 PPB	07/26/12 09:22	8	3M15357.	CAL @ 1 PPB	07/26/12 08:31
9	3M15358.	CAL @ 0.5 PPB	07/26/12 08:51				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Dibromomethane	1	0	Avg	0.1823	0.1972	0.1925	0.1819	0.1899	0.1851	0.1724	0.1946	-----	0.187	4.95	0.999	1.00	4.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichloropropane	1	0	Avg	0.2574	0.2657	0.2749	0.2579	0.2617	0.2575	0.2381	0.2516	-----	0.258	4.88	0.998	1.00	4.1	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichloroethene	1	0	Avg	0.2676	0.2536	0.2892	0.2605	0.2649	0.2719	0.2465	0.2403	-----	0.262	4.73	0.998	1.00	5.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Benzene	1	0	LinF	0.9148	0.9547	1.0115	0.9093	0.9200	0.9058	0.8027	0.8223	1.3196	0.951	4.35	0.996	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
tert-Amyl methyl ether	1	0	Avg	0.5361	0.5078	0.5761	0.5660	0.5808	0.5726	0.5252	0.3837	-----	0.531	4.40	0.998	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Iso-propylacetate	1	0	Avg	0.6850	0.6186	0.7334	0.7076	0.7286	0.7131	0.6696	0.4584	-----	0.664	4.37	0.999	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl methacrylate	1	0	Avg	0.2367	0.1829	0.2444	0.2266	0.2411	0.2463	0.2390	0.1577	-----	0.222	4.92	1.00	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromochloromethane	1	0	Avg	0.3570	0.3702	0.3841	0.3600	0.3742	0.3906	0.3823	0.3261	-----	0.368	5.98	1.00	1.00	5.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Chloroethylvinylether	1	0	LinF	0.1882	0.1452	0.1820	0.1951	0.2024	0.2121	0.2065	0.0712	-----	0.175	5.20	1.00	1.00	27		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1.3-Dichloropropene	1	0	Avg	0.5337	0.4774	0.5527	0.5549	0.5587	0.5795	0.5509	0.3714	-----	0.522	5.30	0.999	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1.3-Dichloroprope	1	0	Avg	0.4592	0.4150	0.5167	0.4974	0.5249	0.5368	0.5256	0.3614	-----	0.480	5.63	1.00	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl methacrylate	1	0	LinF	0.2596	0.1933	0.2565	0.2603	0.2682	0.2673	0.2612	0.1609	-----	0.241	5.66	1.00	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.2-Trichloroethane	1	0	Avg	0.3032	0.3110	0.3166	0.2810	0.2885	0.2847	0.2710	0.3461	-----	0.300	5.74	0.999	1.00	8.1		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dibromoethane	1	0	Avg	0.3123	0.2995	0.3320	0.3092	0.3156	0.3231	0.3128	0.3071	-----	0.314	6.06	1.00	1.00	3.2		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.3-Dichloropropane	1	0	Avg	0.5324	0.5732	0.5903	0.5190	0.5176	0.4980	0.4604	0.4128	-----	0.513	5.84	0.998	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Methyl-2-Pentanone	1	0	Avg	0.2833	0.2480	0.2770	0.2916	0.3091	0.3131	0.3155	0.3075	-----	0.293	5.38	1.00	1.00	7.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Hexanone	1	0	LinF	0.1710	0.1273	0.1600	0.1953	0.2100	0.2135	0.2154	0.0260	-----	0.165	5.87	1.00	1.00	39		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Tetrachloroethene	1	0	Avg	0.2928	0.2760	0.3263	0.2709	0.2693	0.2662	0.2356	0.2625	-----	0.275	5.83	0.996	1.00	9.5		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Toluene-d8	1	0	Avg	1.3996	1.3675	1.3923	1.3790	1.3351	1.3547	1.3725	1.3963	1.3760	1.37	5.46	-1	-1	1.5		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Toluene	1	0	Avg	0.7958	0.8099	0.8716	0.7881	0.7893	0.7759	0.7026	0.7526	-----	0.786	5.50	0.998	1.00	6.1	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.1.2-Tetrachloroetha	1	0	Avg	0.3239	0.3560	0.3659	0.3181	0.3288	0.3098	0.2809	0.3454	-----	0.329	6.39	0.997	1.00	8.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chlorobenzene	1	0	Avg	0.8949	0.9250	0.9922	0.8650	0.8788	0.8681	0.7943	0.9815	-----	0.900	6.34	0.998	1.00	7.2	**(0.300)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Butyl acrylate	1	0	LinF	0.9149	0.7001	0.8690	1.0901	1.1478	1.2775	1.1726	0.3666	-----	0.942	6.63	0.998	0.999	32		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Amyl acetate	1	0	LinF	1.2085	1.0376	1.2232	1.2987	1.3612	1.4268	1.3353	0.3419	-----	1.15	6.77	0.999	1.00	30		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromoform	1	0	Avg	0.3963	0.3981	0.4299	0.4324	0.4661	0.5134	0.5004	0.3955	-----	0.442	6.84	1.00	1.00	11	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethylbenzene	1	0	Avg	0.6542	0.6204	0.6621	0.6435	0.6454	0.6178	0.5057	0.6261	-----	0.622	6.39	0.989	1.00	8.0	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.2.2-Tetrachloroetha	1	0	Avg	0.6394	0.7209	0.6605	0.6899	0.6888	0.7023	0.6377	0.7611	-----	0.688	7.09	0.998	1.00	6.1	**(0.300)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromofluorobenzene	1	0	Avg	0.8750	0.8606	0.8847	0.9051	0.8901	0.9398	0.8850	0.8499	0.8661	0.884	7.02	-1	-1	3.0		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Styrene	1	0	Avg	1.7760	1.7075	1.8420	1.7886	1.7910	1.7285	1.4253	1.1567	-----	1.65	6.71	0.990	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
m&p-Xylenes	1	0	LinF	0.9989	0.9440	1.0609	0.9842	0.9725	0.9321	0.7704	0.8853	1.3635	0.990	6.46	0.990	1.00	16		40.00	10.00	20.00	100.0	200.0	500.0	1000.	2.00	1.00
o-Xylene	1	0	Avg	1.0383	1.0203	1.0954	1.0167	0.9850	0.9816	0.8261	0.7469	-----	0.964	6.70	0.992	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1.4-Dichloro-2-bu	1	0	LinF	0.2003	0.1879	0.1424	0.1770	0.2903	0.2209	0.2726	0.0986	-----	0.199	7.12	0.991	0.995	32		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.3-Dichlorobenzene	1	0	Avg	1.1229	1.1497	1.2579	1.1445	1.1641	1.1828	1.0203	0.8481	-----	1.11	7.70	0.995	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.4-Dichlorobenzene	1	0	Avg	1.1696	1.3593	1.3176	1.1997	1.1876	1.2454	1.1051	1.3001	-----	1.24	7.75	0.997	0.999	6.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichlorobenzene	1	0	Avg	1.1021	1.1325	1.1578	1.1009	1.1451	1.1540	1.0386	1.2017	-----	1.13	7.99	0.997	1.00	4.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Isopropylbenzene	1	0	Avg	2.3272	2.0923	2.4567	2.3412	2.3553	2.4236	2.1014	1.6562	-----	2.22	6.92	0.995	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Cyclohexanone	1	0	Avg	0.0449	0.0444	0.0482	0.0390	0.0408	0.0487	0.0451	0.0590	-----	0.0463	6.99	0.998	0.998	13		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Camphene	1	0	Avg	0.4517	0.4506	0.4933	0.4619	0.4868	0.4955	0.4320	0.5082	-----	0.473	7.09	0.995	1.00	5.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.3-Trichloropropane	1	0	Avg	0.8195	0.7939	0.8525	0.8189	0.8509	0.8499	0.7626	1.1419	-----	0.861	7.13	0.997	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Chlorotoluene	1	0	Avg	1.4341	1.5819	1.6968	1.4994	1.4104	1.4040	1.1539	1.3090	-----	1.44	7.24	0.990	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
p-Ethyltoluene	1	0	LinF	2.3718	2.4081	2.7753	2.5921	2.3846	2.5384	-----	1.5691	-----	2.38	7.22	0.999	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0		1.00	

Avg Rsd: 11.5

Flags
a - failed the spcc criteria — ** - ccc compound*
b - failed the ccc criteria — *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note:
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

2072508 0106

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_3

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	3M15364.	CAL @ 20 PPB	07/26/12 10:24	2	3M15359.	CAL @ 5 PPB	07/26/12 09:06
3	3M15365.	CAL @ 10 PPB	07/26/12 10:40	4	3M15363.	CAL @ 50 PPB	07/26/12 10:09
5	3M15362.	CAL @ 100 PPB	07/26/12 09:53	6	3M15361.	CAL @ 250 PPB	07/26/12 09:38
7	3M15360.	CAL @ 500 PPB	07/26/12 09:22	8	3M15357.	CAL @ 1 PPB	07/26/12 08:31
9	3M15358.	CAL @ 0.5 PPB	07/26/12 08:51				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
4-Chlorotoluene	1	0	Avg	1.4234	1.4750	1.4905	1.4409	1.4710	1.5472	1.2954	0.9156	-----	1.38	7.30	0.992	0.999	15	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Propylbenzene	1	0	Avg	2.5386	2.4507	2.6506	2.6048	2.5732	2.6779	2.2765	2.0862	-----	2.48	7.16	0.993	0.999	8.2	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromobenzene	1	0	Avg	1.5162	1.6433	1.6069	1.5406	1.5073	1.5350	1.4630	1.6651	-----	1.56	7.13	0.999	1.00	4.6	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.3.5-Trimethylbenzene	1	0	Avg	1.8802	1.8380	1.8485	1.6453	1.7786	1.6141	1.4463	1.8014	-----	1.73	7.26	0.996	1.00	8.6	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Butyl methacrylate	1	0	Avg	1.3502	1.2656	1.3960	1.4264	1.4565	1.4643	1.2941	0.9956	-----	1.33	7.27	0.996	1.00	12	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
t-Butylbenzene	1	0	Avg	1.5131	1.4239	1.6580	1.5811	1.6179	1.6670	1.4674	1.1917	-----	1.52	7.47	0.996	1.00	10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.4-Trimethylbenzene	1	0	Avg	1.8936	1.8943	2.0249	1.9288	1.9473	2.0006	1.7358	1.3959	-----	1.85	7.49	0.995	1.00	11	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
sec-Butylbenzene	1	0	Avg	1.7512	1.6562	1.8742	1.8087	1.8627	1.9612	1.7145	1.3730	-----	1.75	7.60	0.996	0.999	10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Isopropyltoluene	1	0	Avg	1.4960	1.3681	1.6723	1.5369	1.5671	1.6079	1.3881	0.9992	-----	1.45	7.68	0.995	0.999	14	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Butylbenzene	1	0	LinF	1.5800	1.3608	1.7347	1.6111	1.6760	1.6956	1.4713	0.9591	-----	1.51	7.94	0.995	1.00	17	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
p-Diethylbenzene	1	0	LinF	0.7790	0.6336	0.7737	0.8080	0.8546	0.8746	0.7747	0.4494	-----	0.744	7.92	0.996	1.00	19	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.4.5-Tetramethylber	1	0	LinF	1.3049	0.8917	1.2806	1.4119	1.5353	1.6089	1.4291	0.8353	-----	1.29	8.42	0.996	0.999	22	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dibromo-3-Chlorop	1	0	Avg	0.1132	0.0882	0.1205	0.1222	0.1356	0.1450	0.1388	0.1462	-----	0.126	8.49	0.999	1.00	15	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Camphor	1	0	LinF	0.0454	0.0301	0.0438	0.0518	0.0564	0.0585	0.0536	0.0323	0.0583	0.0478	8.96	0.998	1.00	22	200.0	50.00	100.0	500.0	1000.	2500.	5000.	10.00	5.00
Hexachlorobutadiene	1	0	Avg	0.3141	0.2212	0.3362	0.3055	0.3157	0.2855	-----	0.2436	-----	0.289	9.11	0.998	1.00	14	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1.2.4-Trichlorobenzene	1	0	LinF	0.6437	0.4555	0.6137	0.6539	0.6757	0.6671	-----	0.3710	-----	0.583	9.02	1.00	1.00	21	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1.2.3-Trichlorobenzene	1	0	LinF	0.5794	0.3179	0.5613	0.5860	0.6300	0.5921	-----	0.1536	-----	0.489	9.35	0.999	1.00	37	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Naphthalene	1	0	LinF	1.4723	0.8174	1.3780	1.4947	1.6778	1.6315	-----	0.7431	-----	1.32	9.20	1.00	1.00	29	20.00	5.00	10.00	50.00	100.0	250.0		1.00	

Flags

a - failed the spcc criteria — ** - ccc compound*

b - failed the ccc criteria — *** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 11.5

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

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Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 1M88149.D **Instrument:** GCMS 1

Cont Calibration Date/Time 7/30/2012 9:20:00 A Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.51	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.36	8.49				0.483			
Dichlorodifluoromethane	1	0		1.33	14.66	20			0.315	0.231	26.72	
Chloromethane	1	0	CP	1.48	15.02	20	0.1		0.263	0.198	24.89	
Bromomethane	1	0		1.75	17.44	20			0.139	0.121	12.80	
Vinyl Chloride	1	0	CC	1.51	19.96	20	20		0.209	0.209	0.18	
Chloroethane	1	0		1.81	21.17	20			0.098	0.104	5.85	
Trichlorofluoromethane	1	0		2.00	21.26	20			0.283	0.301	6.31	
Ethyl ether	1	0		2.21	18.96	20			0.211	0.200	5.19	
Furan	1	0		2.22	18.40	20			0.555	0.511	7.98	
1,1,2-Trichloro-1,2,2-trifluoroetha	1	0		2.38	22.78	20			0.233	0.265	13.91	
Methylene Chloride	1	0		2.70	20.19	20			0.304	0.307	0.97	
Acrolein	1	0		2.29	77.38	100			0.034	0.026	22.62	
Acrylonitrile	1	0		2.88	16.10	20			0.094	0.081	19.49	
Iodomethane	1	0		2.49	21.72	20			0.398	0.432	8.58	
Acetone	1	0		2.40	87.60	100			0.096	0.084	12.40	
Carbon Disulfide	1	0		2.55	18.34	20			0.718	0.659	8.28	
t-Butyl Alcohol	1	0		2.78	80.09	100			0.023	0.020	19.91	
n-Hexane	1	0		3.15	19.31	20			0.192	0.185	3.43	
Di-isopropyl-ether	1	0		3.30	18.90	20			0.883	0.835	5.50	
1,1-Dichloroethene	1	0	CC	2.37	21.34	20	20		0.414	0.442	6.70	
Methyl Acetate	1	0		2.63	17.31	20			0.318	0.275	13.44	
Methyl-t-butyl ether	1	0		2.93	17.85	20			0.643	0.574	10.76	
1,1-Dichloroethane	1	0	CP	3.24	19.55	20	0.1		0.509	0.497	2.27	
trans-1,2-Dichloroethene	1	0		2.93	21.15	20			0.263	0.278	5.76	
cis-1,2-Dichloroethene	1	0		3.72	19.07	20			0.522	0.498	4.65	
Bromochloromethane	1	0		3.89	19.38	20			0.266	0.258	3.10	
2,2-Dichloropropane	1	0		3.73	19.67	20			0.278	0.317	1.63	
Ethyl acetate	1	0		3.76	18.37				0.441			
1,4-Dioxane	1	0		4.95	938.03	1000			0.004	0.003	6.20	
1,1-Dichloropropene	1	0		4.21	20.99	20			0.372	0.390	4.95	
Chloroform	1	0	CC	3.94	20.93	20	20		0.537	0.562	4.67	
Dibromofluoromethane	1	0	S	4.06	31.75	30			0.285	0.302	5.84	
Cyclohexane	1	0		4.15	19.31	20			0.314	0.304	3.43	
1,2-Dichloroethane-d4	1	0	S	4.29	30.55	30			0.172	0.176	1.84	
1,2-Dichloroethane	1	0		4.34	19.75	20			0.453	0.447	1.23	
2-Butanone	1	0		3.72	15.48	20			0.123	0.095	22.62	
1,1,1-Trichloroethane	1	0		4.10	21.03	20			0.386	0.406	5.15	
Carbon Tetrachloride	1	0		4.22	22.89	20			0.284	0.325	14.44	
Vinyl Acetate	1	0		3.30	18.88	20			0.683	0.644	5.61	
Bromodichloromethane	1	0		5.03	21.44	20			0.384	0.411	7.22	
Methylcyclohexane	1	0		4.87	19.55	20			0.268	0.262	2.26	
Dibromomethane	1	0		4.95	21.42	20			0.231	0.248	7.08	
1,2-Dichloropropane	1	0	CC	4.87	22.34	20	20		0.308	0.304	11.72	
Trichloroethene	1	0		4.74	20.41	20			0.328	0.335	2.05	
Benzene	1	0		4.34	20.42	20			1.053	1.076	2.10	
tert-Amyl methyl ether	1	0		4.40	19.11	20			0.712	0.680	4.45	
Chlorobenzene-d5	1	0	I	6.33	30.00	30				0.000	0.00	
Iso-propylacetate	1	0		4.36	16.84				0.831			
Methyl methacrylate	1	0		4.92	17.00				0.275			
Dibromochloromethane	1	0		5.98	18.64	20			0.362	0.375	6.80	
2-Chloroethylvinylether	1	0		5.19	15.44	20			0.197	0.173	22.79	
cis-1,3-Dichloropropene	1	0		5.30	19.45	20			0.527	0.512	2.76	
trans-1,3-Dichloropropene	1	0		5.61	17.70	20			0.481	0.465	11.49	
Ethyl methacrylate	1	0		5.66	18.21				0.275			
1,1,2-Trichloroethane	1	0		5.73	21.26	20			0.359	0.381	6.29	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 1M88149.D **Instrument:** GCMS 1

Cont Calibration Date/Time 7/30/2012 9:20:00 A Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,2-Dibromoethane	1	0		6.06	18.34	20			0.360	0.330	8.30	
1,3-Dichloropropane	1	0		5.83	20.98	20			0.566	0.594	4.91	
4-Methyl-2-Pentanone	1	0		5.38	17.55	20			0.390	0.342	12.25	
2-Hexanone	1	0		5.86	16.99	20			0.266	0.238	15.03	
Tetrachloroethene	1	0		5.85	21.44	20			0.315	0.338	7.20	
Toluene-d8	1	0	S	5.47	29.81	30			1.324	1.316	0.64	
Toluene	1	0	CC	5.51	19.32	20	20		0.886	0.856	3.41	
1,1,1,2-Tetrachloroethane	1	0		6.39	22.70	20			0.333	0.361	13.50	
Chlorobenzene	1	0	CP	6.35	19.98	20	0.3		1.040	1.039	0.11	
1,4-Dichlorobenzene-d4	1	0	I	7.75	30.00	30				0.000	0.00	
n-Butyl acrylate	1	0		6.64	18.17				1.045			
n-Amyl acetate	1	0		6.77	18.35				1.435			
Bromoform	1	0	CP	6.84	19.21	20	0.1		0.431	0.439	3.94	
Ethylbenzene	1	0	CC	6.40	22.13	20	20		0.709	0.785	10.67	
1,1,2,2-Tetrachloroethane	1	0	CP	7.08	18.07	20	0.3		0.966	0.872	9.65	
Bromofluorobenzene	1	0	S	7.03	31.92	30			0.777	0.827	6.39	
Styrene	1	0		6.72	22.59	20			1.720	1.897	12.95	
m&p-Xylenes	1	0		6.47	44.93	40			0.943	1.059	12.33	
o-Xylene	1	0		6.72	23.37	20			1.013	1.130	16.83	
trans-1,4-Dichloro-2-butene	1	0		7.12	14.82	20			0.278	0.229	25.90	
1,3-Dichlorobenzene	1	0		7.71	21.06	20			1.416	1.491	5.31	
1,4-Dichlorobenzene	1	0		7.76	21.67	20			1.522	1.296	8.33	
1,2-Dichlorobenzene	1	0		8.01	19.20	20			1.416	1.359	4.02	
Isopropylbenzene	1	0		6.93	22.46	20			2.357	2.647	12.28	
Cyclohexanone	1	0		6.99	70.51				0.052			
Camphene	1	0		7.12	16.89	20			0.497	0.420	15.55	
1,2,3-Trichloropropane	1	0		7.12	17.98	20			1.010	0.908	10.09	
2-Chlorotoluene	1	0		7.25	24.30	20			1.529	1.857	21.50	
p-Ethyltoluene	1	0		7.24	18.81				2.728			
4-Chlorotoluene	1	0		7.31	22.68	20			1.519	1.723	13.39	
n-Propylbenzene	1	0		7.18	22.19	20			2.814	3.122	10.95	
Bromobenzene	1	0		7.14	19.85	20			1.709	1.696	0.77	
1,3,5-Trimethylbenzene	1	0		7.28	24.28	20			1.699	2.063	21.41	
Butyl methacrylate	1	0		7.29	21.75				1.370			
t-Butylbenzene	1	0		7.48	21.70	20			1.647	1.787	8.50	
1,2,4-Trimethylbenzene	1	0		7.51	25.74	20			1.997	2.169	28.68	
sec-Butylbenzene	1	0		7.62	21.76	20			1.994	2.169	8.79	
4-Isopropyltoluene	1	0		7.70	20.25	20			1.658	1.679	1.25	
n-Butylbenzene	1	0		7.96	17.02	20			1.940	1.678	14.91	
p-Diethylbenzene	1	0		7.94	15.90				0.949			
1,2,4,5-Tetramethylbenzene	1	0		8.44	19.54				1.709			
1,2-Dibromo-3-Chloropropane	1	0		8.49	15.94	20			0.143	0.125	20.29	
Camphor	1	0		8.97	136.15	200			0.065	0.066	31.92	
Hexachlorobutadiene	1	0		9.14	19.79	20			0.242	0.217	1.07	
1,2,4-Trichlorobenzene	1	0		9.04	15.37	20			0.809	0.560	23.15	
1,2,3-Trichlorobenzene	1	0		9.36	16.59	20			0.788	0.654	17.04	
Naphthalene	1	0		9.21	18.01	20			2.286	2.059	9.95	
Freon 113	1	100		0.00	0.00	20				0.000	100.00	
1,2-Dioxane	1	100		0.00	0.00	2000				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 3M15603.D **Instrument:** GCMS 3

Cont Calibration Date/Time 7/31/2012 7:18:00 A Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.51	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.33	16.59				0.640			
Dichlorodifluoromethane	1	0		1.33	23.46	20			0.434	0.509	17.29	
Chloromethane	1	0	CP	1.46	20.01	20	0.1		0.425	0.425	0.07	
Bromomethane	1	0		1.76	14.96	20			0.233	0.174	25.18	
Vinyl Chloride	1	0	CC	1.53	21.52	20	20		0.359	0.387	7.59	
Chloroethane	1	0		1.83	30.23	20			0.248	0.288	51.13	
Trichlorofluoromethane	1	0		2.01	19.99	20			0.471	0.470	0.05	
Ethyl ether	1	0		2.22	20.63	20			0.188	0.194	3.14	
Furan	1	0		2.25	20.35	20			0.527	0.536	1.77	
1,1,2-Trichloro-1,2,2-trifluoroetha	1	0		2.37	20.99	20			0.211	0.221	4.95	
Methylene Chloride	1	0		2.74	18.73	20			0.264	0.247	6.35	
Acrolein	1	0		2.32	101.91	100			0.021	0.021	1.91	
Acrylonitrile	1	0		2.93	18.34	20			0.072	0.066	8.29	
Iodomethane	1	0		2.50	16.87	20			0.319	0.269	15.67	
Acetone	1	0		2.43	105.25	100			0.073	0.068	5.25	
Carbon Disulfide	1	0		2.55	20.84	20			0.660	0.687	4.19	
t-Butyl Alcohol	1	0		2.81	83.65	100			0.014	0.013	16.35	
n-Hexane	1	0		3.14	25.96	20			0.153	0.198	29.78	
Di-isopropyl-ether	1	0		3.30	21.79	20			0.768	0.836	8.95	
1,1-Dichloroethene	1	0	CC	2.38	20.82	20	20		0.391	0.407	4.09	
Methyl Acetate	1	0		2.66	18.93	20			0.223	0.211	5.37	
Methyl-t-butyl ether	1	0		2.94	19.57	20			0.538	0.526	2.16	
1,1-Dichloroethane	1	0	CP	3.27	20.46	20	0.1		0.470	0.481	2.32	
trans-1,2-Dichloroethene	1	0		2.94	20.71	20			0.231	0.239	3.54	
cis-1,2-Dichloroethene	1	0		3.73	20.59	20			0.417	0.429	2.93	
Bromochloromethane	1	0		3.91	19.68	20			0.219	0.216	1.59	
2,2-Dichloropropane	1	0		3.73	21.68	20			0.327	0.354	8.42	
Ethyl acetate	1	0		3.78	26.76				0.294			
1,4-Dioxane	1	0		4.94	1030.88	1000			0.002	0.002	3.09	
1,1-Dichloropropene	1	0		4.20	21.96	20			0.329	0.361	9.79	
Chloroform	1	0	CC	3.96	18.81	20	20		0.485	0.456	5.93	
Dibromofluoromethane	1	0	S	4.07	28.25	30			0.306	0.288	5.84	
Cyclohexane	1	0		4.13	23.21	20			0.295	0.342	16.06	
1,2-Dichloroethane-d4	1	0	S	4.30	27.95	30			0.176	0.164	6.82	
1,2-Dichloroethane	1	0		4.35	21.97	20			0.434	0.382	9.87	
2-Butanone	1	0		3.74	17.48	20			0.076	0.075	12.61	
1,1,1-Trichloroethane	1	0		4.09	19.15	20			0.389	0.373	4.26	
Carbon Tetrachloride	1	0		4.20	18.71	20			0.332	0.311	6.46	
Vinyl Acetate	1	0		3.30	21.31	20			0.581	0.619	6.57	
Bromodichloromethane	1	0		5.02	19.35	20			0.375	0.363	3.25	
Methylcyclohexane	1	0		4.84	23.74	20			0.208	0.247	18.71	
Dibromomethane	1	0		4.94	19.92	20			0.187	0.186	0.41	
1,2-Dichloropropane	1	0	CC	4.87	19.85	20	20		0.258	0.256	0.73	
Trichloroethene	1	0		4.73	20.93	20			0.262	0.274	4.64	
Benzene	1	0		4.34	22.91	20			0.951	0.947	14.53	
tert-Amyl methyl ether	1	0		4.39	21.10	20			0.531	0.560	5.48	
Chlorobenzene-d5	1	0	I	6.31	30.00	30				0.000	0.00	
Iso-propylacetate	1	0		4.36	20.51				0.664			
Methyl methacrylate	1	0		4.91	18.30				0.222			
Dibromochloromethane	1	0		5.97	19.59	20			0.368	0.360	2.07	
2-Chloroethylvinylether	1	0		5.19	18.31	20			0.175	0.190	8.47	
cis-1,3-Dichloropropene	1	0		5.29	20.59	20			0.522	0.538	2.93	
trans-1,3-Dichloropropene	1	0		5.61	19.90	20			0.480	0.477	0.52	
Ethyl methacrylate	1	0		5.64	20.09				0.241			
1,1,2-Trichloroethane	1	0		5.73	20.01	20			0.300	0.300	0.04	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 3M15603.D **Instrument:** GCMS 3

Cont Calibration Date/Time 7/31/2012 7:18:00 A Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,2-Dibromoethane	1	0		6.05	18.90	20			0.314	0.297	5.51	
1,3-Dichloropropane	1	0		5.83	20.41	20			0.513	0.524	2.07	
4-Methyl-2-Pentanone	1	0		5.37	19.75	20			0.293	0.289	1.26	
2-Hexanone	1	0		5.86	15.48	20			0.165	0.166	22.62	
Tetrachloroethene	1	0		5.82	22.20	20			0.275	0.305	10.99	
Toluene-d8	1	0	S	5.45	29.54	30			1.375	1.354	1.54	
Toluene	1	0	CC	5.49	20.42	20	20		0.786	0.802	2.08	
1,1,1,2-Tetrachloroethane	1	0		6.37	20.36	20			0.329	0.334	1.79	
Chlorobenzene	1	0	CP	6.33	19.91	20	0.3		0.900	0.896	0.43	
1,4-Dichlorobenzene-d4	1	0	I	7.72	30.00	30				0.000	0.00	
n-Butyl acrylate	1	0		6.62	17.19				0.942			
n-Amyl acetate	1	0		6.75	17.72				1.154			
Bromoform	1	0	CP	6.83	18.49	20	0.1		0.442	0.408	7.54	
Ethylbenzene	1	0	CC	6.37	21.01	20	20		0.622	0.653	5.07	
1,1,2,2-Tetrachloroethane	1	0	CP	7.07	18.76	20	0.3		0.688	0.645	6.22	
Bromofluorobenzene	1	0	S	7.01	29.07	30			0.884	0.857	3.10	
Styrene	1	0		6.69	21.69	20			1.652	1.792	8.47	
m&p-Xylenes	1	0		6.44	50.21	40			0.990	1.016	25.51	
o-Xylene	1	0		6.69	21.47	20			0.964	1.035	7.37	
trans-1,4-Dichloro-2-butene	1	0		7.10	15.23	20			0.199	0.200	23.84	
1,3-Dichlorobenzene	1	0		7.68	20.97	20			1.111	1.165	4.85	
1,4-Dichlorobenzene	1	0		7.73	18.86	20			1.236	1.165	5.69	
1,2-Dichlorobenzene	1	0		7.98	19.95	20			1.129	1.126	0.24	
Isopropylbenzene	1	0		6.90	21.55	20			2.219	2.391	7.74	
Cyclohexanone	1	0		6.99	92.38				0.046			
Camphene	1	0		7.07	19.56	20			0.473	0.462	2.21	
1,2,3-Trichloropropane	1	0		7.11	18.59	20			0.861	0.801	7.05	
2-Chlorotoluene	1	0		7.22	20.63	20			1.436	1.482	3.17	
p-Ethyltoluene	1	0		7.21	20.68				2.377			
4-Chlorotoluene	1	0		7.28	21.13	20			1.382	1.461	5.66	
n-Propylbenzene	1	0		7.14	21.22	20			2.482	2.634	6.11	
Bromobenzene	1	0		7.11	19.05	20			1.560	1.485	4.77	
1,3,5-Trimethylbenzene	1	0		7.24	19.69	20			1.732	1.705	1.56	
Butyl methacrylate	1	0		7.26	21.49				1.331			
t-Butylbenzene	1	0		7.45	21.76	20			1.515	1.649	8.81	
1,2,4-Trimethylbenzene	1	0		7.48	20.70	20			1.853	1.917	3.49	
sec-Butylbenzene	1	0		7.58	21.29	20			1.750	1.863	6.46	
4-Isopropyltoluene	1	0		7.66	22.23	20			1.455	1.617	11.14	
n-Butylbenzene	1	0		7.92	22.11	20			1.511	1.682	10.55	
p-Diethylbenzene	1	0		7.91	21.35				0.744			
1,2,4,5-Tetramethylbenzene	1	0		8.41	19.21				1.287			
1,2-Dibromo-3-Chloropropane	1	0		8.47	17.19	20			0.126	0.109	14.05	
Camphor	1	0		8.94	161.97	200			0.048	0.044	19.01	
Hexachlorobutadiene	1	0		9.09	16.83	20			0.289	0.243	15.87	
1,2,4-Trichlorobenzene	1	0		9.01	17.14	20			0.583	0.572	14.32	
1,2,3-Trichlorobenzene	1	0		9.33	14.88	20			0.489	0.444	25.62	
Naphthalene	1	0		9.18	15.68	20			1.316	1.279	21.61	
Freon 113	1	100		0.00	0.00	20				0.000	100.00	
1,2-Dioxane	1	100		0.00	0.00	2000				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 3M15694.D **Instrument:** GCMS 3

Cont Calibration Date/Time 8/1/2012 7:41:00 A Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.51	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.34	17.93				0.640			
Dichlorodifluoromethane	1	0		1.34	20.34	20			0.434	0.442	1.72	
Chloromethane	1	0	CP	1.46	22.82	20	0.1		0.425	0.484	14.10	
Bromomethane	1	0		1.78	17.65	20			0.233	0.205	11.75	
Vinyl Chloride	1	0	CC	1.54	21.02	20	20		0.359	0.378	5.08	
Chloroethane	1	0		1.84	23.47	20			0.248	0.224	17.35	
Trichlorofluoromethane	1	0		2.03	20.41	20			0.471	0.480	2.04	
Ethyl ether	1	0		2.22	21.25	20			0.188	0.200	6.24	
Furan	1	0		2.25	20.63	20			0.527	0.544	3.15	
1,1,2-Trichloro-1,2,2-trifluoroetha	1	0		2.38	21.64	20			0.211	0.228	8.20	
Methylene Chloride	1	0		2.75	19.77	20			0.264	0.261	1.17	
Acrolein	1	0		2.32	97.06	100			0.021	0.020	2.94	
Acrylonitrile	1	0		2.93	17.30	20			0.072	0.062	13.52	
Iodomethane	1	0		2.51	20.24	20			0.319	0.323	1.18	
Acetone	1	0		2.43	93.95	100			0.073	0.061	6.05	
Carbon Disulfide	1	0		2.56	21.08	20			0.660	0.695	5.42	
t-Butyl Alcohol	1	0		2.82	77.89	100			0.014	0.012	22.11	
n-Hexane	1	0		3.15	26.81	20			0.153	0.204	34.07	
Di-isopropyl-ether	1	0		3.31	22.57	20			0.768	0.866	12.84	
1,1-Dichloroethene	1	0	CC	2.39	21.74	20	20		0.391	0.425	8.69	
Methyl Acetate	1	0		2.67	18.72	20			0.223	0.209	6.41	
Methyl-t-butyl ether	1	0		2.94	19.54	20			0.538	0.525	2.30	
1,1-Dichloroethane	1	0	CP	3.27	20.49	20	0.1		0.470	0.482	2.44	
trans-1,2-Dichloroethene	1	0		2.94	21.29	20			0.231	0.246	6.46	
cis-1,2-Dichloroethene	1	0		3.74	21.30	20			0.417	0.444	6.51	
Bromochloromethane	1	0		3.92	20.09	20			0.219	0.220	0.44	
2,2-Dichloropropane	1	0		3.74	22.00	20			0.327	0.360	10.02	
Ethyl acetate	1	0		3.78	20.65				0.294			
1,4-Dioxane	1	0		4.95	954.66	1000			0.002	0.002	4.53	
1,1-Dichloropropene	1	0		4.21	22.44	20			0.329	0.369	12.18	
Chloroform	1	0	CC	3.97	19.59	20	20		0.485	0.475	2.03	
Dibromofluoromethane	1	0	S	4.08	28.49	30			0.306	0.291	5.02	
Cyclohexane	1	0		4.13	23.45	20			0.295	0.346	17.25	
1,2-Dichloroethane-d4	1	0	S	4.31	26.67	30			0.176	0.156	11.08	
1,2-Dichloroethane	1	0		4.36	22.15	20			0.434	0.385	10.76	
2-Butanone	1	0		3.75	17.68	20			0.076	0.076	11.58	
1,1,1-Trichloroethane	1	0		4.10	20.25	20			0.389	0.394	1.24	
Carbon Tetrachloride	1	0		4.21	19.87	20			0.332	0.330	0.64	
Vinyl Acetate	1	0		3.30	20.96	20			0.581	0.609	4.80	
Bromodichloromethane	1	0		5.03	20.53	20			0.375	0.385	2.67	
Methylcyclohexane	1	0		4.85	24.89	20			0.208	0.259	24.44	
Dibromomethane	1	0		4.94	20.03	20			0.187	0.187	0.14	
1,2-Dichloropropane	1	0	CC	4.87	20.90	20	20		0.258	0.270	4.51	
Trichloroethene	1	0		4.73	21.82	20			0.262	0.286	9.12	
Benzene	1	0		4.34	23.33	20			0.951	0.965	16.67	
tert-Amyl methyl ether	1	0		4.40	20.03	20			0.531	0.532	0.16	
Chlorobenzene-d5	1	0	I	6.31	30.00	30				0.000	0.00	
Iso-propylacetate	1	0		4.37	20.33				0.664			
Methyl methacrylate	1	0		4.92	19.99				0.222			
Dibromochloromethane	1	0		5.97	19.39	20			0.368	0.357	3.04	
2-Chloroethylvinylether	1	0		5.20	17.95	20			0.175	0.186	10.27	
cis-1,3-Dichloropropene	1	0		5.29	21.27	20			0.522	0.556	6.33	
trans-1,3-Dichloropropene	1	0		5.62	20.03	20			0.480	0.480	0.15	
Ethyl methacrylate	1	0		5.65	20.19				0.241			
1,1,2-Trichloroethane	1	0		5.73	19.32	20			0.300	0.290	3.41	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 3M15694.D **Instrument:** GCMS 3

Cont Calibration Date/Time 8/1/2012 7:41:00 A Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,2-Dibromoethane	1	0		6.05	19.22	20			0.314	0.302	3.90	
1,3-Dichloropropane	1	0		5.83	21.30	20			0.513	0.546	6.52	
4-Methyl-2-Pentanone	1	0		5.38	18.33	20			0.293	0.269	8.37	
2-Hexanone	1	0		5.86	14.97	20			0.165	0.161	25.13	
Tetrachloroethene	1	0		5.82	21.74	20			0.275	0.299	8.71	
Toluene-d8	1	0	S	5.46	29.66	30			1.375	1.359	1.14	
Toluene	1	0	CC	5.50	20.87	20	20		0.786	0.820	4.37	
1,1,1,2-Tetrachloroethane	1	0		6.37	19.62	20			0.329	0.322	1.88	
Chlorobenzene	1	0	CP	6.33	20.49	20	0.3		0.900	0.922	2.44	
1,4-Dichlorobenzene-d4	1	0	I	7.72	30.00	30				0.000	0.00	
n-Butyl acrylate	1	0		6.62	17.05				0.942			
n-Amyl acetate	1	0		6.75	17.80				1.154			
Bromoform	1	0	CP	6.83	18.04	20	0.1		0.442	0.398	9.82	
Ethylbenzene	1	0	CC	6.38	22.60	20	20		0.622	0.703	12.99	
1,1,2,2-Tetrachloroethane	1	0	CP	7.08	19.02	20	0.3		0.688	0.654	4.93	
Bromofluorobenzene	1	0	S	7.01	29.95	30			0.884	0.883	0.17	
Styrene	1	0		6.69	22.11	20			1.652	1.826	10.53	
m&p-Xylenes	1	0		6.45	52.28	40			0.990	1.058	30.71	
o-Xylene	1	0		6.69	22.53	20			0.964	1.086	12.67	
trans-1,4-Dichloro-2-butene	1	0		7.11	16.33	20			0.199	0.214	18.35	
1,3-Dichlorobenzene	1	0		7.68	22.06	20			1.111	1.226	10.29	
1,4-Dichlorobenzene	1	0		7.74	20.54	20			1.236	1.269	2.69	
1,2-Dichlorobenzene	1	0		7.98	20.85	20			1.129	1.177	4.25	
Isopropylbenzene	1	0		6.90	22.79	20			2.219	2.528	13.93	
Cyclohexanone	1	0		6.99	91.24				0.046			
Camphene	1	0		7.08	20.88	20			0.473	0.493	4.41	
1,2,3-Trichloropropane	1	0		7.11	18.26	20			0.861	0.786	8.71	
2-Chlorotoluene	1	0		7.22	21.41	20			1.436	1.538	7.06	
p-Ethyltoluene	1	0		7.21	21.34				2.377			
4-Chlorotoluene	1	0		7.28	21.23	20			1.382	1.468	6.16	
n-Propylbenzene	1	0		7.15	22.49	20			2.482	2.792	12.47	
Bromobenzene	1	0		7.11	19.90	20			1.560	1.552	0.49	
1,3,5-Trimethylbenzene	1	0		7.25	22.61	20			1.732	1.957	13.04	
Butyl methacrylate	1	0		7.26	21.36				1.331			
t-Butylbenzene	1	0		7.46	22.67	20			1.515	1.717	13.33	
1,2,4-Trimethylbenzene	1	0		7.48	21.93	20			1.853	2.032	9.66	
sec-Butylbenzene	1	0		7.59	22.46	20			1.750	1.965	12.28	
4-Isopropyltoluene	1	0		7.67	23.03	20			1.455	1.675	15.17	
n-Butylbenzene	1	0		7.93	23.47	20			1.511	1.786	17.34	
p-Diethylbenzene	1	0		7.91	22.91				0.744			
1,2,4,5-Tetramethylbenzene	1	0		8.41	20.26				1.287			
1,2-Dibromo-3-Chloropropane	1	0		8.48	17.31	20			0.126	0.109	13.46	
Camphor	1	0		8.95	148.63	200			0.048	0.041	25.69	
Hexachlorobutadiene	1	0		9.10	16.91	20			0.289	0.244	15.47	
1,2,4-Trichlorobenzene	1	0		9.01	17.78	20			0.583	0.593	11.11	
1,2,3-Trichlorobenzene	1	0		9.34	16.00	20			0.489	0.477	19.99	
Naphthalene	1	0		9.18	16.73	20			1.316	1.365	16.33	
1,2-Dioxane	1	100		0.00	0.00	2000				0.000	100.00	
Freon 113	1	100		0.00	0.00	20				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

FORM8

Internal Standard Areas

Evaluation Std Data File: 1M87094.D Method: EPA 8260B

Analysis Date/Time: 07/10/12 16:09

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	233903	4.51	206242	6.33	115543	7.75						
Eval File Area Limit:	116952-467806		103121-412484		57772-231086							
Eval File Rt Limit:	4.01-5.01		5.83-6.83		7.25-8.25							

Data File	Sample											
1M87087.D	1 PPB	236200	4.51	176818	6.33	113393	7.75					
1M87088.D	CAL @ 0.5 PF	215388	4.51	182658	6.33	99203	7.75					
1M87089.D	CAL @ 5 PPB	226555	4.51	158981	6.33	99377	7.75					
1M87090.D	CAL @ 500 P	247417	4.51	206327	6.33	114916	7.75					
1M87091.D	CAL @ 250 P	244936	4.51	209841	6.34	110130	7.76					
1M87092.D	CAL @ 100 P	234447	4.51	178942	6.34	105825	7.76					
1M87093.D	CAL @ 50 PP	229089	4.51	195232	6.33	115147	7.75					
1M87094.D	CAL @ 20 PP	233903	4.51	206242	6.33	115543	7.75					
1M87095.D	CAL @ 10 PP	250027	4.51	209184	6.33	99953	7.75					
1M87096.D	BLK	238321	4.51	170858	6.34	86942	7.75					
1M87097.D	CAL @ 1 PPB	211037	4.51	165403	6.33	93872	7.75					
1M87098.D	ICV	237545	4.51	196714	6.34	109635	7.75					
1M87099.D	66978-001	252413	4.51	204705	6.33	99198	7.75					
1M87100.D	BLK	228550	4.51	184311	6.34	108156	7.75					
1M87101.D	DAILY BLANK	242842	4.51	199822	6.34	103766	7.76					
1M87102.D	DAILY BLANK	222016	4.51	185513	6.33	113798	7.75					
1M87103.D	MBS18737	248012	4.51	208564	6.33	120651	7.75					
1M87104.D	MBS18738	228334	4.51	180322	6.34	110495	7.76					
1M87105.D	BLK	219128	4.51	193258	6.33	88295	7.75					
1M87106.D	AC66931-002	209971	4.50	163586	6.33	96171	7.75					
1M87107.D	AC66931-004	240130	4.50	200724	6.33	110998	7.76					
1M87108.D	AC66931-005	244245	4.50	201909	6.33	108611	7.75					
1M87109.D	AC66931-007	241017	4.51	188454	6.34	88986	7.76					
1M87110.D	AC66931-008	245545	4.50	192289	6.33	93304	7.75					
1M87111.D	AC66931-009	242724	4.50	190990	6.33	97148	7.75					
1M87112.D	AC66931-017	221753	4.50	159050	6.33	86236	7.75					
1M87113.D	AC66931-012	216125	4.50	180976	6.33	87563	7.75					
1M87114.D	AC66931-013	231011	4.51	195698	6.34	109373	7.76					
1M87115.D	AC66931-015	241150	4.50	196967	6.33	107777	7.75					
1M87116.D	AC66931-022	248693	4.50	204444	6.33	117480	7.76					
1M87117.D	AC66931-023	216936	4.50	144236	6.33	100520	7.75					
1M87118.D	AC66838-001	230432	4.50	189120	6.33	101342	7.75					
1M87119.D	AC66928-002	226079	4.50	197412	6.33	109038	7.75					
1M87120.D	AC66928-003	246483	4.50	176811	6.33	100456	7.75					
1M87121.D	AC66906-006	245538	4.50	222179	6.33	121481	7.75					
1M87122.D	AC66906-011	229868	4.50	208651	6.33	106822	7.75					
1M87123.D	BLK	264416	4.50	227448	6.33	124001	7.75					
1M87124.D	MBS18740	227166	4.50	164351	6.33	113767	7.75					
1M87125.D	AC66906-005	251877	4.51	183495	6.33	122249	7.75					
1M87126.D	AC66906-008	251725	4.51	210577	6.33	124269	7.75					
1M87127.D	AC66906-012	258159	4.51	229191	6.33	126894	7.75					
1M87128.D	AC66931-001	252192	4.51	207049	6.33	113807	7.75					
1M87129.D	AC66966-004	246924	4.50	210248	6.33	115975	7.75					
1M87130.D	AC66967-001	238215	4.50	190255	6.33	112986	7.75					
1M87131.D	66967-004	243414	4.50	202826	6.33	104831	7.75					
1M87132.D	66967-005	244667	4.50	210086	6.33	108917	7.75					
1M87133.D	66967-006	241607	4.50	204883	6.33	96133	7.75					
1M87134.D	66967-014	235571	4.51	198238	6.34	101040	7.76					
1M87135.D	66967-015	234740	4.50	190004	6.33	116626	7.75					
1M87136.D	66967-016	223686	4.51	179199	6.35	106801	7.77					
1M87137.D	66967-017	250467	4.50	192855	6.33	114871	7.75					
1M87138.D	66967-018	214548	4.51	187322	6.35	109428	7.77					
1M87139.D	66967-002	241292	4.50	203551	6.33	96041	7.75					

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 1M87094.D Method: EPA 8260B

Analysis Date/Time: 07/10/12 16:09

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	233903	4.51	206242	6.33	115543	7.75						
Eval File Area Limit:	116952-467806		103121-412484		57772-231086							
Eval File Rt Limit:	4.01-5.01		5.83-6.83		7.25-8.25							

Data File	Sample											
1M87140.D	66967-003	245160	4.50	208066	6.33	97085	7.75					
1M87141.D	66981-002	246454	4.50	203155	6.33	108688	7.75					
1M87142.D	66981-003	236978	4.50	171993	6.33	101199	7.75					
1M87143.D	66981-004	232832	4.50	184273	6.33	105568	7.75					
1M87144.D	66981-005	248374	4.50	204653	6.33	118298	7.75					
1M87145.D	66981-006	221525	4.50	181345	6.33	105287	7.75					
1M87146.D	66978-001	241297	4.50	211897	6.33	102729	7.75					
1M87147.D	66978-002	230620	4.50	198719	6.33	100599	7.75					
1M87148.D	66978-003	231090	4.50	170425	6.33	107130	7.75					
1M87149.D	66978-004	246229	4.50	206856	6.33	112693	7.75					
1M87150.D	66978-005	243030	4.50	174202	6.33	114111	7.75					

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1.4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 3M15364.D Method: EPA 8260B

Analysis Date/Time: 07/26/12 10:24

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	458951	4.52	323072	6.32	167560	7.73						
Eval File Area Limit:	229476-917902		161536-646144		83780-335120							
Eval File Rt Limit:	4.02-5.02		5.82-6.82		7.23-8.23							

Data File	Sample												
3M15355.D	BLK	410029	4.52	283621	6.32	130694	7.73						
3M15356.D	BLK	418688	4.52	279293	6.32	139065	7.73						
3M15357.D	CAL @ 1 PPB	416380	4.52	288328	6.32	141973	7.73						
3M15358.D	CAL @ 0.5 PF	408110	4.52	275338	6.32	138652	7.73						
3M15359.D	CAL @ 5 PPB	419387	4.52	293274	6.32	150293	7.73						
3M15360.D	CAL @ 500 P	415856	4.52	303655	6.32	152155	7.73						
3M15361.D	CAL @ 250 P	445176	4.52	330144	6.32	157976	7.73						
3M15362.D	CAL @ 100 P	460970	4.52	340084	6.32	170692	7.73						
3M15363.D	CAL @ 50 PP	460910	4.52	333319	6.32	166109	7.73						
3M15364.D	CAL @ 20 PP	458951	4.52	323072	6.32	167560	7.73						
3M15365.D	CAL @ 10 PP	466425	4.52	318164	6.32	169275	7.73						
3M15366.D	ICV	458003	4.52	323296	6.32	168964	7.73						
3M15367.D	BLK	458023	4.52	326462	6.33	162706	7.74						
3M15368.D	DAILY BLANK	454218	4.52	313701	6.32	154836	7.73						
3M15369.D	MBS19237	445625	4.52	321002	6.32	166446	7.73						
3M15371.D	AC67102-003	447210	4.52	319991	6.33	152850	7.73						
3M15376.D	BLK	427330	4.52	301102	6.32	147485	7.73						
3M15379.D	AC67102-005	436976	4.52	322648	6.32	158050	7.73						
3M15380.D	AC67117-007	458401	4.52	326086	6.33	166888	7.73						
3M15381.D	AC67117-007	453806	4.52	321302	6.33	169667	7.73						
3M15382.D	MBS19238	467151	4.52	325291	6.33	173338	7.74						
3M15383.D	AC67117-001	466175	4.52	324127	6.33	171078	7.73						
3M15384.D	AC67117-001	464175	4.52	323323	6.33	169432	7.73						
3M15385.D	BLK	462291	4.52	330527	6.33	167224	7.73						
3M15386.D	BLK	453195	4.52	316869	6.33	156825	7.74						
3M15387.D	MBS19239	442228	4.52	316086	6.33	168734	7.73						
3M15388.D	BLK	441684	4.52	313582	6.33	158343	7.74						
3M15398.D	BLK	410453	4.52	285319	6.33	138727	7.73						

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 1M88149.D Method: EPA 8260B

Analysis Date/Time: 07/30/12 09:20

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	299903	4.51	260113	6.33	135532	7.75						
Eval File Area Limit:	149952-599806		130056-520226		67766-271064							
Eval File Rt Limit:	4.01-5.01		5.83-6.83		7.25-8.25							

Data File	Sample											
1M88147.D	20 PPB	286000	4.50	233693	6.33	148096	7.75					
1M88148.D	BLK	313950	4.51	264100	6.33	136579	7.75					
1M88150.D	DAILY BLANK	300878	4.51	225654	6.33	141939	7.75					
1M88151.D	DAILY BLANK	315843	4.50	255672	6.33	134220	7.75					
1M88152.D	MBS19258	327981	4.50	263997	6.33	153640	7.75					
1M88153.D	MBS19259	314735	4.51	274726	6.33	146527	7.75					
1M88154.D	AC67311-001	325848	4.50	227712	6.33	145631	7.75					
1M88155.D	AC67339-001	321965	4.50	245781	6.33	140056	7.75					
1M88156.D	AC67311-002	299937	4.50	263538	6.33	144431	7.75					
1M88157.D	AC67276-004	346113	4.50	276222	6.33	167284	7.75					
1M88158.D	AC67276-004	336292	4.50	283621	6.33	172889	7.75					
1M88159.D	67250-006(T:	351973	4.51	311641	6.33	175473	7.75					
1M88160.D	AC67250-006	339878	4.51	259092	6.33	168463	7.75					
1M88161.D	BLK	332737	4.51	275602	6.33	151135	7.75					
1M88162.D	AC67276-008	351187	4.51	291316	6.33	134816	7.75					
1M88163.D	AC67276-009	325531	4.51	257160	6.33	148139	7.75					
1M88164.D	AC67198-009	333306	4.51	276745	6.33	148803	7.75					
1M88165.D	AC67311-004	305461	4.51	257473	6.33	114452	7.75					
1M88166.D	AC67311-005	298567	4.51	185128	6.33	126779	7.75					
1M88167.D	AC67250-006	340715	4.51	273765	6.33	156634	7.75					
1M88168.D	AC67172-005	312394	4.51	262638	6.33	133007	7.75					
1M88169.D	AC67172-001	316609	4.51	266599	6.33	142017	7.75					
1M88170.D	AC67172-007	302866	4.51	255098	6.34	141812	7.76					
1M88171.D	AC67172-011	330343	4.51	255713	6.33	150909	7.75					
1M88173.D	AC67198-001	319878	4.51	271753	6.33	151171	7.75					
1M88174.D	AC67198-003	309280	4.51	260463	6.34	142746	7.76					
1M88175.D	AC67198-005	328253	4.51	225140	6.33	149416	7.75					
1M88176.D	BLK	291475	4.51	243799	6.34	135078	7.76					
1M88177.D	AC67271-011	295443	4.51	230338	6.33	130655	7.75					
1M88178.D	AC67271-012	304710	4.51	255715	6.33	138631	7.75					
1M88179.D	BLK	292723	4.51	255718	6.33	132541	7.75					
1M88180.D	BLK	296771	4.51	247358	6.33	128107	7.75					
1M88181.D	AC67248-001	267737	4.51	246964	6.33	130818	7.75					
1M88182.D	AC67248-002	299634	4.51	256964	6.33	143426	7.75					
1M88183.D	AC67248-003	287741	4.51	262946	6.33	138130	7.75					
1M88184.D	AC67248-004	276166	4.51	223843	6.33	109390	7.75					
1M88185.D	AC67248-005	290593	4.51	251914	6.33	123715	7.75					
1M88186.D	AC67232-001	260324	4.51	197875	6.33	126221	7.75					
1M88187.D	20 PPB	281297	4.51	255820	6.33	119625	7.75					
1M88188.D	MBS19271	290588	4.51	217878	6.33	135378	7.75					
1M88189.D	BLK	276467	4.51	212085	6.33	131418	7.75					
1M88192.D	AC67218-002	283014	4.51	199781	6.33	126884	7.75					
1M88193.D	AC67218-001	284310	4.51	234657	6.33	101348	7.75					
1M88195.D	AC67318-001	270586	4.51	237962	6.33	117119	7.75					
1M88196.D	AC67318-007	257113	4.51	195153	6.33	115506	7.75					
1M88199.D	AC67318-006	254031	4.51	218389	6.33	117669	7.75					
1M88202.D	AC67318-003	263843	4.51	210391	6.33	123545	7.75					
1M88204.D	BLK	255502	4.51	211330	6.34	121571	7.75					
1M88205.D	BLK	262632	4.51	214478	6.33	116843	7.75					
1M88206.D	BLK	241734	4.51	207116	6.33	112173	7.75					
1M88207.D	BLK	242332	4.51	210212	6.33	108990	7.75					
1M88208.D	BLK	263185	4.51	213425	6.33	112004	7.75					
1M88209.D	BLK	233890	4.51	183271	6.33	85779	7.75					

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 1M88149.D Method: EPA 8260B

Analysis Date/Time: 07/30/12 09:20

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	299903	4.51	260113	6.33	135532	7.75						
Eval File Area Limit:	149952-599806		130056-520226		67766-271064							
Eval File Rt Limit:	4.01-5.01		5.83-6.83		7.25-8.25							

Data File	Sample											
1M88210.D	BLK	229470	4.51	198593	6.33	111801	7.75					
1M88211.D	BLK	246061	4.51	203051	6.33	113932	7.75					
1M88212.D	BLK	212317	4.51	189562	6.33	106419	7.75					
1M88213.D	BLK	236926	4.51	203754	6.33	107296	7.75					
1M88214.D	BLK	224446	4.51	190687	6.33	110291	7.75					
1M88215.D	BLK	239151	4.51	174790	6.33	108749	7.75					
1M88216.D	BLK	232355	4.51	196175	6.33	87481	7.75					
1M88217.D	BLK	235802	4.51	197876	6.33	112623	7.75					
1M88218.D	BLK	238851	4.51	206386	6.33	97598	7.75					
1M88219.D	BLK	219057	4.51	183320	6.33	100695	7.75					
1M88220.D	BLK	229418	4.51	201413	6.33	105224	7.75					
1M88221.D	BLK	222271	4.51	153475	6.33	102059	7.75					
1M88222.D	BLK	227165	4.51	206939	6.33	109082	7.75					

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 3M15603.D Method: EPA 8260B

Analysis Date/Time: 07/31/12 07:18

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	553369	4.51	397769	6.31	210422	7.72						
Eval File Area Limit:	276684-1106738		198884-795538		105211-420844							
Eval File Rt Limit:	4.01-5.01		5.81-6.81		7.22-8.219999							

Data File	Sample											
3M15602.D	BLK	543215	4.51	386007	6.31	206689	7.72					
3M15604.D	BLK	555012	4.51	406986	6.31	211538	7.72					
3M15605.D	DAILY BLANK	560850	4.50	398607	6.31	200010	7.72					
3M15606.D	MBS19274	547461	4.51	399687	6.31	212862	7.72					
3M15607.D	AC67259-022(	546315	4.51	397014	6.31	207943	7.72					
3M15608.D	EF-1-V-14597	552114	4.51	396576	6.31	207269	7.72					
3M15609.D	AC67259-022(	535689	4.51	379840	6.31	207839	7.72					
3M15610.D	BLK	556652	4.50	391225	6.31	200860	7.72					
3M15611.D	AC67259-022(	531725	4.51	396884	6.31	205275	7.72					
3M15613.D	BLK	547535	4.50	390018	6.31	196034	7.72					
3M15614.D	AC67318-001	544365	4.50	372180	6.31	196083	7.72					
3M15615.D	AC67318-005	517477	4.50	364334	6.31	182175	7.72					
3M15616.D	AC67218-002	533173	4.51	370937	6.31	186705	7.72					
3M15617.D	AC67218-001	527877	4.51	374578	6.32	190558	7.73					
3M15618.D	AC67318-006	507005	4.50	360455	6.31	185748	7.72					
3M15619.D	AC67318-007	513915	4.51	370133	6.31	178660	7.72					
3M15620.D	AC67276-008	507667	4.51	363535	6.31	183797	7.72					
3M15621.D	AC67198-009	511363	4.51	357116	6.31	177200	7.72					
3M15622.D	BLK	504143	4.51	358785	6.31	182698	7.72					
3M15624.D	MBS19280	510567	4.50	379099	6.31	198386	7.72					
3M15626.D	BLKJUG3	512985	4.51	376308	6.31	186247	7.72					
3M15627.D	AC67266-009	516756	4.51	372253	6.31	185961	7.73					
3M15631.D	AC67318-002	526775	4.51	363759	6.31	185823	7.73					
3M15632.D	AC67318-003	511862	4.51	367145	6.32	190359	7.73					
3M15633.D	AC67248-002	513022	4.51	363589	6.32	182846	7.73					
3M15634.D	AC67248-003	514715	4.51	358341	6.31	180267	7.73					
3M15635.D	AC67198-003	509176	4.51	355792	6.31	183548	7.72					
3M15636.D	AC67198-005(	491371	4.51	347186	6.31	178499	7.72					
3M15637.D	AC67198-001(	495561	4.51	355343	6.31	180443	7.73					
3M15638.D	BLK	499501	4.51	355283	6.31	177777	7.72					
3M15639.D	AC67318-004	486488	4.51	354318	6.31	180030	7.73					
3M15640.D	AC67318-001(	496939	4.51	355542	6.31	195268	7.72					
3M15641.D	AC67318-001(	503574	4.51	355633	6.31	195997	7.72					
3M15642.D	BLK	508117	4.51	356655	6.32	183288	7.73					
3M15646.D	BLK	485286	4.52	331019	6.33	171675	7.73					
3M15647.D	BLK	484112	4.51	332054	6.31	168992	7.73					
3M15648.D	MBS19283	478797	4.51	346635	6.31	191506	7.73					
3M15649.D	BLK	492148	4.51	353249	6.31	172909	7.73					
3M15665.D	67246-004	523748	4.51	381779	6.31	199038	7.72					
3M15670.D	MBS19284	559447	4.51	385253	6.31	206659	7.72					
3M15671.D	AC67200-001(	548717	4.51	388612	6.31	207369	7.72					
3M15672.D	AC67200-001(	542707	4.51	388782	6.31	205686	7.73					
3M15673.D	BLK	559644	4.51	384324	6.31	198533	7.73					
3M15674.D	BLK	546639	4.51	374756	6.31	198988	7.73					
3M15675.D	MBS19285	536494	4.51	383526	6.31	204516	7.73					
3M15676.D	BLK	530595	4.51	381080	6.31	188394	7.73					

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Cblorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1.4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 3M15694.D Method: EPA 8260B

Analysis Date/Time: 08/01/12 07:41

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	578662	4.51	412327	6.31	212570	7.72						
Eval File Area Limit:	289331-1157324		206164-824654		106285-425140							
Eval File Rt Limit:	4.01-5.01		5.81-6.81		7.22-8.219999							

Data File	Sample											
3M15695.D	BLK	567127	4.51	404939	6.31	212335	7.73					
3M15696.D	DAILY BLANK	573601	4.51	425837	6.31	211504	7.72					
3M15697.D	BLK	600500	4.51	408655	6.31	213748	7.73					
3M15699.D	MBS19288	570319	4.52	413974	6.32	209816	7.73					
3M15700.D	AC67266-009	582006	4.51	416415	6.32	218984	7.72					
3M15701.D	AC67266-009	562853	4.51	407129	6.31	217510	7.72					
3M15702.D	BLKJUG3	587402	4.51	423856	6.31	219647	7.73					
3M15703.D	AC67271-001	578717	4.51	408647	6.32	214725	7.73					
3M15704.D	AC67271-003	576302	4.51	398591	6.31	214652	7.73					
3M15705.D	AC67271-005	569526	4.51	406188	6.31	203740	7.73					
3M15706.D	AC67271-007	557862	4.51	405238	6.31	212632	7.73					
3M15707.D	AC67271-009	552506	4.52	402104	6.32	206193	7.73					
3M15708.D	BLKJUG#1	555526	4.51	404590	6.32	201621	7.73					
3M15709.D	AC67363-003	559181	4.51	398270	6.31	204906	7.73					
3M15710.D	AC67363-004	539550	4.51	392387	6.32	199466	7.73					
3M15711.D	AC67363-001	543946	4.51	384983	6.32	190151	7.73					
3M15712.D	AC67363-002	537810	4.51	384680	6.32	194544	7.73					
3M15717.D	BLK	528970	4.51	366486	6.32	178948	7.73					
3M15718.D	67271-003	581388	4.52	410376	6.31	206713	7.73					
3M15719.D	MBS19294	528747	4.51	381617	6.32	202433	7.73					
3M15720.D	BLK	535606	4.52	376578	6.32	189867	7.73					
3M15727.D	BLK	527299	4.52	376813	6.32	183187	7.73					
3M15737.D	blk	487139	4.52	338684	6.32	167935	7.73					
3M15742.D	AC67247-012	523944	4.51	371661	6.32	201686	7.73					
3M15743.D	AC67247-012	529230	4.52	385107	6.32	200513	7.73					
3M15744.D	BLK	546599	4.51	384994	6.32	195849	7.73					
3M15745.D	BLK	530965	4.52	367865	6.32	192773	7.73					
3M15746.D	MBS19295	520059	4.51	380980	6.31	201985	7.73					
3M15747.D	BLK	515398	4.51	373257	6.32	191856	7.73					
3M15768.D	MBS19296	499345	4.51	366866	6.32	200599	7.73					
3M15769.D	MBS19297	510162	4.51	370508	6.32	200253	7.73					
3M15770.D	AC67219-001	518839	4.51	377383	6.32	205821	7.73					
3M15771.D	AC67219-001	523326	4.51	385118	6.31	211153	7.73					
3M15772.D	BLK	526504	4.52	386734	6.33	193925	7.73					
3M15773.D	BLK	531352	4.52	389185	6.32	191855	7.73					
3M15774.D	BLK	525635	4.51	374380	6.32	180689	7.73					
3M15775.D	BLK	518483	4.51	373107	6.32	181164	7.73					
3M15776.D	BLK	500256	4.52	362349	6.32	177355	7.73					
3M15777.D	BLK	512934	4.52	358242	6.32	172167	7.73					
3M15778.D	BLK	488595	4.51	360908	6.32	166737	7.73					
3M15779.D	BLK	505571	4.51	356434	6.32	178005	7.73					
3M15780.D	BLK	503671	4.52	359133	6.32	168524	7.73					
3M15781.D	BLK	497921	4.52	349742	6.32	167540	7.73					
3M15782.D	BLK	501906	4.52	361468	6.32	171680	7.73					
3M15783.D	BLK	500283	4.51	349842	6.32	172364	7.73					
3M15784.D	BLK	497749	4.51	353764	6.32	166221	7.73					

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1.4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

Semi-Volatile Data

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC67271-001
Client Id: MW-1 U
Data File: 9M45030.D
Analysis Date: 07/27/12 16:59
Date Rec/Extracted: 07/25/12-07/27/12
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 940ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
122-66-7	1,2-Diphenylhydrazine	2.1	U	207-08-9	Benzo[k]fluoranthene	2.1	U
95-95-4	2,4,5-Trichlorophenol	2.1	U	65-85-0	Benzoic Acid	11	U
88-06-2	2,4,6-Trichlorophenol	2.1	U	111-91-1	bis(2-Chloroethoxy)methan	2.1	U
120-83-2	2,4-Dichlorophenol	2.1	U	111-44-4	bis(2-Chloroethyl)ether	0.53	U
105-67-9	2,4-Dimethylphenol	2.1	U	108-60-1	bis(2-chloroisopropyl)ether	2.1	U
51-28-5	2,4-Dinitrophenol	11	U	117-81-7	bis(2-Ethylhexyl)phthalate	2.1	U
121-14-2	2,4-Dinitrotoluene	2.1	U	85-68-7	Butylbenzylphthalate	2.1	U
606-20-2	2,6-Dinitrotoluene	2.1	U	86-74-8	Carbazole	2.1	U
91-58-7	2-Chloronaphthalene	2.1	U	218-01-9	Chrysene	2.1	U
95-57-8	2-Chlorophenol	2.1	U	53-70-3	Dibenzo[a,h]anthracene	2.1	U
91-57-6	2-Methylnaphthalene	2.1	U	132-64-9	Dibenzofuran	0.53	U
95-48-7	2-Methylphenol	0.53	U	84-66-2	Diethylphthalate	2.1	U
88-74-4	2-Nitroaniline	2.1	U	131-11-3	Dimethylphthalate	2.1	U
88-75-5	2-Nitrophenol	2.1	U	84-74-2	Di-n-butylphthalate	0.53	U
106-44-5	3&4-Methylphenol	0.53	U	117-84-0	Di-n-octylphthalate	2.1	U
91-94-1	3,3'-Dichlorobenzidine	2.1	U	206-44-0	Fluoranthene	2.1	U
99-09-2	3-Nitroaniline	2.1	U	86-73-7	Fluorene	2.1	U
534-52-1	4,6-Dinitro-2-methylphenol	11	U	118-74-1	Hexachlorobenzene	2.1	U
101-55-3	4-Bromophenyl-phenylether	2.1	U	87-68-3	Hexachlorobutadiene	2.1	U
59-50-7	4-Chloro-3-methylphenol	2.1	U	77-47-4	Hexachlorocyclopentadiene	2.1	U
106-47-8	4-Chloroaniline	0.53	U	67-72-1	Hexachloroethane	2.1	U
7005-72-3	4-Chlorophenyl-phenylether	2.1	U	193-39-5	Indeno[1,2,3-cd]pyrene	2.1	U
100-01-6	4-Nitroaniline	2.1	U	78-59-1	Isophorone	2.1	U
100-02-7	4-Nitrophenol	2.1	U	91-20-3	Naphthalene	0.53	U
83-32-9	Acenaphthene	2.1	U	98-95-3	Nitrobenzene	2.1	U
208-96-8	Acenaphthylene	2.1	U	62-75-9	N-Nitrosodimethylamine	2.1	U
62-53-3	Aniline	2.1	U	621-64-7	N-Nitroso-di-n-propylamine	0.53	U
120-12-7	Anthracene	2.1	U	86-30-6	n-Nitrosodiphenylamine	2.1	U
92-87-5	Benzidine	11	U	87-86-5	Pentachlorophenol	11	U
56-55-3	Benzo[a]anthracene	2.1	U	85-01-8	Phenanthrene	2.1	U
50-32-8	Benzo[a]pyrene	2.1	U	108-95-2	Phenol	2.1	U
205-99-2	Benzo[b]fluoranthene	2.1	U	129-00-0	Pyrene	2.1	U
191-24-2	Benzo[g,h,i]perylene	2.1	U				

Worksheet #: 235577 ***Total Target Concentration*** 0 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Quantitation Report (QT Reviewed)

2072508 0123

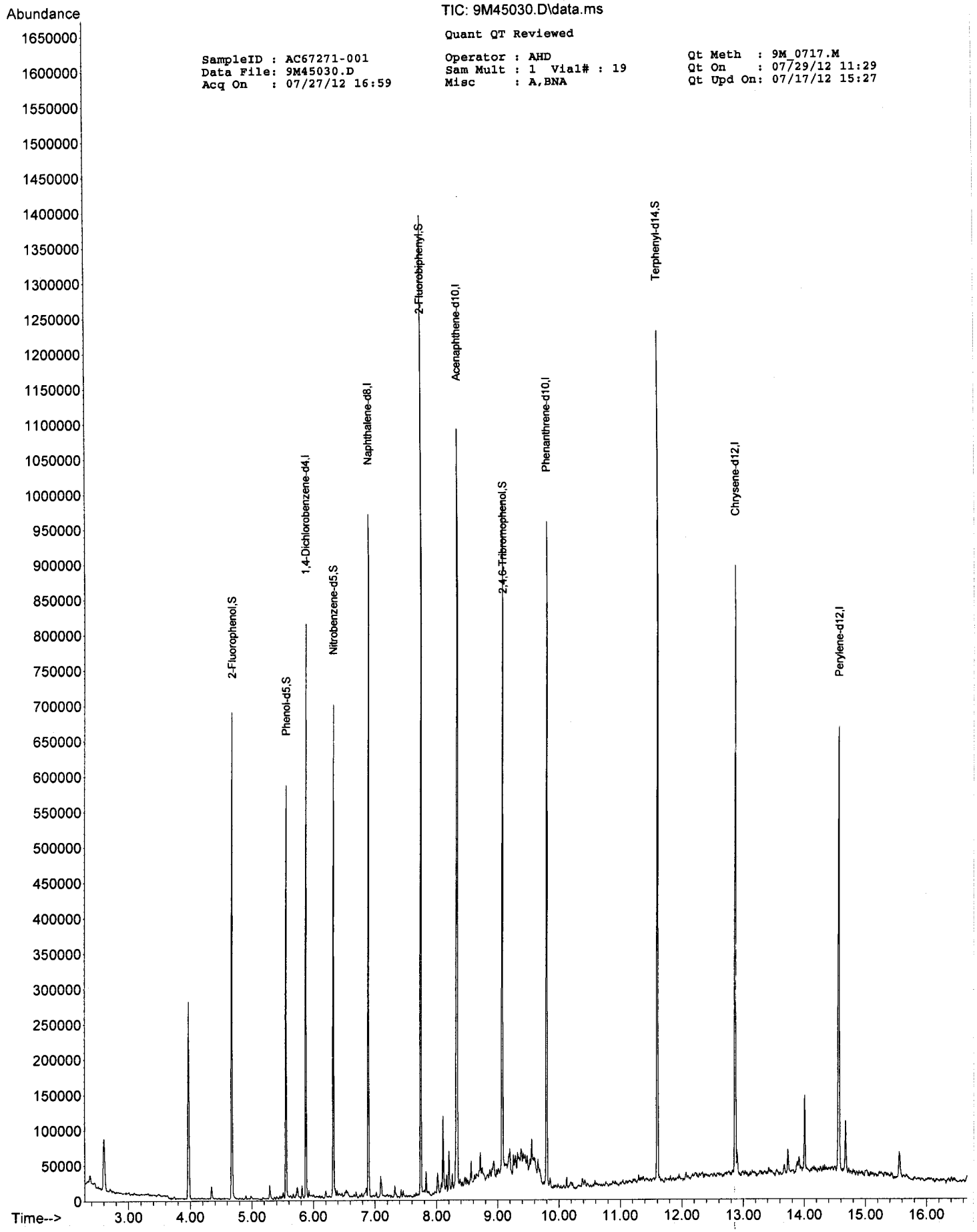
SampleID : AC67271-001 Operator : AHD Qt Meth : 9M_0717.M
Data File: 9M45030.D Sam Mult : 1 Vial# : 19 Qt On : 07/29/12 11:29
Acq On : 07/27/12 16:59 Misc : A,BNA Qt Upd On: 07/17/12 15:27

Data Path : G:\GcMsData\2012\GCMS_9\Data\07-27-12\
Qt Path : G:\GCMSDATA\2012\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.876	152	105911	40.00	ng	-0.02
30) Naphthalene-d8	6.892	136	376401	40.00	ng	-0.03
48) Acenaphthene-d10	8.336	164	205566	40.00	ng	-0.04
75) Phenanthrene-d10	9.796	188	356206	40.00	ng	-0.04
89) Chrysene-d12	12.867	240	329836	40.00	ng	-0.01
101) Perylene-d12	14.567	264	269380	40.00	ng	0.04
System Monitoring Compounds						
11) 2-Fluorophenol	4.678	112	198283	48.37	ng	-0.01
Spiked Amount 100.000			Recovery = 48.37%			
16) Phenol-d5	5.555	99	183145	30.75	ng	-0.02
Spiked Amount 100.000			Recovery = 30.75%			
31) Nitrobenzene-d5	6.325	128	73116	43.34	ng	-0.02
Spiked Amount 50.000			Recovery = 86.68%			
53) 2-Fluorobiphenyl	7.743	172	359934	45.62	ng	-0.04
Spiked Amount 50.000			Recovery = 91.24%			
78) 2,4,6-Tribromophenol	9.080	330	77121	101.28	ng	-0.04
Spiked Amount 100.000			Recovery = 101.28%			
92) Terphenyl-d14	11.599	244	361830	50.72	ng	-0.03
Spiked Amount 50.000			Recovery = 101.44%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M45030.D\data.ms
Quant QT Reviewed
SampleID : AC67271-001
Data File: 9M45030.D
Acq On : 07/27/12 16:59
Operator : AHD
Sam Mult : 1 Vial# : 19
Misc : A,BNA
Qt Meth : 9M_0717.M
Qt On : 07/29/12 11:29
Qt Upd On: 07/17/12 15:27
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC67271-003
Client Id: MW-2 U
Data File: 9M45031.D
Analysis Date: 07/27/12 17:22
Date Rec/Extracted: 07/25/12-07/27/12
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 980ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
122-66-7	1,2-Diphenylhydrazine	2.0	U	207-08-9	Benzo[k]fluoranthene	2.0	U
95-95-4	2,4,5-Trichlorophenol	2.0	U	65-85-0	Benzoic Acid	10	U
88-06-2	2,4,6-Trichlorophenol	2.0	U	111-91-1	bis(2-Chloroethoxy)methan	2.0	U
120-83-2	2,4-Dichlorophenol	2.0	U	111-44-4	bis(2-Chloroethyl)ether	0.51	U
105-67-9	2,4-Dimethylphenol	2.0	U	108-60-1	bis(2-chloroisopropyl)ether	2.0	U
51-28-5	2,4-Dinitrophenol	10	U	117-81-7	bis(2-Ethylhexyl)phthalate	2.0	U
121-14-2	2,4-Dinitrotoluene	2.0	U	85-68-7	Butylbenzylphthalate	2.0	U
606-20-2	2,6-Dinitrotoluene	2.0	U	86-74-8	Carbazole	2.0	U
91-58-7	2-Chloronaphthalene	2.0	U	218-01-9	Chrysene	2.0	U
95-57-8	2-Chlorophenol	2.0	U	53-70-3	Dibenzo[a,h]anthracene	2.0	U
91-57-6	2-Methylnaphthalene	2.0	U	132-64-9	Dibenzofuran	0.51	U
95-48-7	2-Methylphenol	0.51	U	84-66-2	Diethylphthalate	2.0	U
88-74-4	2-Nitroaniline	2.0	U	131-11-3	Dimethylphthalate	2.0	U
88-75-5	2-Nitrophenol	2.0	U	84-74-2	Di-n-butylphthalate	0.51	U
106-44-5	3&4-Methylphenol	0.51	U	117-84-0	Di-n-octylphthalate	2.0	U
91-94-1	3,3'-Dichlorobenzidine	2.0	U	206-44-0	Fluoranthene	2.0	U
99-09-2	3-Nitroaniline	2.0	U	86-73-7	Fluorene	2.0	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U	118-74-1	Hexachlorobenzene	2.0	U
101-55-3	4-Bromophenyl-phenylether	2.0	U	87-68-3	Hexachlorobutadiene	2.0	U
59-50-7	4-Chloro-3-methylphenol	2.0	U	77-47-4	Hexachlorocyclopentadiene	2.0	U
106-47-8	4-Chloroaniline	0.51	U	67-72-1	Hexachloroethane	2.0	U
7005-72-3	4-Chlorophenyl-phenylether	2.0	U	193-39-5	Indeno[1,2,3-cd]pyrene	2.0	U
100-01-6	4-Nitroaniline	2.0	U	78-59-1	Isophorone	2.0	U
100-02-7	4-Nitrophenol	2.0	U	91-20-3	Naphthalene	0.51	U
83-32-9	Acenaphthene	2.0	U	98-95-3	Nitrobenzene	2.0	U
208-96-8	Acenaphthylene	2.0	U	62-75-9	N-Nitrosodimethylamine	2.0	U
62-53-3	Aniline	2.0	U	621-64-7	N-Nitroso-di-n-propylamine	0.51	U
120-12-7	Anthracene	2.0	U	86-30-6	n-Nitrosodiphenylamine	2.0	U
92-87-5	Benzidine	10	U	87-86-5	Pentachlorophenol	10	U
56-55-3	Benzo[a]anthracene	2.0	U	85-01-8	Phenanthrene	2.0	U
50-32-8	Benzo[a]pyrene	2.0	U	108-95-2	Phenol	2.0	U
205-99-2	Benzo[b]fluoranthene	2.0	U	129-00-0	Pyrene	2.0	U
191-24-2	Benzo[g,h,i]perylene	2.0	U				

Worksheet #: 235577

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Quantitation Report (QT Reviewed)

2072508 0126

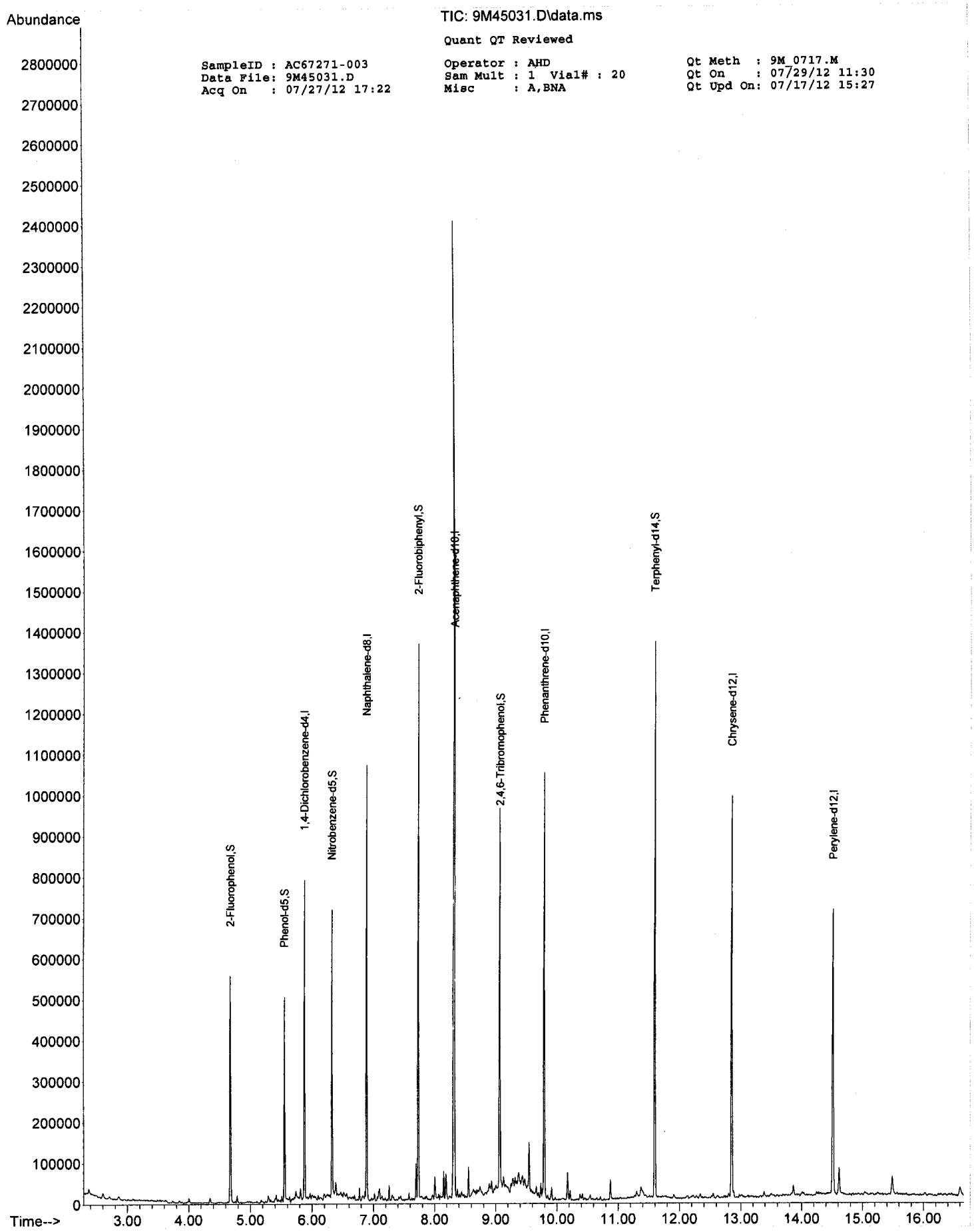
SampleID : AC67271-003 Operator : AHD Qt Meth : 9M_0717.M
Data File: 9M45031.D Sam Mult : 1 Vial# : 20 Qt On : 07/29/12 11:30
Acq On : 07/27/12 17:22 Misc : A,BNA Qt Upd On: 07/17/12 15:27

Data Path : G:\GcMsData\2012\GCMS_9\Data\07-27-12\
Qt Path : G:\GCMSDATA\2012\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.876	152	103908	40.00 ng	-0.02
30) Naphthalene-d8	6.887	136	385463	40.00 ng	-0.04
48) Acenaphthene-d10	8.325	164	218925	40.00 ng	-0.06
75) Phenanthrene-d10	9.791	188	371699	40.00 ng	-0.04
89) Chrysene-d12	12.850	240	366607	40.00 ng	-0.03
101) Perylene-d12	14.514	264	297382	40.00 ng	-0.01
System Monitoring Compounds					
11) 2-Fluorophenol	4.678	112	160762	39.97 ng	-0.01
Spiked Amount 100.000			Recovery = 39.97%		
16) Phenol-d5	5.555	99	155455	26.61 ng	-0.02
Spiked Amount 100.000			Recovery = 26.61%		
31) Nitrobenzene-d5	6.325	128	73808	42.72 ng	-0.02
Spiked Amount 50.000			Recovery = 85.44%		
53) 2-Fluorobiphenyl	7.732	172	343213	40.84 ng	-0.05
Spiked Amount 50.000			Recovery = 81.68%		
78) 2,4,6-Tribromophenol	9.069	330	77055	97.19 ng	-0.05
Spiked Amount 100.000			Recovery = 97.19%		
92) Terphenyl-d14	11.599	244	387050	48.82 ng	-0.03
Spiked Amount 50.000			Recovery = 97.64%		

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : AC67271-003
Data File: 9M45031.D
Acq On : 07/27/12 17:22
Operator : AHD
Sam Mult : 1 Vial# : 20
Misc : A,BNA
Qt Meth : 9M_0717.M
Qt On : 07/29/12 11:30
Qt Upd On: 07/17/12 15:27
Abundance
Time-->
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC67271-005(R)
Client Id: MW-3 U
Data File: 5M76270.D
Analysis Date: 07/31/12 17:17
Date Rec/Extracted: 07/25/12-07/30/12
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 840ml
Final Vol: 0.5ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
122-66-7	1,2-Diphenylhydrazine	1.2	U	207-08-9	Benzo[k]fluoranthene	1.2	U
95-95-4	2,4,5-Trichlorophenol	1.2	U	65-85-0	Benzoic Acid	6.0	U
88-06-2	2,4,6-Trichlorophenol	1.2	U	111-91-1	bis(2-Chloroethoxy)methan	1.2	U
120-83-2	2,4-Dichlorophenol	1.2	U	111-44-4	bis(2-Chloroethyl)ether	0.30	U
105-67-9	2,4-Dimethylphenol	1.2	U	108-60-1	bis(2-chloroisopropyl)ether	1.2	U
51-28-5	2,4-Dinitrophenol	6.0	U	117-81-7	bis(2-Ethylhexyl)phthalate	1.2	U
121-14-2	2,4-Dinitrotoluene	1.2	U	85-68-7	Butylbenzylphthalate	1.2	U
606-20-2	2,6-Dinitrotoluene	1.2	U	86-74-8	Carbazole	1.2	U
91-58-7	2-Chloronaphthalene	1.2	U	218-01-9	Chrysene	1.2	U
95-57-8	2-Chlorophenol	1.2	U	53-70-3	Dibenzo[a,h]anthracene	1.2	U
91-57-6	2-Methylnaphthalene	1.2	U	132-64-9	Dibenzofuran	0.30	U
95-48-7	2-Methylphenol	0.30	U	84-66-2	Diethylphthalate	1.2	U
88-74-4	2-Nitroaniline	1.2	U	131-11-3	Dimethylphthalate	1.2	U
88-75-5	2-Nitrophenol	1.2	U	84-74-2	Di-n-butylphthalate	0.30	U
106-44-5	3&4-Methylphenol	0.30	U	117-84-0	Di-n-octylphthalate	1.2	U
91-94-1	3,3'-Dichlorobenzidine	1.2	U	206-44-0	Fluoranthene	1.2	U
99-09-2	3-Nitroaniline	1.2	U	86-73-7	Fluorene	1.2	U
534-52-1	4,6-Dinitro-2-methylphenol	1.2	U	118-74-1	Hexachlorobenzene	1.2	U
101-55-3	4-Bromophenyl-phenylether	1.2	U	87-68-3	Hexachlorobutadiene	1.2	U
59-50-7	4-Chloro-3-methylphenol	1.2	U	77-47-4	Hexachlorocyclopentadiene	1.2	U
106-47-8	4-Chloroaniline	0.30	U	67-72-1	Hexachloroethane	1.2	U
7005-72-3	4-Chlorophenyl-phenylether	1.2	U	193-39-5	Indeno[1,2,3-cd]pyrene	1.2	U
100-01-6	4-Nitroaniline	1.2	U	78-59-1	Isophorone	1.2	U
100-02-7	4-Nitrophenol	1.2	U	91-20-3	Naphthalene	0.30	U
83-32-9	Acenaphthene	1.2	U	98-95-3	Nitrobenzene	1.2	U
208-96-8	Acenaphthylene	1.2	U	62-75-9	N-Nitrosodimethylamine	1.2	U
62-53-3	Aniline	1.2	U	621-64-7	N-Nitroso-di-n-propylamine	0.30	U
120-12-7	Anthracene	1.2	U	86-30-6	n-Nitrosodiphenylamine	1.2	U
92-87-5	Benzidine	6.0	U	87-86-5	Pentachlorophenol	6.0	U
56-55-3	Benzo[a]anthracene	1.2	U	85-01-8	Phenanthrene	1.2	U
50-32-8	Benzo[a]pyrene	1.2	U	108-95-2	Phenol	1.2	U
205-99-2	Benzo[b]fluoranthene	1.2	U	129-00-0	Pyrene	1.2	U
191-24-2	Benzo[g,h,i]perylene	1.2	U				

Worksheet #: 235577

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Quantitation Report (QT Reviewed)

2072508 0129

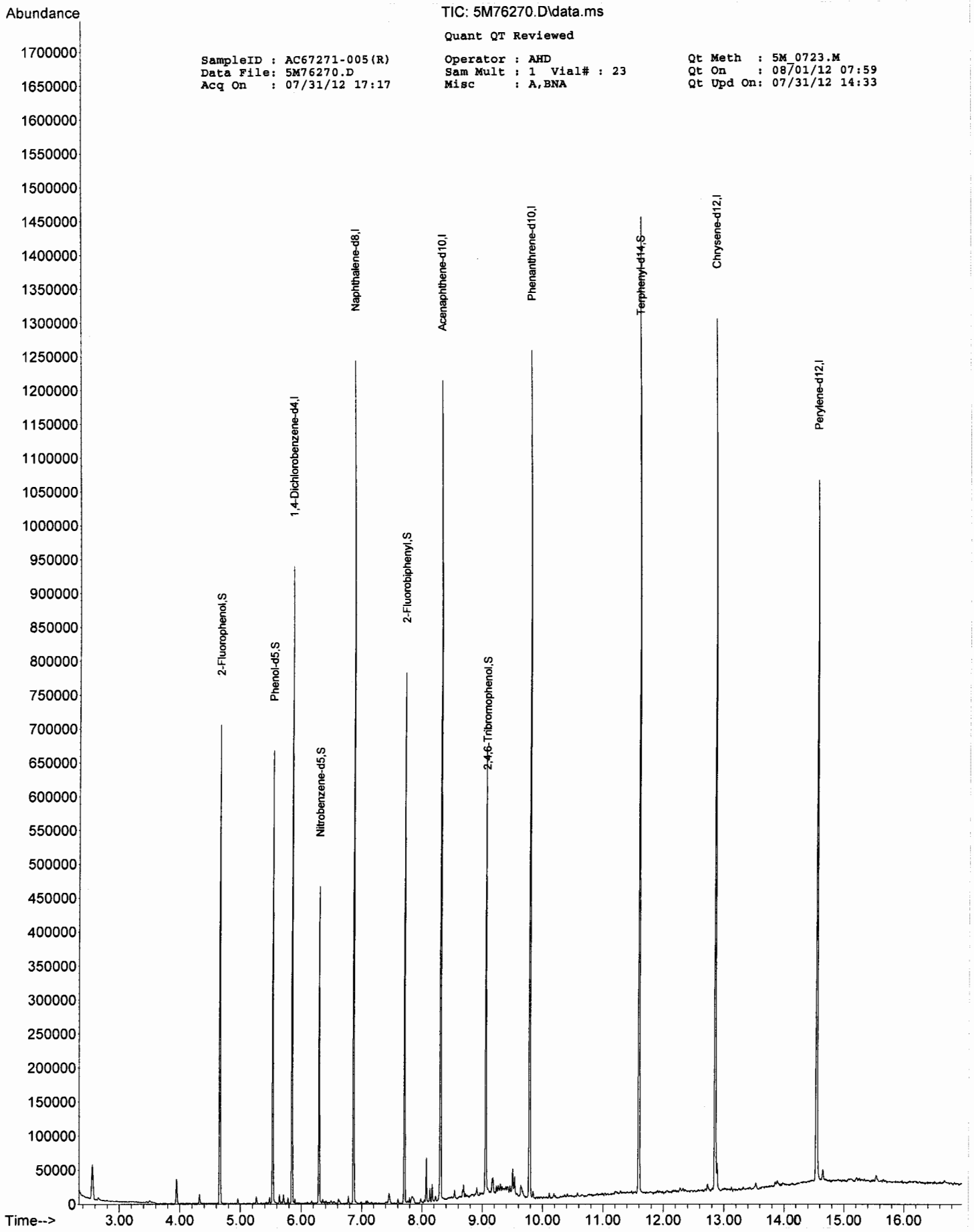
SampleID : AC67271-005(R) Operator : AHD Qt Meth : 5M_0723.M
Data File: 5M76270.D Sam Mult : 1 Vial# : 23 Qt On : 08/01/12 07:59
Acq On : 07/31/12 17:17 Misc : A,BNA Qt Upd On: 07/31/12 14:33

Data Path : G:\GcMsData\2012\GCMS_5\Data\07-31-12\
Qt Path : G:\GCMSDATA\2012\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.847	152	130368	40.00	ng	0.00
30) Naphthalene-d8	6.862	136	474296	40.00	ng	-0.01
48) Acenaphthene-d10	8.305	164	268811	40.00	ng	-0.03
75) Phenanthrene-d10	9.784	188	498040	40.00	ng	-0.02
89) Chrysene-d12	12.851	240	519448	40.00	ng	-0.01
101) Perylene-d12	14.539	264	502403	40.00	ng	-0.03
System Monitoring Compounds						
11) 2-Fluorophenol	4.656	112	204821	45.47	ng	0.00
Spiked Amount 100.000			Recovery = 45.47%			
16) Phenol-d5	5.532	99	216093	35.65	ng	0.00
Spiked Amount 100.000			Recovery = 35.65%			
31) Nitrobenzene-d5	6.296	128	65114	30.52	ng	0.00
Spiked Amount 50.000			Recovery = 61.04%			
53) 2-Fluorobiphenyl	7.712	172	236625	22.82	ng	-0.02
Spiked Amount 50.000			Recovery = 45.64%			
78) 2,4,6-Tribromophenol	9.058	330	79466	57.36	ng	-0.02
Spiked Amount 100.000			Recovery = 57.36%			
92) Terphenyl-d14	11.595	244	499848	40.55	ng	0.00
Spiked Amount 50.000			Recovery = 81.10%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
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Quant QT Reviewed
SampleID : AC67271-005(R)
Data File: 5M76270.D
Acq On : 07/31/12 17:17
Operator : AHD
Sam Mult : 1 Vial# : 23
Misc : A,BNA
Qt Meth : 5M_0723.M
Qt On : 08/01/12 07:59
Qt Upd On: 07/31/12 14:33
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC67271-007(R)
Client Id: MW-3 DUPLICATE U
Data File: 5M76271.D
Analysis Date: 07/31/12 17:41
Date Rec/Extracted: 07/25/12-07/30/12
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 860ml
Final Vol: 0.5ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
122-66-7	1,2-Diphenylhydrazine	1.2	U	207-08-9	Benzo[k]fluoranthene	1.2	U
95-95-4	2,4,5-Trichlorophenol	1.2	U	65-85-0	Benzoic Acid	5.8	U
88-06-2	2,4,6-Trichlorophenol	1.2	U	111-91-1	bis(2-Chloroethoxy)methan	1.2	U
120-83-2	2,4-Dichlorophenol	1.2	U	111-44-4	bis(2-Chloroethyl)ether	0.29	U
105-67-9	2,4-Dimethylphenol	1.2	U	108-60-1	bis(2-chloroisopropyl)ether	1.2	U
51-28-5	2,4-Dinitrophenol	5.8	U	117-81-7	bis(2-Ethylhexyl)phthalate	1.2	U
121-14-2	2,4-Dinitrotoluene	1.2	U	85-68-7	Butylbenzylphthalate	1.2	U
606-20-2	2,6-Dinitrotoluene	1.2	U	86-74-8	Carbazole	1.2	U
91-58-7	2-Chloronaphthalene	1.2	U	218-01-9	Chrysene	1.2	U
95-57-8	2-Chlorophenol	1.2	U	53-70-3	Dibenzo[a,h]anthracene	1.2	U
91-57-6	2-Methylnaphthalene	1.2	U	132-64-9	Dibenzofuran	0.29	U
95-48-7	2-Methylphenol	0.29	U	84-66-2	Diethylphthalate	1.2	U
88-74-4	2-Nitroaniline	1.2	U	131-11-3	Dimethylphthalate	1.2	U
88-75-5	2-Nitrophenol	1.2	U	84-74-2	Di-n-butylphthalate	0.29	U
106-44-5	3&4-Methylphenol	0.29	U	117-84-0	Di-n-octylphthalate	1.2	U
91-94-1	3,3'-Dichlorobenzidine	1.2	U	206-44-0	Fluoranthene	1.2	U
99-09-2	3-Nitroaniline	1.2	U	86-73-7	Fluorene	1.2	U
534-52-1	4,6-Dinitro-2-methylphenol	1.2	U	118-74-1	Hexachlorobenzene	1.2	U
101-55-3	4-Bromophenyl-phenylether	1.2	U	87-68-3	Hexachlorobutadiene	1.2	U
59-50-7	4-Chloro-3-methylphenol	1.2	U	77-47-4	Hexachlorocyclopentadiene	1.2	U
106-47-8	4-Chloroaniline	0.29	U	67-72-1	Hexachloroethane	1.2	U
7005-72-3	4-Chlorophenyl-phenylether	1.2	U	193-39-5	Indeno[1,2,3-cd]pyrene	1.2	U
100-01-6	4-Nitroaniline	1.2	U	78-59-1	Isophorone	1.2	U
100-02-7	4-Nitrophenol	1.2	U	91-20-3	Naphthalene	0.29	U
83-32-9	Acenaphthene	1.2	U	98-95-3	Nitrobenzene	1.2	U
208-96-8	Acenaphthylene	1.2	U	62-75-9	N-Nitrosodimethylamine	1.2	U
62-53-3	Aniline	1.2	U	621-64-7	N-Nitroso-di-n-propylamine	0.29	U
120-12-7	Anthracene	1.2	U	86-30-6	n-Nitrosodiphenylamine	1.2	U
92-87-5	Benzidine	5.8	U	87-86-5	Pentachlorophenol	5.8	U
56-55-3	Benzo[a]anthracene	1.2	U	85-01-8	Phenanthrene	1.2	U
50-32-8	Benzo[a]pyrene	1.2	U	108-95-2	Phenol	1.2	U
205-99-2	Benzo[b]fluoranthene	1.2	U	129-00-0	Pyrene	1.2	U
191-24-2	Benzo[g,h,i]perylene	1.2	U				

Worksheet #: 235577 ***Total Target Concentration*** 0 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Quantitation Report (QT Reviewed)

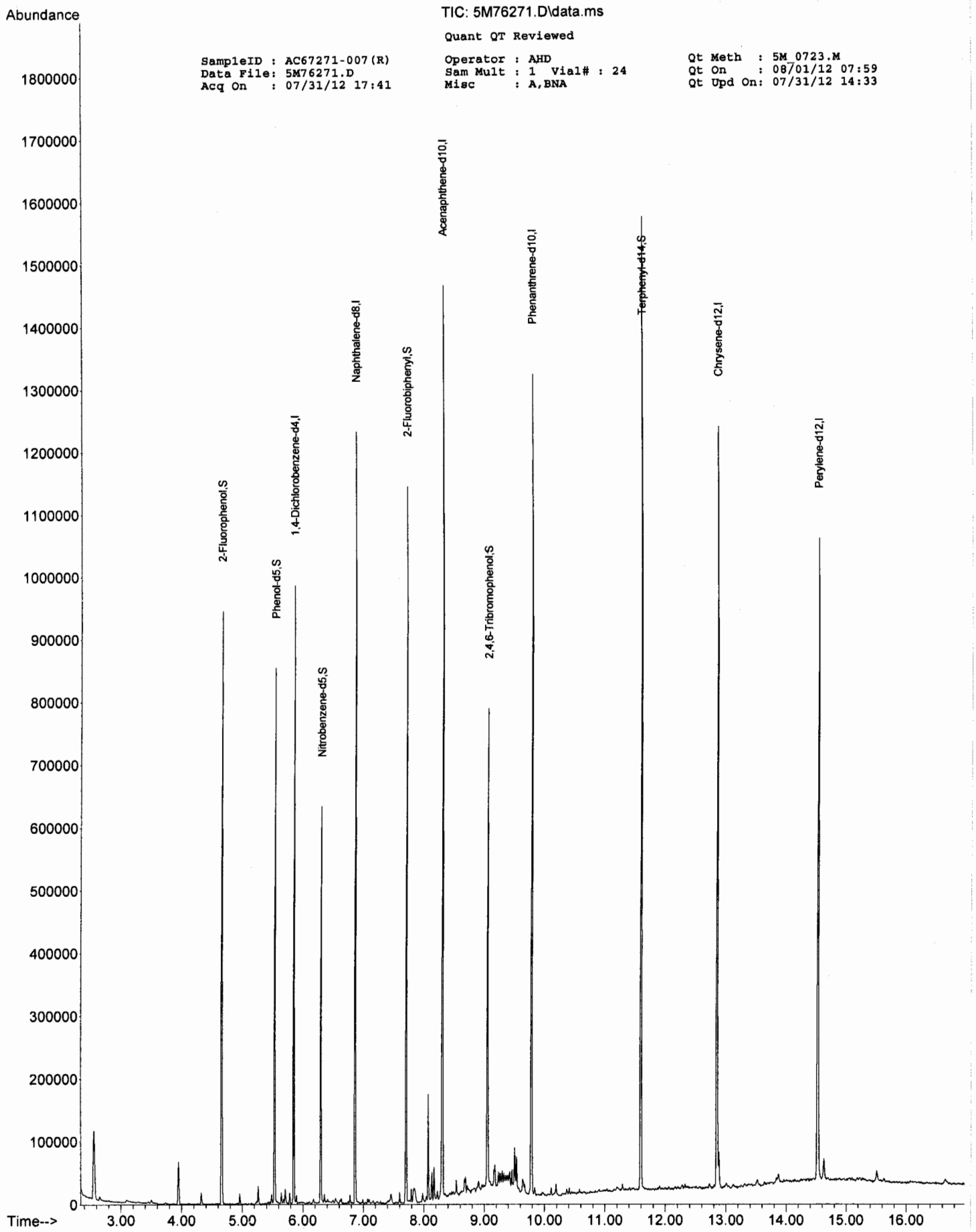
2072508 0132

SampleID : AC67271-007(R) Operator : AHD Qt Meth : 5M_0723.M
Data File: 5M76271.D Sam Mult : 1 Vial# : 24 Qt On : 08/01/12 07:59
Acq On : 07/31/12 17:41 Misc : A,BNA Qt Upd On: 07/31/12 14:33

Data Path : G:\GcMsData\2012\GCMS_5\Data\07-31-12\
Qt Path : G:\GCMSDATA\2012\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.847	152	138109	40.00 ng	0.00
30) Naphthalene-d8	6.862	136	509198	40.00 ng	-0.01
48) Acenaphthene-d10	8.305	164	295665	40.00 ng	-0.03
75) Phenanthrene-d10	9.779	188	533787	40.00 ng	-0.02
89) Chrysene-d12	12.851	240	531693	40.00 ng	-0.01
101) Perylene-d12	14.518	264	486360	40.00 ng	-0.05
System Monitoring Compounds					
11) 2-Fluorophenol	4.656	112	278448	58.35 ng	0.00
Spiked Amount 100.000			Recovery = 58.35%		
16) Phenol-d5	5.532	99	281428	43.83 ng	0.00
Spiked Amount 100.000			Recovery = 43.83%		
31) Nitrobenzene-d5	6.296	128	90476	39.50 ng	0.00
Spiked Amount 50.000			Recovery = 79.00%		
53) 2-Fluorobiphenyl	7.706	172	313777	27.51 ng	-0.03
Spiked Amount 50.000			Recovery = 55.02%		
78) 2,4,6-Tribromophenol	9.053	330	94347	63.55 ng	-0.02
Spiked Amount 100.000			Recovery = 63.55%		
92) Terphenyl-d14	11.595	244	563898	44.69 ng	0.00
Spiked Amount 50.000			Recovery = 89.38%		
Target Compounds					Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 5M76271.D\data.ms
Quant QT Reviewed
SampleID : AC67271-007(R)
Data File: 5M76271.D
Acq On : 07/31/12 17:41
Operator : AHD
Sam Mult : 1 Vial# : 24
Misc : A,BNA
Qt Meth : 5M_0723.M
Qt On : 08/01/12 07:59
Qt Upd On: 07/31/12 14:33
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC67271-009
Client Id: MW-4 U
Data File: 9M45034.D
Analysis Date: 07/27/12 18:32
Date Rec/Extracted: 07/25/12-07/27/12
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 940ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
122-66-7	1,2-Diphenylhydrazine	2.1	U	207-08-9	Benzo[k]fluoranthene	2.1	U
95-95-4	2,4,5-Trichlorophenol	2.1	U	65-85-0	Benzoic Acid	11	U
88-06-2	2,4,6-Trichlorophenol	2.1	U	111-91-1	bis(2-Chloroethoxy)methan	2.1	U
120-83-2	2,4-Dichlorophenol	2.1	U	111-44-4	bis(2-Chloroethyl)ether	0.53	U
105-67-9	2,4-Dimethylphenol	2.1	U	108-60-1	bis(2-chloroisopropyl)ether	2.1	U
51-28-5	2,4-Dinitrophenol	11	U	**117-81-7**	**bis(2-Ethylhexyl)phthalate**	**2.1**	**5.9**
121-14-2	2,4-Dinitrotoluene	2.1	U	85-68-7	Butylbenzylphthalate	2.1	U
606-20-2	2,6-Dinitrotoluene	2.1	U	86-74-8	Carbazole	2.1	U
91-58-7	2-Chloronaphthalene	2.1	U	218-01-9	Chrysene	2.1	U
95-57-8	2-Chlorophenol	2.1	U	53-70-3	Dibenzo[a,h]anthracene	2.1	U
91-57-6	2-Methylnaphthalene	2.1	U	132-64-9	Dibenzofuran	0.53	U
95-48-7	2-Methylphenol	0.53	U	84-66-2	Diethylphthalate	2.1	U
88-74-4	2-Nitroaniline	2.1	U	131-11-3	Dimethylphthalate	2.1	U
88-75-5	2-Nitrophenol	2.1	U	84-74-2	Di-n-butylphthalate	0.53	U
106-44-5	3&4-Methylphenol	0.53	U	117-84-0	Di-n-octylphthalate	2.1	U
91-94-1	3,3'-Dichlorobenzidine	2.1	U	206-44-0	Fluoranthene	2.1	U
99-09-2	3-Nitroaniline	2.1	U	86-73-7	Fluorene	2.1	U
534-52-1	4,6-Dinitro-2-methylphenol	11	U	118-74-1	Hexachlorobenzene	2.1	U
101-55-3	4-Bromophenyl-phenylether	2.1	U	87-68-3	Hexachlorobutadiene	2.1	U
59-50-7	4-Chloro-3-methylphenol	2.1	U	77-47-4	Hexachlorocyclopentadiene	2.1	U
106-47-8	4-Chloroaniline	0.53	U	67-72-1	Hexachloroethane	2.1	U
7005-72-3	4-Chlorophenyl-phenylether	2.1	U	193-39-5	Indeno[1,2,3-cd]pyrene	2.1	U
100-01-6	4-Nitroaniline	2.1	U	78-59-1	Isophorone	2.1	U
100-02-7	4-Nitrophenol	2.1	U	91-20-3	Naphthalene	0.53	U
83-32-9	Acenaphthene	2.1	U	98-95-3	Nitrobenzene	2.1	U
208-96-8	Acenaphthylene	2.1	U	62-75-9	N-Nitrosodimethylamine	2.1	U
62-53-3	Aniline	2.1	U	621-64-7	N-Nitroso-di-n-propylamine	0.53	U
120-12-7	Anthracene	2.1	U	86-30-6	n-Nitrosodiphenylamine	2.1	U
92-87-5	Benzidine	11	U	87-86-5	Pentachlorophenol	11	U
56-55-3	Benzo[a]anthracene	2.1	U	85-01-8	Phenanthrene	2.1	U
50-32-8	Benzo[a]pyrene	2.1	U	108-95-2	Phenol	2.1	U
205-99-2	Benzo[b]fluoranthene	2.1	U	129-00-0	Pyrene	2.1	U
191-24-2	Benzo[g,h,i]perylene	2.1	U				

Worksheet #: 235577 ***Total Target Concentration*** 5.9 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Quantitation Report (QT Reviewed)

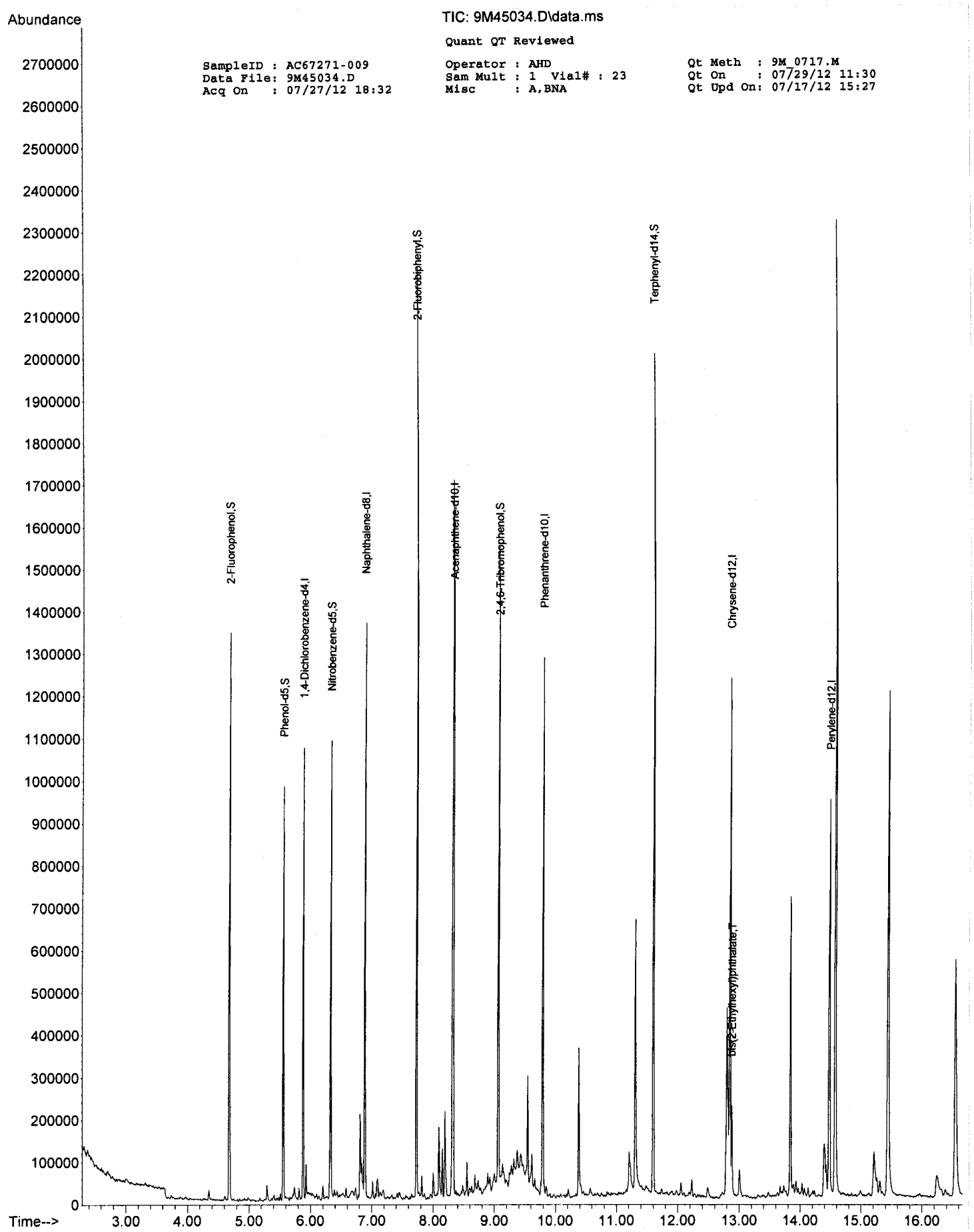
2072508 0135

SampleID : AC67271-009 Operator : AHD Qt Meth : 9M_0717.M
Data File: 9M45034.D Sam Mult : 1 Vial# : 23 Qt On : 07/29/12 11:30
Acq On : 07/27/12 18:32 Misc : A,BNA Qt Upd On: 07/17/12 15:27

Data Path : G:\GcMsData\2012\GCMS_9\Data\07-27-12\
Qt Path : G:\GCMSDATA\2012\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.876	152	140438	40.00 ng	-0.02
30) Naphthalene-d8	6.887	136	498128	40.00 ng	-0.04
48) Acenaphthene-d10	8.325	164	290985	40.00 ng	-0.06
75) Phenanthrene-d10	9.791	188	467297	40.00 ng	-0.04
89) Chrysene-d12	12.845	240	448563	40.00 ng	-0.03
101) Perylene-d12	14.476	264	369148	40.00 ng	-0.05
System Monitoring Compounds					
11) 2-Fluorophenol	4.678	112	357397	65.75 ng	-0.01
Spiked Amount 100.000			Recovery = 65.75%		
16) Phenol-d5	5.555	99	311829	39.49 ng	-0.02
Spiked Amount 100.000			Recovery = 39.49%		
31) Nitrobenzene-d5	6.325	128	122253	54.76 ng	-0.02
Spiked Amount 50.000			Recovery = 109.52%		
53) 2-Fluorobiphenyl	7.732	172	596689	53.43 ng	-0.05
Spiked Amount 50.000			Recovery = 106.86%		
78) 2,4,6-Tribromophenol	9.069	330	128482	126.88 ng	-0.05
Spiked Amount 100.000			Recovery = 126.88%		
92) Terphenyl-d14	11.599	244	581307	59.92 ng	-0.03
Spiked Amount 50.000			Recovery = 119.84%		
Target Compounds					Qvalue
100) bis(2-Ethylhexyl)phtha...	12.877	149	57668	5.5559 ng	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
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Quant QT Reviewed
SampleID : AC67271-009
Data File: 9M45034.D
Acq On : 07/27/12 18:32
Operator : AHD
Sam Mult : 1 Vial# : 23
Misc : A,BNA
Qt Meth : 9M_0717.M
Qt On : 07/29/12 11:30
Qt Upd On: 07/17/12 15:27
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
bis(2-Ethylhexyl)phthalate,T
Perylene-d12,I
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC67271-012
Client Id: FIELD BLANK U
Data File: 9M45035.D
Analysis Date: 07/27/12 18:55
Date Rec/Extracted: 07/25/12-07/27/12
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 900ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
122-66-7	1,2-Diphenylhydrazine	2.2	U	207-08-9	Benzo[k]fluoranthene	2.2	U
95-95-4	2,4,5-Trichlorophenol	2.2	U	65-85-0	Benzoic Acid	11	U
88-06-2	2,4,6-Trichlorophenol	2.2	U	111-91-1	bis(2-Chloroethoxy)methan	2.2	U
120-83-2	2,4-Dichlorophenol	2.2	U	111-44-4	bis(2-Chloroethyl)ether	0.56	U
105-67-9	2,4-Dimethylphenol	2.2	U	108-60-1	bis(2-chloroisopropyl)ether	2.2	U
51-28-5	2,4-Dinitrophenol	11	U	117-81-7	bis(2-Ethylhexyl)phthalate	2.2	U
121-14-2	2,4-Dinitrotoluene	2.2	U	85-68-7	Butylbenzylphthalate	2.2	U
606-20-2	2,6-Dinitrotoluene	2.2	U	86-74-8	Carbazole	2.2	U
91-58-7	2-Chloronaphthalene	2.2	U	218-01-9	Chrysene	2.2	U
95-57-8	2-Chlorophenol	2.2	U	53-70-3	Dibenzo[a,h]anthracene	2.2	U
91-57-6	2-Methylnaphthalene	2.2	U	132-64-9	Dibenzofuran	0.56	U
95-48-7	2-Methylphenol	0.56	U	84-66-2	Diethylphthalate	2.2	U
88-74-4	2-Nitroaniline	2.2	U	131-11-3	Dimethylphthalate	2.2	U
88-75-5	2-Nitrophenol	2.2	U	84-74-2	Di-n-butylphthalate	0.56	U
106-44-5	3&4-Methylphenol	0.56	U	117-84-0	Di-n-octylphthalate	2.2	U
91-94-1	3,3'-Dichlorobenzidine	2.2	U	206-44-0	Fluoranthene	2.2	U
99-09-2	3-Nitroaniline	2.2	U	86-73-7	Fluorene	2.2	U
534-52-1	4,6-Dinitro-2-methylphenol	11	U	118-74-1	Hexachlorobenzene	2.2	U
101-55-3	4-Bromophenyl-phenylether	2.2	U	87-68-3	Hexachlorobutadiene	2.2	U
59-50-7	4-Chloro-3-methylphenol	2.2	U	77-47-4	Hexachlorocyclopentadiene	2.2	U
106-47-8	4-Chloroaniline	0.56	U	67-72-1	Hexachloroethane	2.2	U
7005-72-3	4-Chlorophenyl-phenylether	2.2	U	193-39-5	Indeno[1,2,3-cd]pyrene	2.2	U
100-01-6	4-Nitroaniline	2.2	U	78-59-1	Isophorone	2.2	U
100-02-7	4-Nitrophenol	2.2	U	91-20-3	Naphthalene	0.56	U
83-32-9	Acenaphthene	2.2	U	98-95-3	Nitrobenzene	2.2	U
208-96-8	Acenaphthylene	2.2	U	62-75-9	N-Nitrosodimethylamine	2.2	U
62-53-3	Aniline	2.2	U	621-64-7	N-Nitroso-di-n-propylamine	0.56	U
120-12-7	Anthracene	2.2	U	86-30-6	n-Nitrosodiphenylamine	2.2	U
92-87-5	Benzidine	11	U	87-86-5	Pentachlorophenol	11	U
56-55-3	Benzo[a]anthracene	2.2	U	85-01-8	Phenanthrene	2.2	U
50-32-8	Benzo[a]pyrene	2.2	U	108-95-2	Phenol	2.2	U
205-99-2	Benzo[b]fluoranthene	2.2	U	129-00-0	Pyrene	2.2	U
191-24-2	Benzo[g,h,i]perylene	2.2	U				

Worksheet #: 235577

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Quantitation Report (QT Reviewed)

2072508 0138

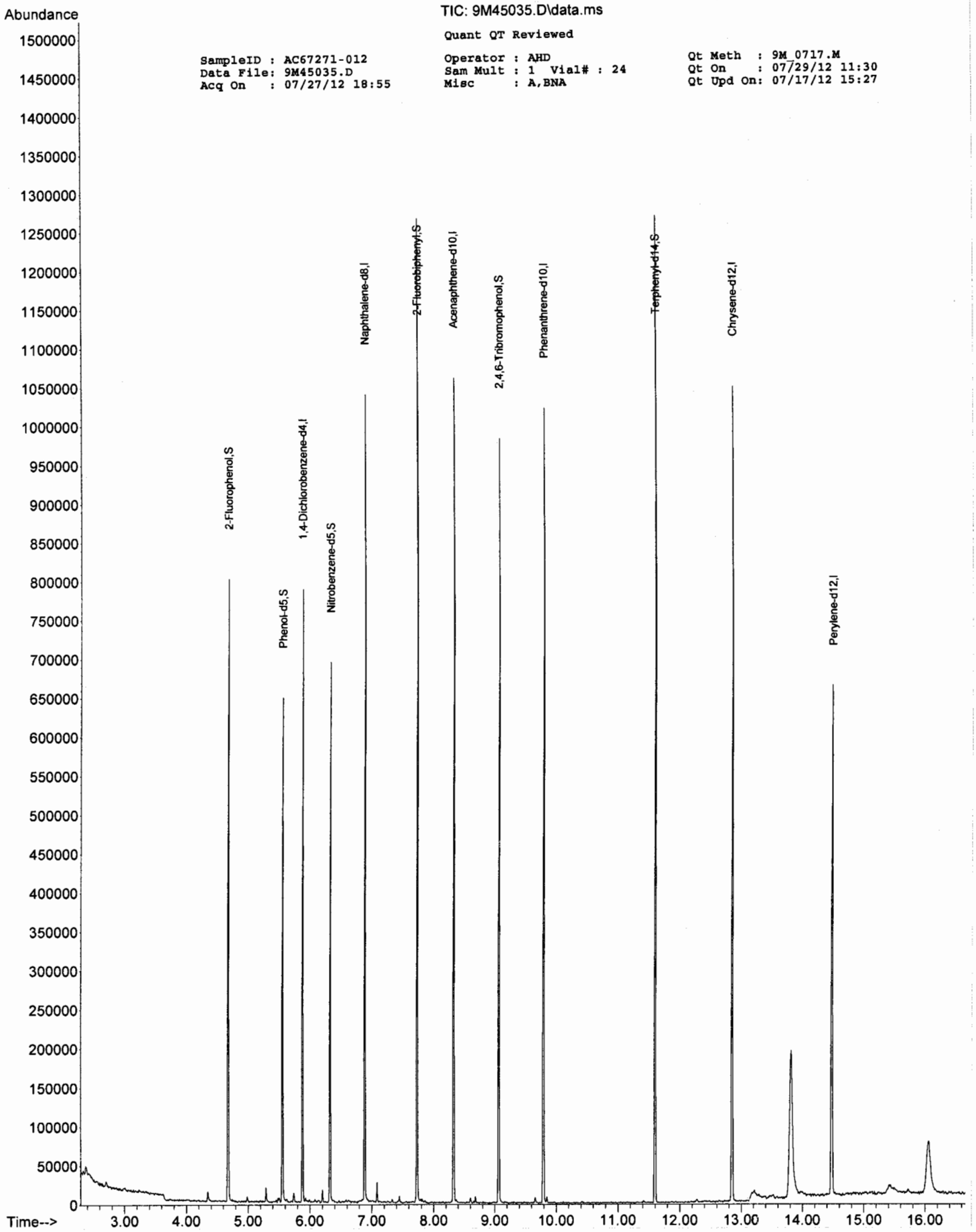
SampleID : AC67271-012 Operator : AHD Qt Meth : 9M_0717.M
Data File: 9M45035.D Sam Mult : 1 Vial# : 24 Qt On : 07/29/12 11:30
Acq On : 07/27/12 18:55 Misc : A,BNA Qt Upd On: 07/17/12 15:27

Data Path : G:\GcMsData\2012\GCMS_9\Data\07-27-12\
Qt Path : G:\GCMSDATA\2012\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.876	152	104157	40.00 ng	-0.02
30) Naphthalene-d8	6.887	136	400295	40.00 ng	-0.04
48) Acenaphthene-d10	8.320	164	222734	40.00 ng	-0.06
75) Phenanthrene-d10	9.791	188	374722	40.00 ng	-0.04
89) Chrysene-d12	12.845	240	370269	40.00 ng	-0.03
101) Perylene-d12	14.476	264	279411	40.00 ng	-0.05
System Monitoring Compounds					
11) 2-Fluorophenol	4.678	112	220704	54.75 ng	-0.01
Spiked Amount 100.000			Recovery = 54.75%		
16) Phenol-d5	5.555	99	201299	34.37 ng	-0.02
Spiked Amount 100.000			Recovery = 34.37%		
31) Nitrobenzene-d5	6.325	128	76311	42.53 ng	-0.02
Spiked Amount 50.000			Recovery = 85.06%		
53) 2-Fluorobiphenyl	7.732	172	369653	43.24 ng	-0.05
Spiked Amount 50.000			Recovery = 86.48%		
78) 2,4,6-Tribromophenol	9.064	330	76081	95.28 ng	-0.06
Spiked Amount 100.000			Recovery = 95.28%		
92) Terphenyl-d14	11.599	244	380508	47.52 ng	-0.03
Spiked Amount 50.000			Recovery = 95.04%		

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


TIC: 9M45035.D\data.ms
Quant QT Reviewed
SampleID : AC67271-012
Data File: 9M45035.D
Acq On : 07/27/12 18:55
Operator : AHD
Sam Mult : 1 Vial# : 24
Misc : A,BNA
Qt Meth : 9M_0717.M
Qt On : 07/29/12 11:30
Qt Upd On: 07/17/12 15:27
Abundance
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: WMB14943
Client Id:
Data File: 5M76219.D
Analysis Date: 07/27/12 15:07
Date Rec/Extracted: NA-07/27/12
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
122-66-7	1,2-Diphenylhydrazine	2.0	U	207-08-9	Benzo[k]fluoranthene	2.0	U
95-95-4	2,4,5-Trichlorophenol	2.0	U	65-85-0	Benzoic Acid	10	U
88-06-2	2,4,6-Trichlorophenol	2.0	U	111-91-1	bis(2-Chloroethoxy)methan	2.0	U
120-83-2	2,4-Dichlorophenol	2.0	U	111-44-4	bis(2-Chloroethyl)ether	0.50	U
105-67-9	2,4-Dimethylphenol	2.0	U	108-60-1	bis(2-chloroisopropyl)ether	2.0	U
51-28-5	2,4-Dinitrophenol	10	U	117-81-7	bis(2-Ethylhexyl)phthalate	2.0	U
121-14-2	2,4-Dinitrotoluene	2.0	U	85-68-7	Butylbenzylphthalate	2.0	U
606-20-2	2,6-Dinitrotoluene	2.0	U	86-74-8	Carbazole	2.0	U
91-58-7	2-Chloronaphthalene	2.0	U	218-01-9	Chrysene	2.0	U
95-57-8	2-Chlorophenol	2.0	U	53-70-3	Dibenzo[a,h]anthracene	2.0	U
91-57-6	2-Methylnaphthalene	2.0	U	132-64-9	Dibenzofuran	0.50	U
95-48-7	2-Methylphenol	0.50	U	84-66-2	Diethylphthalate	2.0	U
88-74-4	2-Nitroaniline	2.0	U	131-11-3	Dimethylphthalate	2.0	U
88-75-5	2-Nitrophenol	2.0	U	84-74-2	Di-n-butylphthalate	0.50	U
106-44-5	3&4-Methylphenol	0.50	U	117-84-0	Di-n-octylphthalate	2.0	U
91-94-1	3,3'-Dichlorobenzidine	2.0	U	206-44-0	Fluoranthene	2.0	U
99-09-2	3-Nitroaniline	2.0	U	86-73-7	Fluorene	2.0	U
534-52-1	4,6-Dinitro-2-methylphenol	2.0	U	118-74-1	Hexachlorobenzene	2.0	U
101-55-3	4-Bromophenyl-phenylether	2.0	U	87-68-3	Hexachlorobutadiene	2.0	U
59-50-7	4-Chloro-3-methylphenol	2.0	U	77-47-4	Hexachlorocyclopentadiene	2.0	U
106-47-8	4-Chloroaniline	0.50	U	67-72-1	Hexachloroethane	2.0	U
7005-72-3	4-Chlorophenyl-phenylether	2.0	U	193-39-5	Indeno[1,2,3-cd]pyrene	2.0	U
100-01-6	4-Nitroaniline	2.0	U	78-59-1	Isophorone	2.0	U
100-02-7	4-Nitrophenol	2.0	U	91-20-3	Naphthalene	0.50	U
83-32-9	Acenaphthene	2.0	U	98-95-3	Nitrobenzene	2.0	U
208-96-8	Acenaphthylene	2.0	U	62-75-9	N-Nitrosodimethylamine	2.0	U
62-53-3	Aniline	2.0	U	621-64-7	N-Nitroso-di-n-propylamine	0.50	U
120-12-7	Anthracene	2.0	U	86-30-6	n-Nitrosodiphenylamine	2.0	U
92-87-5	Benzidine	10	U	87-86-5	Pentachlorophenol	10	U
56-55-3	Benzo[a]anthracene	2.0	U	85-01-8	Phenanthrene	2.0	U
50-32-8	Benzo[a]pyrene	2.0	U	108-95-2	Phenol	2.0	U
205-99-2	Benzo[b]fluoranthene	2.0	U	129-00-0	Pyrene	2.0	U
191-24-2	Benzo[g,h,i]perylene	2.0	U				

Worksheet #: 235577

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Quantitation Report (QT Reviewed)

2072508 0141

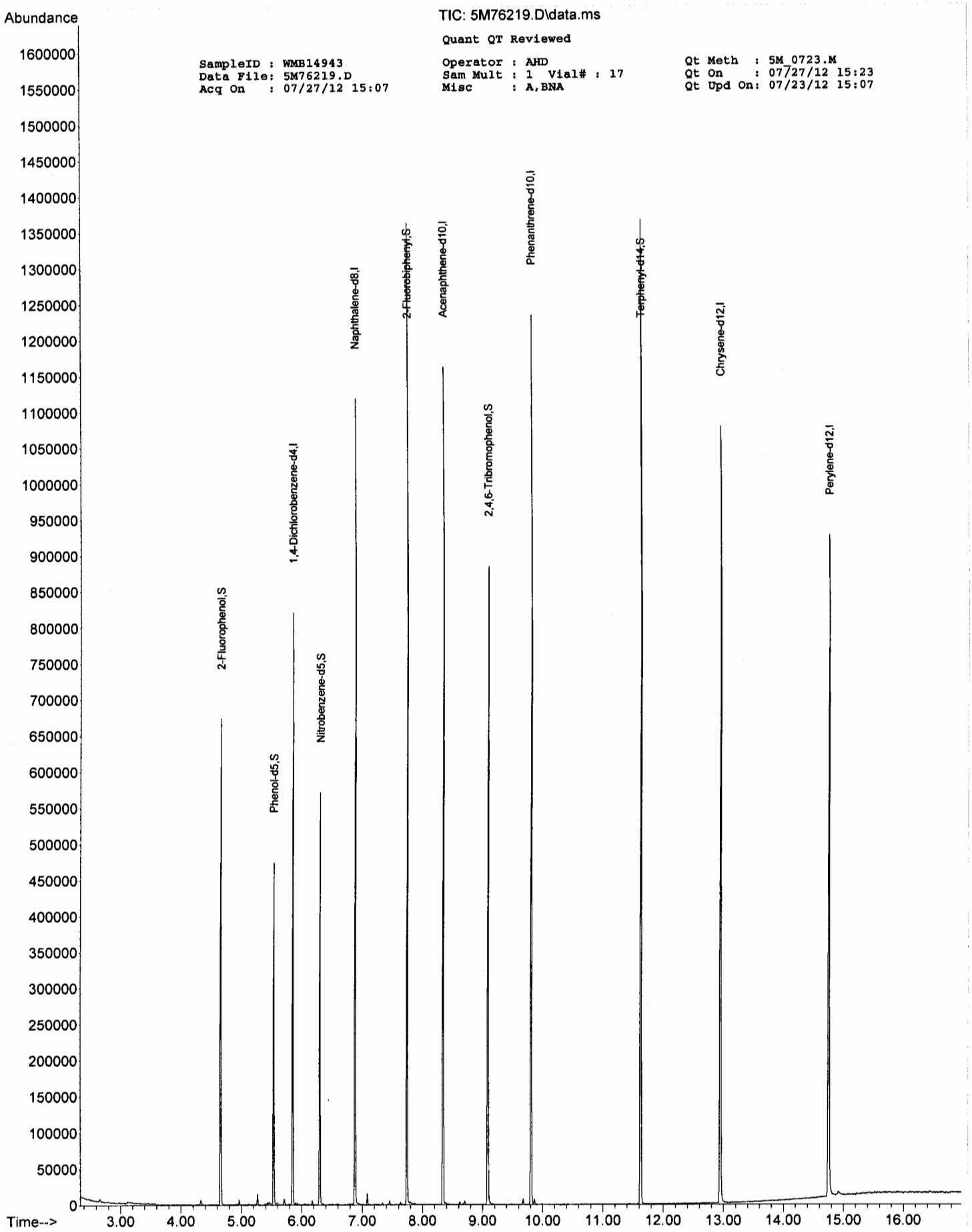
SampleID : WMB14943 Operator : AHD Qt Meth : 5M_0723.M
Data File: 5M76219.D Sam Mult : 1 Vial# : 17 Qt On : 07/27/12 15:23
Acq On : 07/27/12 15:07 Misc : A,BNA Qt Upd On: 07/23/12 15:07

Data Path : G:\GcMsData\2012\GCMS_5\Data\07-27-12\
Qt Path : G:\GCMSDATA\2012\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.847	152	117611	40.00 ng	0.00
30) Naphthalene-d8	6.878	136	434898	40.00 ng	0.00
48) Acenaphthene-d10	8.337	164	254783	40.00 ng	0.00
75) Phenanthrene-d10	9.806	188	473097	40.00 ng	0.00
89) Chrysene-d12	12.942	240	487614	40.00 ng	0.08
101) Perylene-d12	14.753	264	447332	40.00 ng	0.19
System Monitoring Compounds					
11) 2-Fluorophenol	4.656	112	190312	46.83 ng	0.00
Spiked Amount 100.000			Recovery = 46.83%		
16) Phenol-d5	5.532	99	157567	28.82 ng	0.00
Spiked Amount 100.000			Recovery = 28.82%		
31) Nitrobenzene-d5	6.301	128	80577	41.19 ng	0.00
Spiked Amount 50.000			Recovery = 82.38%		
53) 2-Fluorobiphenyl	7.738	172	404977	41.20 ng	0.00
Spiked Amount 50.000			Recovery = 82.40%		
78) 2,4,6-Tribromophenol	9.085	330	111931	85.06 ng	0.01
Spiked Amount 100.000			Recovery = 85.06%		
92) Terphenyl-d14	11.622	244	504881	43.63 ng	0.02
Spiked Amount 50.000			Recovery = 87.26%		

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


TIC: 5M76219.D\data.ms
Quant QT Reviewed
SampleID : WMB14943
Data File: 5M76219.D
Acq On : 07/27/12 15:07
Operator : AHD
Sam Mult : 1 Vial# : 17
Misc : A,BNA
Qt Meth : 5M_0723.M
Qt On : 07/27/12 15:23
Qt Upd On: 07/23/12 15:07
Abundance
Time-->
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: WMB14962
Client Id:
Data File: 5M76251.D
Analysis Date: 07/31/12 09:44
Date Rec/Extracted: NA-07/30/12
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
122-66-7	1,2-Diphenylhydrazine	2.0	U	207-08-9	Benzo[k]fluoranthene	2.0	U
95-95-4	2,4,5-Trichlorophenol	2.0	U	65-85-0	Benzoic Acid	10	U
88-06-2	2,4,6-Trichlorophenol	2.0	U	111-91-1	bis(2-Chloroethoxy)methan	2.0	U
120-83-2	2,4-Dichlorophenol	2.0	U	111-44-4	bis(2-Chloroethyl)ether	0.50	U
105-67-9	2,4-Dimethylphenol	2.0	U	108-60-1	bis(2-chloroisopropyl)ether	2.0	U
51-28-5	2,4-Dinitrophenol	10	U	117-81-7	bis(2-Ethylhexyl)phthalate	2.0	U
121-14-2	2,4-Dinitrotoluene	2.0	U	85-68-7	Butylbenzylphthalate	2.0	U
606-20-2	2,6-Dinitrotoluene	2.0	U	86-74-8	Carbazole	2.0	U
91-58-7	2-Chloronaphthalene	2.0	U	218-01-9	Chrysene	2.0	U
95-57-8	2-Chlorophenol	2.0	U	53-70-3	Dibenzo[a,h]anthracene	2.0	U
91-57-6	2-Methylnaphthalene	2.0	U	132-64-9	Dibenzofuran	0.50	U
95-48-7	2-Methylphenol	0.50	U	84-66-2	Diethylphthalate	2.0	U
88-74-4	2-Nitroaniline	2.0	U	131-11-3	Dimethylphthalate	2.0	U
88-75-5	2-Nitrophenol	2.0	U	84-74-2	Di-n-butylphthalate	0.50	U
106-44-5	3&4-Methylphenol	0.50	U	117-84-0	Di-n-octylphthalate	2.0	U
91-94-1	3,3'-Dichlorobenzidine	2.0	U	206-44-0	Fluoranthene	2.0	U
99-09-2	3-Nitroaniline	2.0	U	86-73-7	Fluorene	2.0	U
534-52-1	4,6-Dinitro-2-methylphenol	2.0	U	118-74-1	Hexachlorobenzene	2.0	U
101-55-3	4-Bromophenyl-phenylether	2.0	U	87-68-3	Hexachlorobutadiene	2.0	U
59-50-7	4-Chloro-3-methylphenol	2.0	U	77-47-4	Hexachlorocyclopentadiene	2.0	U
106-47-8	4-Chloroaniline	0.50	U	67-72-1	Hexachloroethane	2.0	U
7005-72-3	4-Chlorophenyl-phenylether	2.0	U	193-39-5	Indeno[1,2,3-cd]pyrene	2.0	U
100-01-6	4-Nitroaniline	2.0	U	78-59-1	Isophorone	2.0	U
100-02-7	4-Nitrophenol	2.0	U	91-20-3	Naphthalene	0.50	U
83-32-9	Acenaphthene	2.0	U	98-95-3	Nitrobenzene	2.0	U
208-96-8	Acenaphthylene	2.0	U	62-75-9	N-Nitrosodimethylamine	2.0	U
62-53-3	Aniline	2.0	U	621-64-7	N-Nitroso-di-n-propylamine	0.50	U
120-12-7	Anthracene	2.0	U	86-30-6	n-Nitrosodiphenylamine	2.0	U
92-87-5	Benzidine	10	U	87-86-5	Pentachlorophenol	10	U
56-55-3	Benzo[a]anthracene	2.0	U	85-01-8	Phenanthrene	2.0	U
50-32-8	Benzo[a]pyrene	2.0	U	108-95-2	Phenol	2.0	U
205-99-2	Benzo[b]fluoranthene	2.0	U	129-00-0	Pyrene	2.0	U
191-24-2	Benzo[g,h,i]perylene	2.0	U				

Worksheet #: 235577 ***Total Target Concentration*** 0 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Quantitation Report (QT/LSC Reviewed)

2072508 0144

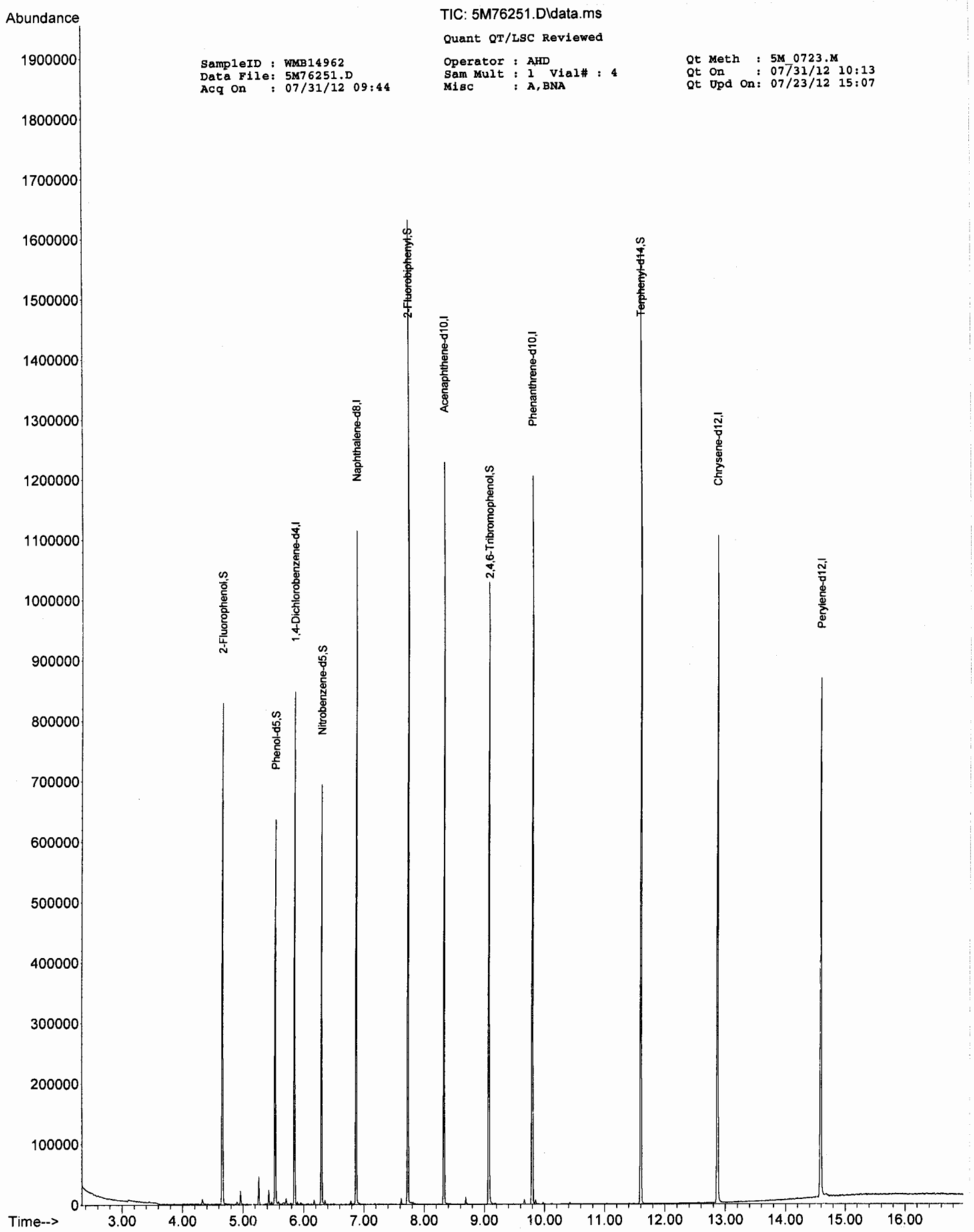
SampleID : WMB14962 Operator : AHD Qt Meth : 5M_0723.M
Data File: 5M76251.D Sam Mult : 1 Vial# : 4 Qt On : 07/31/12 10:13
Acq On : 07/31/12 09:44 Misc : A,BNA Qt Upd On: 07/23/12 15:07

Data Path : G:\GcMsData\2012\GCMS_5\Data\07-31-12\
Qt Path : G:\GCMSDATA\2012\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.847	152	118295	40.00 ng	0.00
30) Naphthalene-d8	6.873	136	456102	40.00 ng	0.00
48) Acenaphthene-d10	8.326	164	256994	40.00 ng	0.00
75) Phenanthrene-d10	9.795	188	477480	40.00 ng	0.00
89) Chrysene-d12	12.867	240	468189	40.00 ng	0.00
101) Perylene-d12	14.587	264	419678	40.00 ng	0.02
System Monitoring Compounds					
11) 2-Fluorophenol	4.656	112	245735	60.12 ng	0.00
Spiked Amount 100.000			Recovery = 60.12%		
16) Phenol-d5	5.532	99	223395	40.62 ng	0.00
Spiked Amount 100.000			Recovery = 40.62%		
31) Nitrobenzene-d5	6.296	128	89976	43.86 ng	0.00
Spiked Amount 50.000			Recovery = 87.72%		
53) 2-Fluorobiphenyl	7.728	172	453555	45.74 ng	0.00
Spiked Amount 50.000			Recovery = 91.48%		
78) 2,4,6-Tribromophenol	9.074	330	126463	95.22 ng	0.00
Spiked Amount 100.000			Recovery = 95.22%		
92) Terphenyl-d14	11.601	244	529635	47.67 ng	0.00
Spiked Amount 50.000			Recovery = 95.34%		

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


TIC: 5M76251.D\data.ms
Quant QT/LSC Reviewed
SampleID : WMB14962
Data File: 5M76251.D
Acq On : 07/31/12 09:44
Operator : AHD
Sam Mult : 1 Vial# : 4
Misc : A,BNA
Qt Meth : 5M_0723.M
Qt On : 07/31/12 10:13
Qt Upd On: 07/23/12 15:07
Abundance
1900000
1800000
1700000
1600000
1500000
1400000
1300000
1200000
1100000
1000000
900000
800000
700000
600000
500000
400000
300000
200000
100000
0
Time-->
3.00
4.00
5.00
6.00
7.00
8.00
9.00
10.00
11.00
12.00
13.00
14.00
15.00
16.00
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I

FORM2

Surrogate Recovery

Method: EPA 8270C

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column1 S5 Recov	Column1 S6 Recov
10M31633.D	WMB14792	Aqueous	07/11/12 15:05	1		55	38	94	90	101	90
5M76219.D	WMB14943	Aqueous	07/27/12 15:07	1		47	29	82	82	85	87
5M76251.D	WMB14962	Aqueous	07/31/12 09:44	1		60	41	88	91	95	95
9M45030.D	AC67271-001	Aqueous	07/27/12 16:59	1		48	31	87	91	101	101
9M45031.D	AC67271-003	Aqueous	07/27/12 17:22	1		40	27	85	82	97	98
5M76270.D	AC67271-005(	Aqueous	07/31/12 17:17	1		45	36	61	46*	57	81
5M76271.D	AC67271-007(	Aqueous	07/31/12 17:41	1		58	44	79	55	64	89
9M45034.D	AC67271-009	Aqueous	07/27/12 18:32	1		66	39	110	107	127	120
9M45035.D	AC67271-012	Aqueous	07/27/12 18:55	1		55	34	85	86	95	95
10M31645.D	WMB14792(M	Aqueous	07/12/12 11:42	1		73	31	113	103	112	114
10M31646.D	AC66962-005	Aqueous	07/12/12 12:04	1		80	70	102	99	120	107
10M31647.D	AC66962-005(	Aqueous	07/12/12 12:26	1		87	79	107	86	112	113
10M31648.D	AC66962-005(	Aqueous	07/12/12 12:48	1		52	50	84	74	80	99
5M76218.D	WMB14943(M	Aqueous	07/27/12 14:43	1		55	36	102	103	107	98
5M76250.D	WMB14962(M	Aqueous	07/31/12 09:20	1		68	45	104	96	108	99

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: EPA 8270C

Aqueous Limits

Compound	Spike Amt	Limits
S1=2-Fluorophenol	100	29-113
S2=Phenol-d5	100	27-115
S3=Nitrobenzene-d5	50	51-139
S4=2-Fluorobiphenyl	50	53-129
S5=2,4,6-Tribromophenol	100	54-149
S6=Terphenyl-d14	50	55-146

Form3
Recovery Data
QC Batch: WMB14792

	Data File	Sample ID:	Analysis Date
Spike or Dup:	10M31645.D	WMB14792(MS)	7/12/2012 11:42:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8270 Matrix: Aqueous QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	53.2056	0	100	53	10	130
Phenol	1	24.8205	0	100	25	20	130
2-Chlorophenol	1	87.3924	0	100	87	50	130
1,4-Dichlorobenzene	1	89.5554	0	100	90	50	130
2-Methylphenol	1	81.5291	0	100	82	50	130
Hexachloroethane	1	93.2265	0	100	93	50	130
N-Nitroso-di-n-propylamine	1	104.3309	0	100	104	20	130
3&4-Methylphenol	1	79.8952	0	100	80	50	130
Nitrobenzene	1	90.3368	0	100	90	50	130
2,4-Dimethylphenol	1	72.8524	0	100	73	50	130
1,2,4-Trichlorobenzene	1	81.347	0	100	81	50	130
Naphthalene	1	85.4818	0	100	85	50	130
Hexachlorobutadiene	1	83.0809	0	100	83	50	130
4-Chloro-3-methylphenol	1	92.1021	0	100	92	50	130
2,4,6-Trichlorophenol	1	90.8413	0	100	91	50	130
2,4,5-Trichlorophenol	1	85.7179	0	100	86	50	130
Acenaphthene	1	85.5349	0	100	86	50	130
2,4-Dinitrotoluene	1	102.8771	0	100	103	50	130
4-Nitrophenol	1	38.2042	0	100	38	20	130
Fluorene	1	86.4817	0	100	86	50	130
Hexachlorobenzene	1	85.8327	0	100	86	50	130
Pentachlorophenol	1	81.758	0	100	82	40	130
Pyrene	1	84.0127	0	100	84	50	130
Butylbenzylphthalate	1	92.953	0	100	93	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: WMB14943

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M76218.D	WMB14943(MS)	7/27/2012 2:43:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8270 Matrix: Aqueous QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	30.6775	0	100	31	10	130
Phenol	1	34.3706	0	100	34	20	130
2-Chlorophenol	1	86.5519	0	100	87	50	130
1,4-Dichlorobenzene	1	96.3806	0	100	96	50	130
2-Methylphenol	1	75.0244	0	100	75	50	130
Hexachloroethane	1	94.9399	0	100	95	50	130
N-Nitroso-di-n-propylamine	1	94.2218	0	100	94	20	130
3&4-Methylphenol	1	70.7951	0	100	71	50	130
Nitrobenzene	1	106.7031	0	100	107	50	130
2,4-Dimethylphenol	1	85.0153	0	100	85	50	130
1,2,4-Trichlorobenzene	1	95.4747	0	100	95	50	130
Naphthalene	1	100.1544	0	100	100	50	130
Hexachlorobutadiene	1	100.8526	0	100	101	50	130
4-Chloro-3-methylphenol	1	95.7198	0	100	96	50	130
2,4,6-Trichlorophenol	1	105.8249	0	100	106	50	130
2,4,5-Trichlorophenol	1	106.8857	0	100	107	50	130
Acenaphthene	1	104.8206	0	100	105	50	130
2,4-Dinitrotoluene	1	105.6469	0	100	106	50	130
4-Nitrophenol	1	37.6157	0	100	38	20	130
Fluorene	1	107.6349	0	100	108	50	130
Hexachlorobenzene	1	102.2554	0	100	102	50	130
Pentachlorophenol	1	80.3756	0	100	80	40	130
Pyrene	1	102.03	0	100	102	50	130
Butylbenzylphthalate	1	103.8625	0	100	104	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: WMB14962

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M76250.D	WMB14962(MS)	7/31/2012 9:20:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8270 Matrix: Aqueous QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	84.1453	0	100	84	10	130
Phenol	1	42.9877	0	100	43	20	130
2-Chlorophenol	1	90.8999	0	100	91	50	130
1,4-Dichlorobenzene	1	84.3991	0	100	84	50	130
2-Methylphenol	1	80.377	0	100	80	50	130
Hexachloroethane	1	84.2282	0	100	84	50	130
N-Nitroso-di-n-propylamine	1	77.0496	0	100	77	20	130
3&4-Methylphenol	1	77.9888	0	100	78	50	130
Nitrobenzene	1	85.9782	0	100	86	50	130
2,4-Dimethylphenol	1	84.5993	0	100	85	50	130
1,2,4-Trichlorobenzene	1	79.9769	0	100	80	50	130
Naphthalene	1	81.8104	0	100	82	50	130
Hexachlorobutadiene	1	85.2596	0	100	85	50	130
4-Chloro-3-methylphenol	1	97.1788	0	100	97	50	130
2,4,6-Trichlorophenol	1	105.1988	0	100	105	50	130
2,4,5-Trichlorophenol	1	104.0979	0	100	104	50	130
Acenaphthene	1	85.7551	0	100	86	50	130
2,4-Dinitrotoluene	1	84.0063	0	100	84	50	130
4-Nitrophenol	1	48.0084	0	100	48	20	130
Fluorene	1	86.2791	0	100	86	50	130
Hexachlorobenzene	1	83.4264	0	100	83	50	130
Pentachlorophenol	1	86.9939	0	100	87	40	130
Pyrene	1	83.2146	0	100	83	50	130
Butylbenzylphthalate	1	83.1093	0	100	83	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: WMB14792

	Data File	Sample ID:	Analysis Date
Spike or Dup:	10M31647.D	AC66962-005(MS)	7/12/2012 12:26:00 PM
Non Spike(If applicable):	10M31646.D	AC66962-005	7/12/2012 12:04:00 PM
Inst Blank(If applicable):			

Method: 8270 Matrix: Aqueous QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	27.9489	0	100	28	10	130
Phenol	1	61.9274	0	100	62	20	130
2-Chlorophenol	1	91.577	0	100	92	50	130
1,4-Dichlorobenzene	1	82.7399	0	100	83	50	130
2-Methylphenol	1	92.6339	0	100	93	50	130
Hexachloroethane	1	81.321	0	100	81	50	130
N-Nitroso-di-n-propylamine	1	97.7551	0	100	98	20	130
3&4-Methylphenol	1	97.1127	0	100	97	50	130
Nitrobenzene	1	88.4766	0	100	88	50	130
2,4-Dimethylphenol	1	83.1165	0	100	83	50	130
1,2,4-Trichlorobenzene	1	79.2035	0	100	79	50	130
Naphthalene	1	80.3585	0	100	80	50	130
Hexachlorobutadiene	1	79.5125	0	100	80	50	130
4-Chloro-3-methylphenol	1	103.6983	0	100	104	50	130
2,4,6-Trichlorophenol	1	95.2644	0	100	95	50	130
2,4,5-Trichlorophenol	1	92.8997	0	100	93	50	130
Acenaphthene	1	83.9094	0	100	84	50	130
2,4-Dinitrotoluene	1	99.6504	0	100	100	50	130
4-Nitrophenol	1	72.5723	0	100	73	20	130
Fluorene	1	85.5215	0	100	86	50	130
Hexachlorobenzene	1	82.9007	0	100	83	50	130
Pentachlorophenol	1	99.0342	0	100	99	40	130
Pyrene	1	83.4713	0	100	83	50	130
Butylbenzylphthalate	1	91.4005	0	100	91	50	130

	Data File	Sample ID:	Analysis Date
Spike or Dup:	10M31648.D	AC66962-005(MSD)	7/12/2012 12:48:00 PM
Non Spike(If applicable):	10M31646.D	AC66962-005	7/12/2012 12:04:00 PM
Inst Blank(If applicable):			

Method: 8270 Matrix: Aqueous QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	52.7765	0	100	53	10	130
Phenol	1	41.9493	0	100	42	20	130
2-Chlorophenol	1	63.9381	0	100	64	50	130
1,4-Dichlorobenzene	1	69.5663	0	100	70	50	130
2-Methylphenol	1	73.1545	0	100	73	50	130
Hexachloroethane	1	67.6811	0	100	68	50	130
N-Nitroso-di-n-propylamine	1	80.793	0	100	81	20	130
3&4-Methylphenol	1	77.1858	0	100	77	50	130
Nitrobenzene	1	74.9169	0	100	75	50	130
2,4-Dimethylphenol	1	68.312	0	100	68	50	130
1,2,4-Trichlorobenzene	1	67.0397	0	100	67	50	130
Naphthalene	1	69.2411	0	100	69	50	130
Hexachlorobutadiene	1	67.202	0	100	67	50	130
4-Chloro-3-methylphenol	1	84.6695	0	100	85	50	130
2,4,6-Trichlorophenol	1	63.9313	0	100	64	50	130
2,4,5-Trichlorophenol	1	64.7316	0	100	65	50	130
Acenaphthene	1	72.1618	0	100	72	50	130
2,4-Dinitrotoluene	1	86.2644	0	100	86	50	130
4-Nitrophenol	1	39.5325	0	100	40	20	130
Fluorene	1	73.8646	0	100	74	50	130
Hexachlorobenzene	1	73.0813	0	100	73	50	130
Pentachlorophenol	1	62.6007	0	100	63	40	130
Pyrene	1	72.5803	0	100	73	50	130
Butylbenzylphthalate	1	78.5411	0	100	79	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
RPD DATA

QC Batch: WMB14792

	Data File	Sample ID:	Analysis Date
Spike or Dup:	10M31648.D	AC66962-005(MSD)	7/12/2012 12:48:00 PM
Duplicate(If applicable):	10M31647.D	AC66962-005(MS)	7/12/2012 12:26:00 PM
Inst Blank(If applicable):			

Method: 8270 Matrix: Aqueous QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Pyridine	1	52.7765	27.9489	62*	40
Phenol	1	41.9493	61.9274	38	40
2-Chlorophenol	1	63.9381	91.577	36	40
1,4-Dichlorobenzene	1	69.5663	82.7399	17	40
2-Methylphenol	1	73.1545	92.6339	23	40
Hexachloroethane	1	67.6811	81.321	18	40
N-Nitroso-di-n-propylamine	1	80.793	97.7551	19	40
3&4-Methylphenol	1	77.1858	97.1127	23	40
Nitrobenzene	1	74.9169	88.4766	17	40
2,4-Dimethylphenol	1	68.312	83.1165	20	40
1,2,4-Trichlorobenzene	1	67.0397	79.2035	17	40
Naphthalene	1	69.2411	80.3585	15	40
Hexachlorobutadiene	1	67.202	79.5125	17	40
4-Chloro-3-methylphenol	1	84.6695	103.6983	20	40
2,4,6-Trichlorophenol	1	63.9313	95.2644	39	40
2,4,5-Trichlorophenol	1	64.7316	92.8997	36	40
Acenaphthene	1	72.1618	83.9094	15	40
2,4-Dinitrotoluene	1	86.2644	99.6504	14	40
4-Nitrophenol	1	39.5325	72.5723	59*	40
Fluorene	1	73.8646	85.5215	15	40
Hexachlorobenzene	1	73.0813	82.9007	13	40
Pentachlorophenol	1	62.6007	99.0342	45*	40
Pyrene	1	72.5803	83.4713	14	40
Butylbenzylphthalate	1	78.5411	91.4005	15	40

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

FORM 4
Blank Summary

Blank Number: WMB14792
Blank Data File: 10M31633.D
Matrix: Aqueous

Blank Analysis Date: 07/11/12 15:05
Blank Extraction Date: 07/11/12
(If Applicable)
Method: EPA 8270C

Sample Number	Data File	Analysis Date
AC66962-005(MSD	10M31648.D	07/12/12 12:48
AC66962-005(MS)	10M31647.D	07/12/12 12:26
AC66962-005	10M31646.D	07/12/12 12:04
WMB14792(MS)	10M31645.D	07/12/12 11:42

FORM 4
Blank Summary

Blank Number: WMB14943
Blank Data File: 5M76219.D
Matrix: Aqueous

Blank Analysis Date: 07/27/12 15:07
Blank Extraction Date: 07/27/12
(If Applicable)
Method: EPA 8270C

Sample Number	Data File	Analysis Date
AC67271-001	9M45030.D	07/27/12 16:59
AC67271-003	9M45031.D	07/27/12 17:22
AC67271-009	9M45034.D	07/27/12 18:32
AC67271-012	9M45035.D	07/27/12 18:55
WMB14943(MS)	5M76218.D	07/27/12 14:43

FORM 4
Blank Summary

Blank Number: WMB14962
Blank Data File: 5M76251.D
Matrix: Aqueous

Blank Analysis Date: 07/31/12 09:44
Blank Extraction Date: 07/30/12
(If Applicable)
Method: EPA 8270C

Sample Number	Data File	Analysis Date
AC67271-005(R)	5M76270.D	07/31/12 17:17
AC67271-007(R)	5M76271.D	07/31/12 17:41
WMB14962(MS)	5M76250.D	07/31/12 09:20

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 10

Data File: 10M31315.D
Analysis Date: 07/02/12 07:34
Method: EPA 8270C

Tune Scan/Time Range: Scan 1415

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	46.5	32024	PASS
68	69	0.00	2	2.0	650	PASS
69	198	0.00	100	47.6	32784	PASS
70	69	0.00	2	0.7	219	PASS
127	198	40	60	53.4	36736	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	68848	PASS
199	198	5	9	6.8	4701	PASS
275	198	10	30	22.4	15412	PASS
365	198	1	100	2.8	1931	PASS
441	443	0.01	100	78.8	5418	PASS
442	198	40	100	53.1	36584	PASS
443	442	17	23	18.8	6874	PASS

Data File	Sample Number	Analysis Date:
10M31316.D	CAL BNA@50PPM	07/02/12 08:20
10M31317.D	CAL BNA@50PPM	07/02/12 09:52
10M31318.D	CAL BNA@196PP	07/02/12 10:14
10M31319.D	CAL BNA@160PP	07/02/12 10:36
10M31320.D	CAL BNA@120PP	07/02/12 10:58
10M31321.D	CAL BNA@80PPM	07/02/12 11:20
10M31322.D	CAL BNA@20PPM	07/02/12 11:42
10M31323.D	CAL BNA@10PPM	07/02/12 12:05
10M31324.D	CAL BNA@2PPM	07/02/12 12:27
10M31325.D	CAL BNA@.5PPM	07/02/12 12:49
10M31326.D	CAL BNA@50PPM	07/02/12 13:11
10M31327.D	ICV BNA@50PPM	07/02/12 13:33

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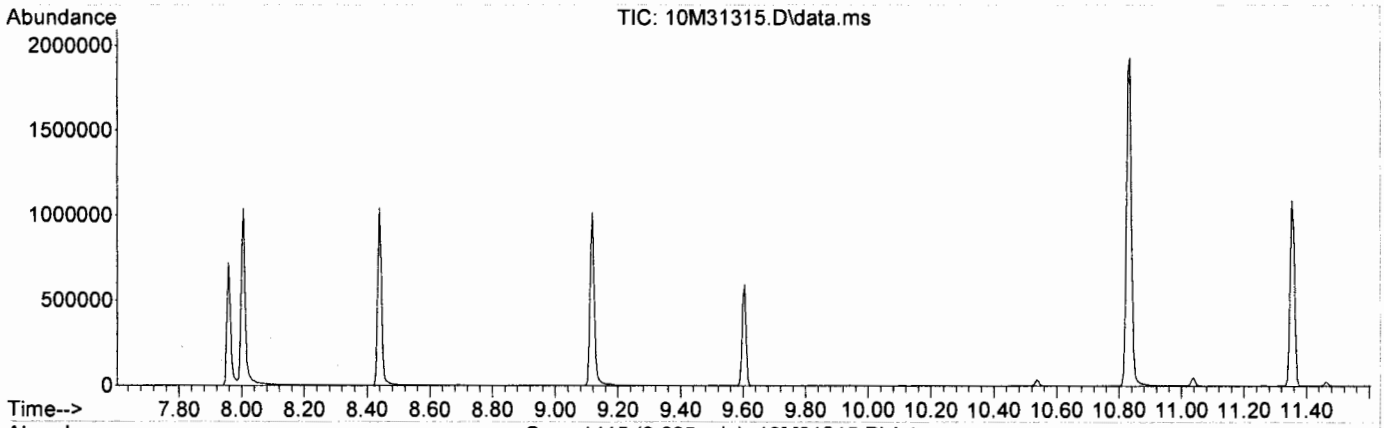
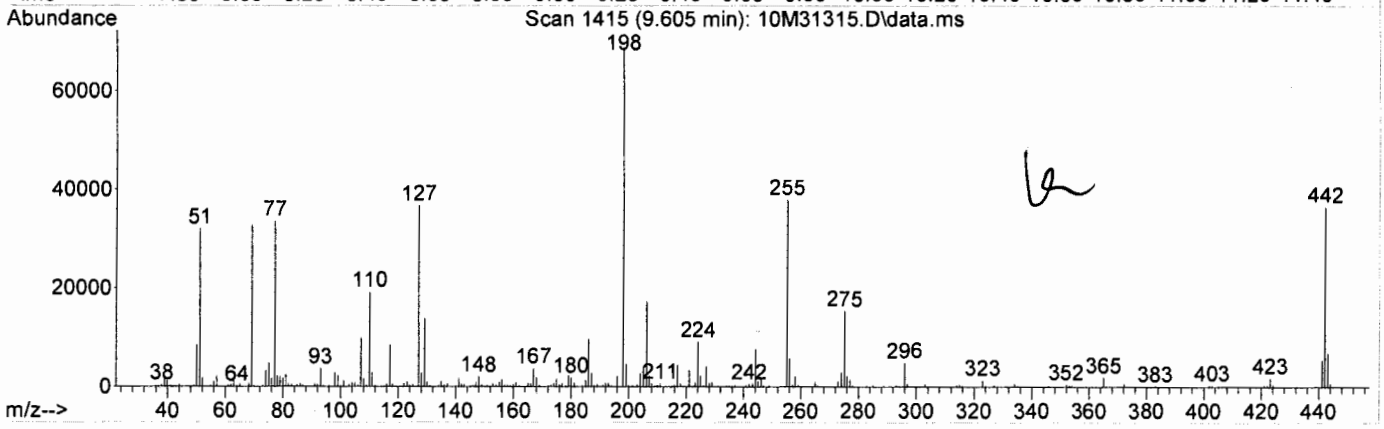
Data Path : G:\GcMsData\2012\GCMS_10\Data\07-02-12\
Data File : 10M31315.D
Acq On : 2 Jul 2012 7:34
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2012\GCMS_10\MethodQt\10M_0611.M
Title : @GCMS_10,mg,625,8270
Last Update : Mon Jun 11 15:33:29 2012





Spectrum Information: Scan 1415

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	46.5	32024	PASS
68	69	0.00	2	2.0	650	PASS
69	198	0.00	100	47.6	32784	PASS
70	69	0.00	2	0.7	219	PASS
127	198	40	60	53.4	36736	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	68848	PASS
199	198	5	9	6.8	4701	PASS
275	198	10	30	22.4	15412	PASS
365	198	1	100	2.8	1931	PASS
441	443	0.01	100	78.8	5418	PASS
442	198	40	100	53.1	36584	PASS
443	442	17	23	18.8	6874	PASS

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 10

Data File: 10M31614.D
Analysis Date: 07/11/12 07:04
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.557 to 9.573 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	50.0	42777	PASS
68	69	0.00	2	1.8	797	PASS
69	198	0.00	100	50.4	43109	PASS
70	69	0.00	2	0.5	219	PASS
127	198	40	60	55.1	47098	PASS
197	198	0.00	1	0.1	124	PASS
198	198	100	100	100.0	85496	PASS
199	198	5	9	6.8	5774	PASS
275	198	10	30	20.6	17630	PASS
365	198	1	100	2.6	2260	PASS
441	443	0.01	100	81.3	6407	PASS
442	198	40	100	48.5	41491	PASS
443	442	17	23	19.0	7883	PASS

Data File	Sample Number	Analysis Date:
10M31615.D	CAL BNA@50PPM	07/11/12 07:44
10M31616.D	WMB14783	07/11/12 08:47
10M31617.D	WMB14789	07/11/12 09:09
10M31618.D	OMB14787	07/11/12 09:31
10M31619.D	AC66732-001	07/11/12 09:54
10M31620.D	AC66732-002	07/11/12 10:16
10M31621.D	AC66732-003	07/11/12 10:38
10M31622.D	AC66732-004	07/11/12 11:00
10M31623.D	AC66732-006	07/11/12 11:22
10M31624.D	AC66702-021(R)	07/11/12 11:44
10M31625.D	AC66732-007	07/11/12 12:07
10M31626.D	WMB14783	07/11/12 12:29
10M31627.D	AC66732-010	07/11/12 12:51
10M31628.D	AC66732-011	07/11/12 13:13
10M31629.D	AC66732-012	07/11/12 13:36
10M31630.D	AC66732-014	07/11/12 13:58
10M31631.D	AC66732-015	07/11/12 14:20
10M31632.D	AC66732-016	07/11/12 14:42
10M31633.D	WMB14792	07/11/12 15:05
10M31634.D	AC66911-002(R)	07/11/12 15:27
10M31635.D	AC66911-004(R)	07/11/12 15:50
10M31636.D	AC66957-001	07/11/12 16:32

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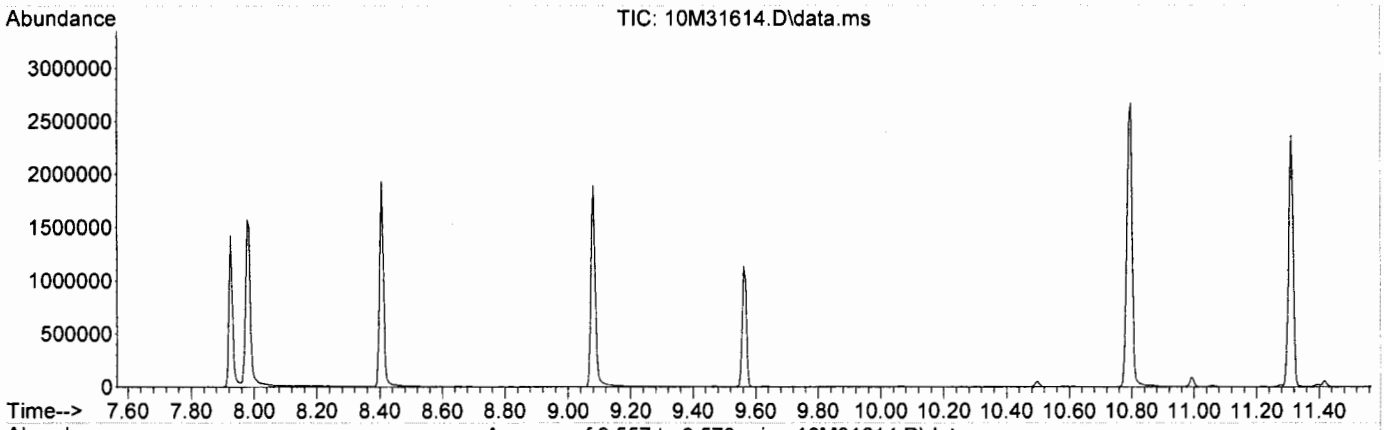
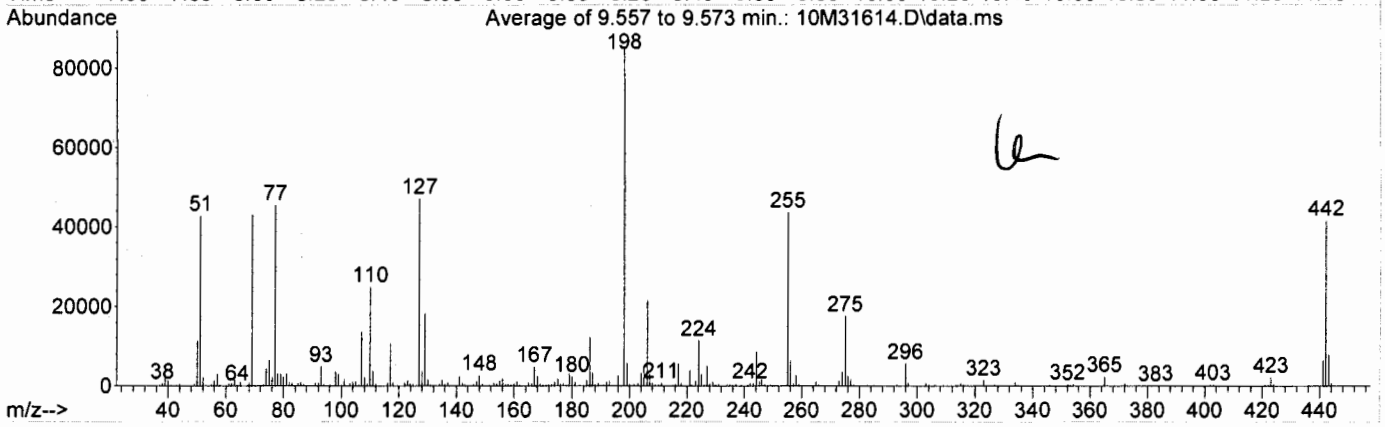
Data Path : G:\GcMsData\2012\GCMS_10\Data\07-11-12\
Data File : 10M31614.D
Acq On : 11 Jul 2012 7:04
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2012\GCMS_10\MethodQt\10M_0702.M
Title : @GCMS_10,mg,625,8270
Last Update : Mon Jul 02 13:35:25 2012





Spectrum Information: Average of 9.557 to 9.573 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	50.0	42777	PASS
68	69	0.00	2	1.8	797	PASS
69	198	0.00	100	50.4	43109	PASS
70	69	0.00	2	0.5	219	PASS
127	198	40	60	55.1	47098	PASS
197	198	0.00	1	0.1	124	PASS
198	198	100	100	100.0	85496	PASS
199	198	5	9	6.8	5774	PASS
275	198	10	30	20.6	17630	PASS
365	198	1	100	2.6	2260	PASS
441	443	0.01	100	81.3	6407	PASS
442	198	40	100	48.5	41491	PASS
443	442	17	23	19.0	7883	PASS

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 10

Data File: 10M31637.D
Analysis Date: 07/12/12 07:56
Method: EPA 8270C

Tune Scan/Time Range: Scan 1407

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	40.6	51960	PASS
68	69	0.00	2	1.9	979	PASS
69	198	0.00	100	40.5	51912	PASS
70	69	0.00	2	0.7	338	PASS
127	198	40	60	50.8	65032	PASS
197	198	0.00	1	0.5	676	PASS
198	198	100	100	100.0	128104	PASS
199	198	5	9	6.5	8382	PASS
275	198	10	30	22.8	29160	PASS
365	198	1	100	3.1	3908	PASS
441	443	0.01	100	79.5	10793	PASS
442	198	40	100	55.1	70568	PASS
443	442	17	23	19.2	13574	PASS

Data File	Sample Number	Analysis Date:
10M31638.D	BNA@50PPM	07/12/12 08:24
10M31639.D	CAL BNA@50PPM	07/12/12 09:26
10M31640.D	WMB14802	07/12/12 09:51
10M31641.D	WMB14802(MS)	07/12/12 10:13
10M31642.D	AC66907-004(MS:	07/12/12 10:35
10M31643.D	AC66907-005(MSD	07/12/12 10:58
10M31644.D	AC66943-001(T)	07/12/12 11:20
10M31645.D	WMB14792(MS)	07/12/12 11:42
10M31646.D	AC66962-005	07/12/12 12:04
10M31647.D	AC66962-005(MS)	07/12/12 12:26
10M31648.D	AC66962-005(MSD	07/12/12 12:48
10M31649.D	EF-1 V-145212 DT	07/12/12 13:11
10M31650.D	EF-2 V-143677 DT	07/12/12 13:33
10M31651.D	AC66962-001	07/12/12 13:55
10M31652.D	AC66962-006	07/12/12 14:17
10M31653.D	WMB14810(MS)	07/12/12 14:40
10M31654.D	WMB14810	07/12/12 15:02
10M31655.D	AC66981-001	07/12/12 15:24
10M31656.D	AC66981-007	07/12/12 15:47
10M31657.D	AC66963-013	07/12/12 16:09
10M31658.D	AC66963-013(MS)	07/12/12 16:32
10M31659.D	AC66963-013(MSD	07/12/12 16:54
10M31660.D	AC66971-001(T)	07/12/12 17:17
10M31661.D	AC66971-002(T)	07/12/12 17:40
10M31662.D	AC66971-003(T)	07/12/12 18:02
10M31663.D	AC66971-004(T)	07/12/12 18:25
10M31664.D	AC66971-005(T)	07/12/12 18:47
10M31665.D	AC66971-006(T)	07/12/12 19:10
10M31666.D	WMB14810	07/12/12 19:32
10M31667.D	AC66971-007(T)	07/12/12 19:55
10M31668.D	AC66955-001	07/12/12 20:17
10M31669.D	AC66955-003	07/12/12 20:40
10M31670.D	AC66970-002	07/12/12 21:02
10M31671.D	AC66970-001	07/12/12 21:24
10M31672.D	TEST	07/12/12 21:47
10M31673.D	TEST	07/12/12 22:09

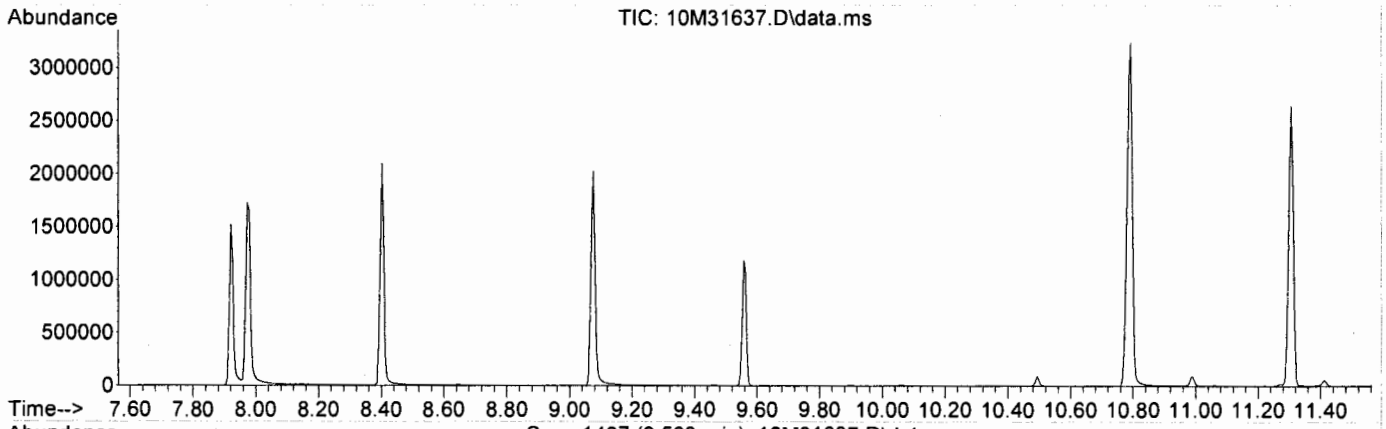
DFTPP

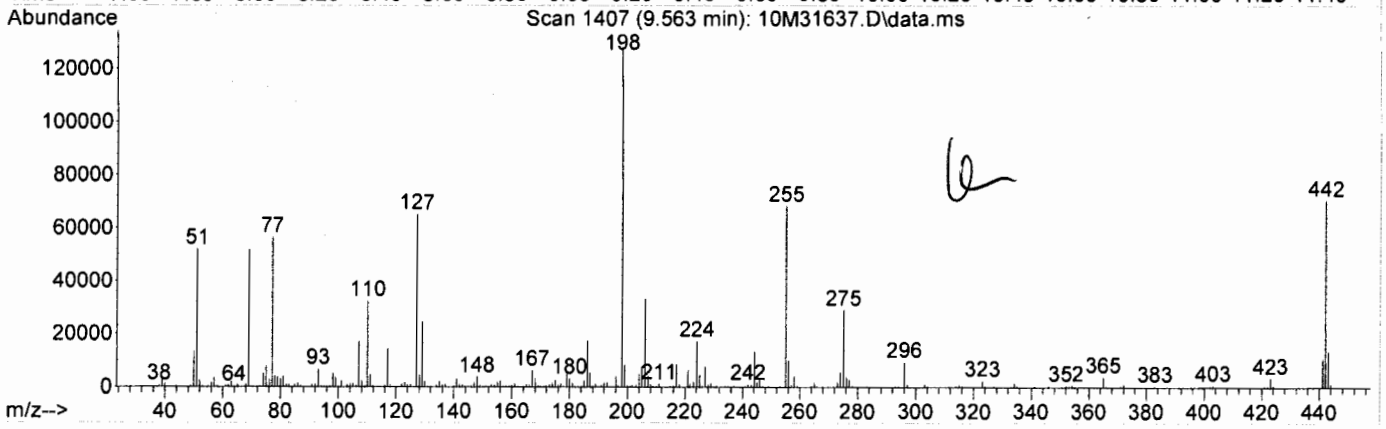
2072508 0160

Data Path : G:\GcMsData\2012\GCMS_10\Data\07-12-12\
Data File : 10M31637.D
Acq On : 12 Jul 2012 7:56
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2012\GCMS_10\MethodQt\10M_0702.M
Title : @GCMS_10,mg,625,8270
Last Update : Mon Jul 02 13:35:25 2012





Spectrum Information: Scan 1407

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	40.6	51960	PASS
68	69	0.00	2	1.9	979	PASS
69	198	0.00	100	40.5	51912	PASS
70	69	0.00	2	0.7	338	PASS
127	198	40	60	50.8	65032	PASS
197	198	0.00	1	0.5	676	PASS
198	198	100	100	100.0	128104	PASS
199	198	5	9	6.5	8382	PASS
275	198	10	30	22.8	29160	PASS
365	198	1	100	3.1	3908	PASS
441	443	0.01	100	79.5	10793	PASS
442	198	40	100	55.1	70568	PASS
443	442	17	23	19.2	13574	PASS

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 9

Data File: 9M44763.D
Analysis Date: 07/17/12 08:38
Method: EPA 8270C

Tune Scan/Time Range: Average of 10.119 to 10.129 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	33.9	42731	PASS
68	69	0.00	2	1.6	899	PASS
69	198	0.00	100	44.0	55497	PASS
70	69	0.00	2	0.5	275	PASS
127	198	40	60	48.3	61005	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	126218	PASS
199	198	5	9	6.8	8645	PASS
275	198	10	30	22.6	28506	PASS
365	198	1	100	2.4	3054	PASS
441	443	0.01	100	80.2	9644	PASS
442	198	40	100	49.5	62502	PASS
443	442	17	23	19.2	12025	PASS

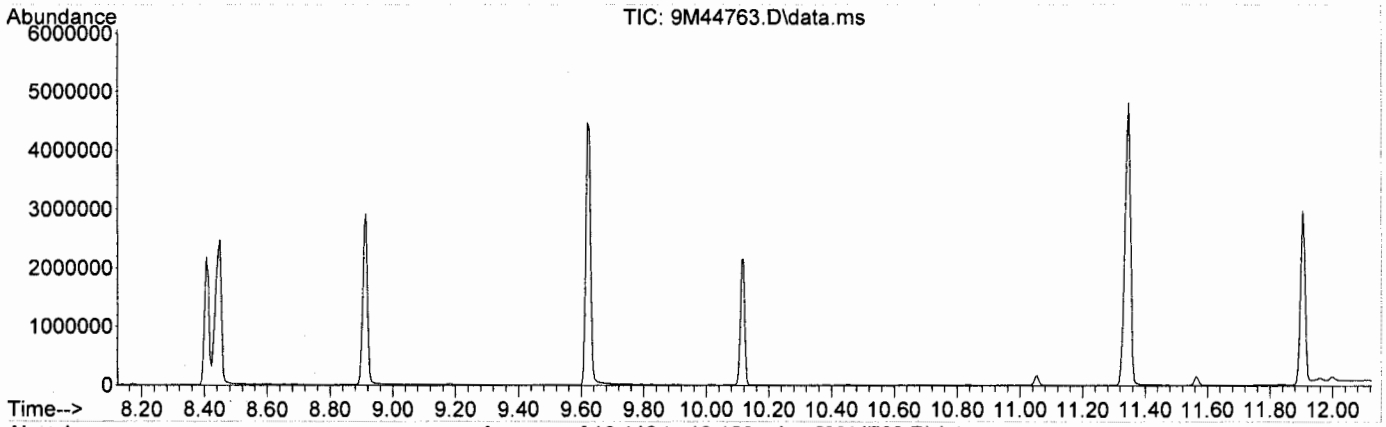
Data File	Sample Number	Analysis Date:
9M44764.D	CAL BNA@50PPM	07/17/12 09:05
9M44765.D	CAL BNA@10PPM	07/17/12 09:28
9M44766.D	CAL BNA@2PPM	07/17/12 09:51
9M44767.D	CAL BNA@.5PPM	07/17/12 10:14
9M44768.D	CAL BNA@196PP	07/17/12 10:37
9M44769.D	CAL BNA@160PP	07/17/12 11:01
9M44770.D	CAL BNA@120PP	07/17/12 11:24
9M44771.D	CAL BNA@80PPM	07/17/12 11:47
9M44772.D	CAL BNA@20PPM	07/17/12 12:11
9M44773.D	CAL BNA@50PPM	07/17/12 12:35
9M44774.D	ICV BNA@50PPM	07/17/12 12:58

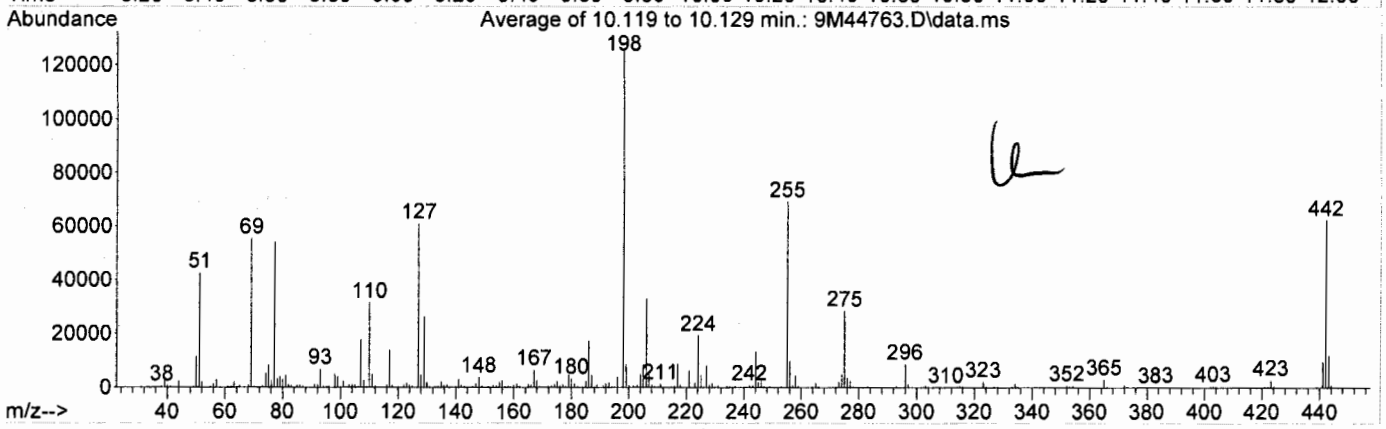
2072508 0162

Data Path : G:\GcMsData\2012\GCMS_9\Data\07-17-12\
Data File : 9M44763.D
Acq On : 17 Jul 2012 8:38
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2012\GCMS_9\MethodQt\9M_0713.M
Title : @GCMS_9,mg,625,8270
Last Update : Fri Jul 13 14:53:20 2012





Spectrum Information: Average of 10.119 to 10.129 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	33.9	42731	PASS
68	69	0.00	2	1.6	899	PASS
69	198	0.00	100	44.0	55497	PASS
70	69	0.00	2	0.5	275	PASS
127	198	40	60	48.3	61005	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	126218	PASS
199	198	5	9	6.8	8645	PASS
275	198	10	30	22.6	28506	PASS
365	198	1	100	2.4	3054	PASS
441	443	0.01	100	80.2	9644	PASS
442	198	40	100	49.5	62502	PASS
443	442	17	23	19.2	12025	PASS

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 5

Data File: 5M76124.D
Analysis Date: 07/23/12 09:08
Method: EPA 8270C

Tune Scan/Time Range: Scan 1460

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	35.2	31304	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	36.5	32408	PASS
70	69	0.00	2	0.6	201	PASS
127	198	40	60	47.3	42000	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	88816	PASS
199	198	5	9	6.9	6163	PASS
275	198	10	30	22.2	19736	PASS
365	198	1	100	2.2	1959	PASS
441	443	0.01	100	74.1	7646	PASS
442	198	40	100	59.7	53032	PASS
443	442	17	23	19.4	10313	PASS

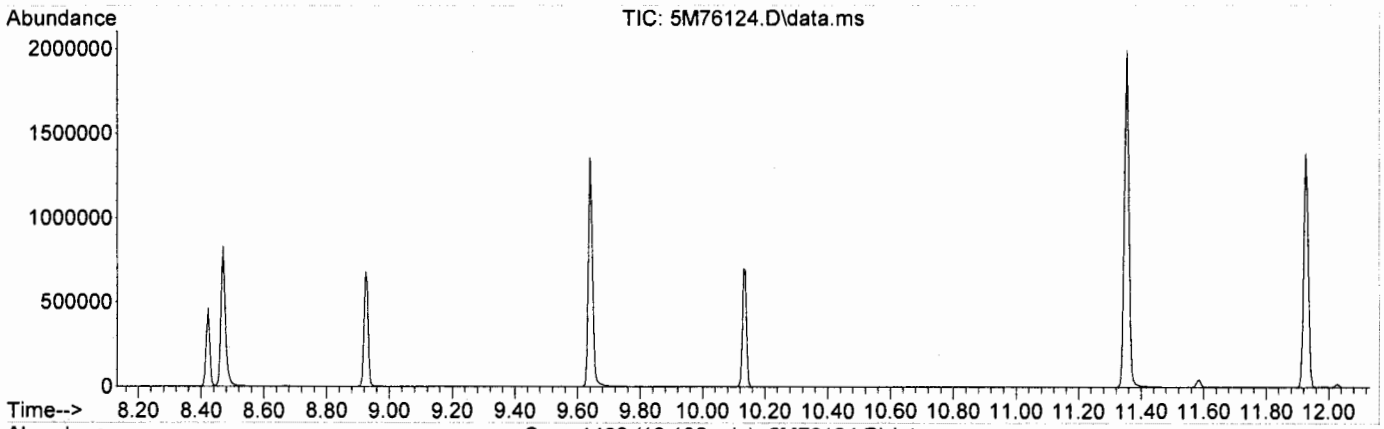
Data File	Sample Number	Analysis Date:
5M76125.D	CAL BNA@50PPM	07/23/12 09:39
5M76126.D	CAL BNA@50PPM	07/23/12 10:40
5M76127.D	CAL BNA@196PP	07/23/12 11:04
5M76128.D	CAL BNA@160PP	07/23/12 11:28
5M76129.D	CAL BNA@120PP	07/23/12 11:52
5M76130.D	CAL BNA@80PPM	07/23/12 12:16
5M76131.D	CAL BNA@20PPM	07/23/12 12:41
5M76132.D	CAL BNA@10PPM	07/23/12 13:06
5M76133.D	CAL BNA@2PPM	07/23/12 13:30
5M76134.D	CAL BNA@.5PPM	07/23/12 13:54
5M76135.D	CAL BNA@50PPM	07/23/12 14:19
5M76136.D	CAL BNA@196PP	07/23/12 14:43
5M76137.D	ICV BNA@50PPM	07/23/12 15:12
5M76138.D	WMB14899(MS)	07/23/12 17:10
5M76139.D	WMB14899	07/23/12 17:34

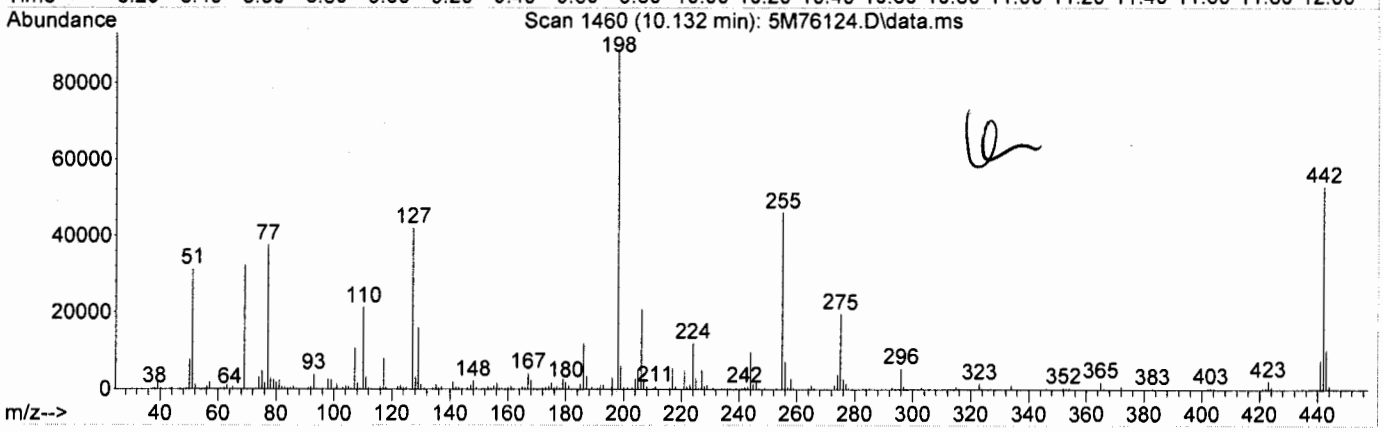
2072508 0164

Data Path : G:\GcMsData\2012\GCMS_5\Data\07-23-12\
Data File : 5M76124.D
Acq On : 23 Jul 2012 9:08
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2012\GCMS_5\METHODQT\5M_0718.M
Title : @GCMS_5,mg,625,8270
Last Update : Wed Jul 18 11:44:12 2012





Spectrum Information: Scan 1460

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	35.2	31304	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	36.5	32408	PASS
70	69	0.00	2	0.6	201	PASS
127	198	40	60	47.3	42000	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	88816	PASS
199	198	5	9	6.9	6163	PASS
275	198	10	30	22.2	19736	PASS
365	198	1	100	2.2	1959	PASS
441	443	0.01	100	74.1	7646	PASS
442	198	40	100	59.7	53032	PASS
443	442	17	23	19.4	10313	PASS

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 5

Data File: 5M76202.D
Analysis Date: 07/27/12 07:59
Method: EPA 8270C

Tune Scan/Time Range: Scan 1457

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	35.2	35728	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	37.1	37576	PASS
70	69	0.00	2	0.6	214	PASS
127	198	40	60	46.3	46968	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	101360	PASS
199	198	5	9	7.1	7211	PASS
275	198	10	30	20.3	20584	PASS
365	198	1	100	1.8	1827	PASS
441	443	0.01	100	77.3	7481	PASS
442	198	40	100	47.8	48432	PASS
443	442	17	23	20.0	9676	PASS

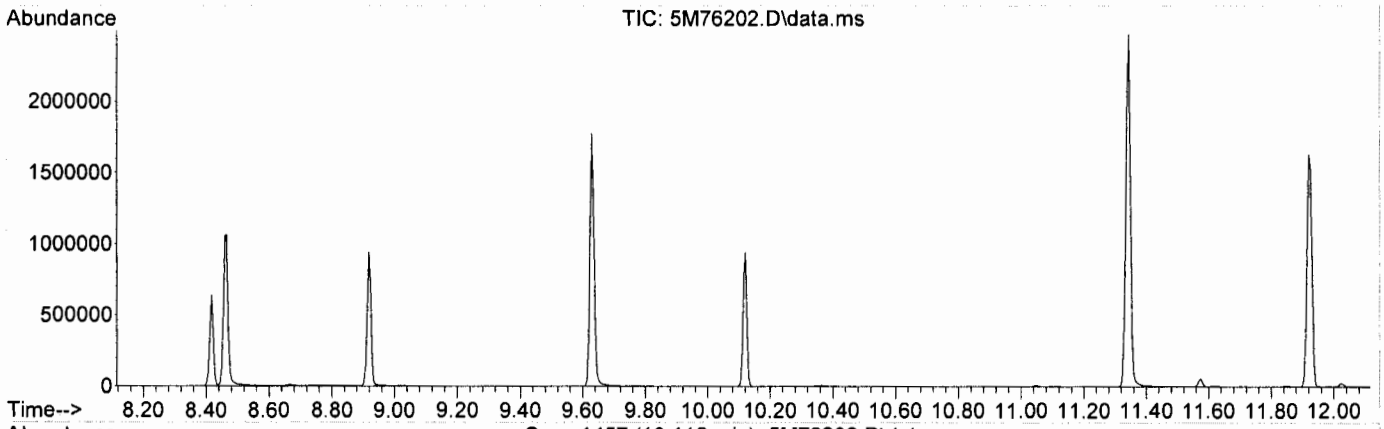
Data File	Sample Number	Analysis Date:
5M76203.D	BNA@50PPM	07/27/12 08:28
5M76204.D	CAL BNA@50PPM	07/27/12 09:06
5M76205.D	WMB14939(MS)	07/27/12 09:29
5M76206.D	WMB14939	07/27/12 09:53
5M76207.D	AC67190-001(T)	07/27/12 10:17
5M76208.D	AC67190-001(T)(M	07/27/12 10:41
5M76209.D	AC67190-001(T)(M	07/27/12 11:05
5M76210.D	AC67160-001(T)	07/27/12 11:29
5M76211.D	AC67160-002(T)	07/27/12 11:53
5M76212.D	AC67160-003(T)	07/27/12 12:17
5M76213.D	AC67160-004(T)	07/27/12 12:42
5M76214.D	WMB14942(MS)	07/27/12 13:06
5M76215.D	WMB14942	07/27/12 13:30
5M76216.D	AC67025-014(T)	07/27/12 13:55
5M76217.D	AC67190-001(T)(R)	07/27/12 14:19
5M76218.D	WMB14943(MS)	07/27/12 14:43
5M76219.D	WMB14943	07/27/12 15:07
5M76220.D	EF-1 V-145972 DT	07/27/12 15:31
5M76221.D	AC67263-001	07/27/12 15:55
5M76222.D	AC67263-001(MS)	07/27/12 16:19
5M76223.D	AC67263-001(MSD	07/27/12 16:44
5M76224.D	AC67192-001	07/27/12 17:08
5M76225.D	AC67229-008	07/27/12 17:32
5M76226.D	AC67246-001	07/27/12 17:56
5M76227.D	AC67219-001	07/27/12 18:20
5M76228.D	AC67219-002	07/27/12 18:44
5M76229.D	AC67225-002	07/27/12 19:09
5M76230.D	AC67227-001	07/27/12 19:32
5M76231.D	AC67227-002	07/27/12 19:56
5M76232.D	AC67247-010	07/27/12 20:20
5M76233.D	AC67247-011	07/27/12 20:44
5M76234.D	AC67247-012	07/27/12 21:08
5M76235.D	AC67247-013	07/27/12 21:32
5M76236.D	AC67249-001	07/27/12 21:55
5M76237.D	AC67249-002	07/27/12 22:19
5M76238.D	AC67263-003	07/27/12 22:43
5M76239.D	AC67263-005	07/27/12 23:06
5M76240.D	AC67285-001	07/27/12 23:30
5M76241.D	AC67285-002	07/27/12 23:54
5M76242.D	AC67285-003	07/28/12 00:17
5M76243.D	AC67285-004	07/28/12 00:41
5M76244.D	AC67247-009(10X)	07/28/12 01:05

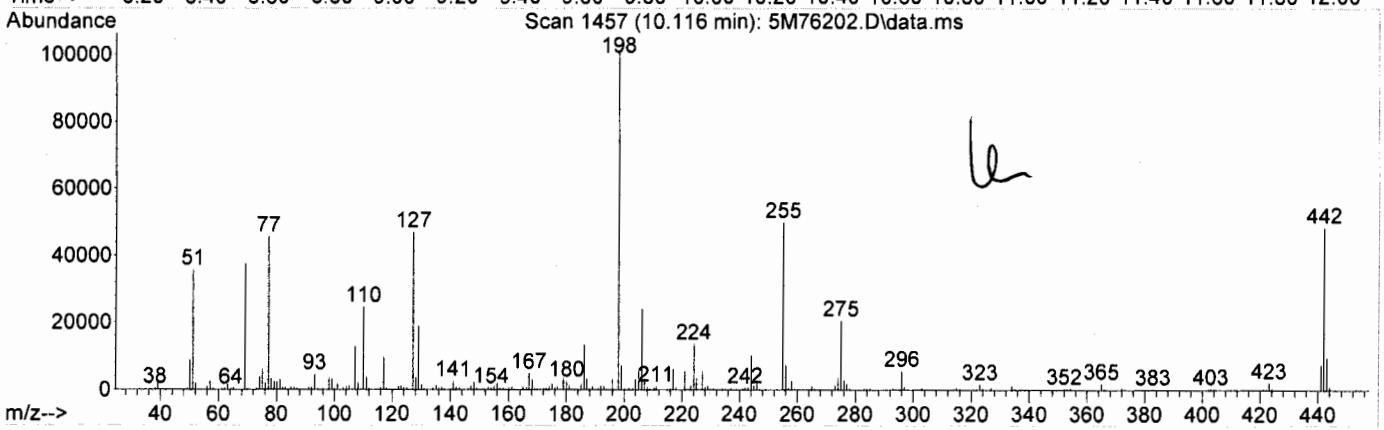
2072508 0166

Data Path : G:\GcMsData\2012\GCMS_5\Data\07-27-12\
Data File : 5M76202.D
Acq On : 27 Jul 2012 7:59
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2012\GCMS_5\METHODQT\5M_0723.M
Title : @GCMS_5,mg,625,8270
Last Update : Mon Jul 23 15:03:22 2012





Spectrum Information: Scan 1457

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	35.2	35728	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	37.1	37576	PASS
70	69	0.00	2	0.6	214	PASS
127	198	40	60	46.3	46968	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	101360	PASS
199	198	5	9	7.1	7211	PASS
275	198	10	30	20.3	20584	PASS
365	198	1	100	1.8	1827	PASS
441	443	0.01	100	77.3	7481	PASS
442	198	40	100	47.8	48432	PASS
443	442	17	23	20.0	9676	PASS

Form 5

Tune Name: CAL DFTPP **Data File:** 9M45011.D
Instrument: GCMS 9 **Analysis Date:** 07/27/12 08:31
Method: EPA 8270C
Tune Scan/Time Range: Average of 10.069 to 10.090 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	40.7	34176	PASS
68	69	0.00	2	1.2	546	PASS
69	198	0.00	100	52.9	44384	PASS
70	69	0.00	2	0.4	198	PASS
127	198	40	60	52.2	43770	PASS
197	198	0.00	1	0.3	262	PASS
198	198	100	100	100.0	83884	PASS
199	198	5	9	6.8	5716	PASS
275	198	10	30	20.2	16940	PASS
365	198	1	100	1.9	1602	PASS
441	443	0.01	100	79.8	5763	PASS
442	198	40	100	42.8	35867	PASS
443	442	17	23	20.1	7218	PASS

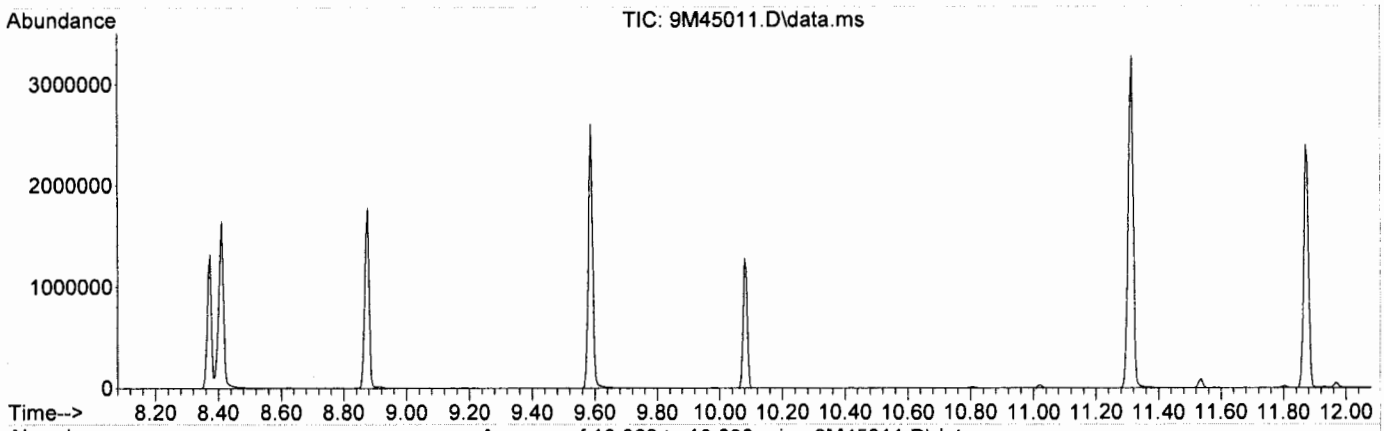
Data File	Sample Number	Analysis Date:
9M45012.D	CAL BNA@50PPM	07/27/12 09:07
9M45013.D	SMB14940	07/27/12 09:31
9M45014.D	SMB14940(MS)	07/27/12 10:17
9M45015.D	OMB14941(MS)	07/27/12 10:40
9M45016.D	OMB14941	07/27/12 11:03
9M45017.D	SMB14940(MS)	07/27/12 11:26
9M45018.D	AC67229-001	07/27/12 11:49
9M45019.D	AC67229-001(MS)	07/27/12 12:12
9M45020.D	AC67229-001(MSD	07/27/12 12:35
9M45021.D	AC67229-017	07/27/12 12:59
9M45022.D	AC67123-001	07/27/12 13:22
9M45023.D	AC67095-007	07/27/12 13:45
9M45024.D	AC67118-011	07/27/12 14:08
9M45025.D	AC67118-001	07/27/12 14:31
9M45026.D	WMB14942	07/27/12 15:26
9M45027.D	WMB14943	07/27/12 15:49
9M45028.D	AC66830-001(T)	07/27/12 16:12
9M45029.D	AC67017-001(T)	07/27/12 16:35
9M45030.D	AC67271-001	07/27/12 16:59
9M45031.D	AC67271-003	07/27/12 17:22
9M45032.D	AC67271-005	07/27/12 17:45
9M45033.D	AC67271-007	07/27/12 18:09
9M45034.D	AC67271-009	07/27/12 18:32
9M45035.D	AC67271-012	07/27/12 18:55
9M45036.D	AC67286-003	07/27/12 19:18
9M45037.D	AC67250-006(T)	07/27/12 19:41
9M45038.D	EF-1 V-145972 DT	07/27/12 20:05

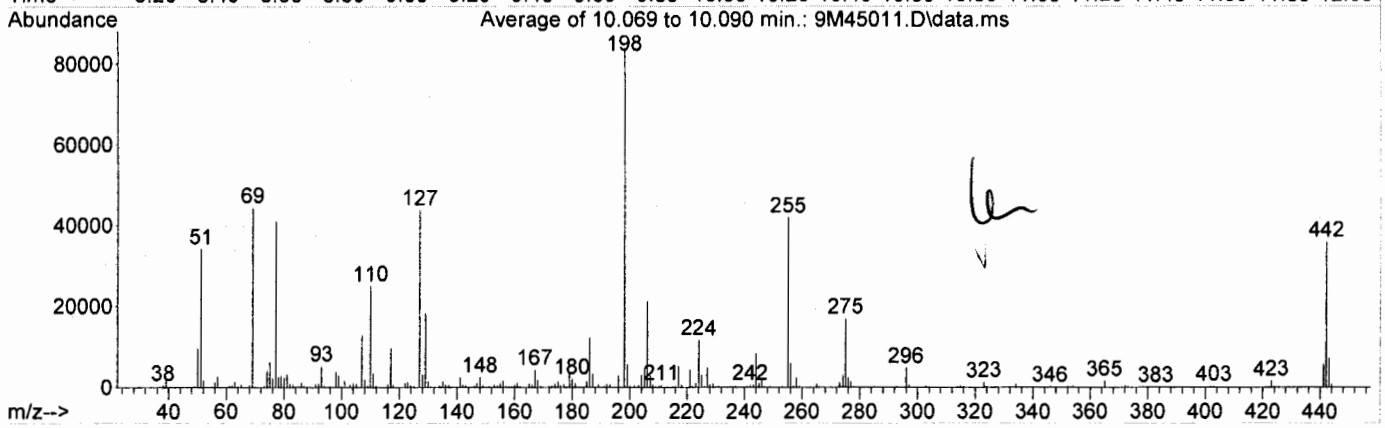
2072508 0168

Data Path : G:\GcMsData\2012\GCMS_9\Data\07-27-12\
Data File : 9M45011.D
Acq On : 27 Jul 2012 8:31
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2012\GCMS_9\MethodQt\9M_0717.M
Title : @GCMS_9,mg,625,8270
Last Update : Tue Jul 17 15:27:28 2012





Spectrum Information: Average of 10.069 to 10.090 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	40.7	34176	PASS
68	69	0.00	2	1.2	546	PASS
69	198	0.00	100	52.9	44384	PASS
70	69	0.00	2	0.4	198	PASS
127	198	40	60	52.2	43770	PASS
197	198	0.00	1	0.3	262	PASS
198	198	100	100	100.0	83884	PASS
199	198	5	9	6.8	5716	PASS
275	198	10	30	20.2	16940	PASS
365	198	1	100	1.9	1602	PASS
441	443	0.01	100	79.8	5763	PASS
442	198	40	100	42.8	35867	PASS
443	442	17	23	20.1	7218	PASS

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 5

Data File: 5M76248.D
Analysis Date: 07/31/12 08:26
Method: EPA 8270C

Tune Scan/Time Range: Average of 10.153 to 10.164 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	35.0	22123	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	37.3	23555	PASS
70	69	0.00	2	0.7	161	PASS
127	198	40	60	47.8	30214	PASS
197	198	0.00	1	0.2	101	PASS
198	198	100	100	100.0	63172	PASS
199	198	5	9	7.0	4406	PASS
275	198	10	30	20.7	13060	PASS
365	198	1	100	2.0	1280	PASS
441	443	0.01	100	71.4	4761	PASS
442	198	40	100	51.3	32412	PASS
443	442	17	23	20.6	6670	PASS

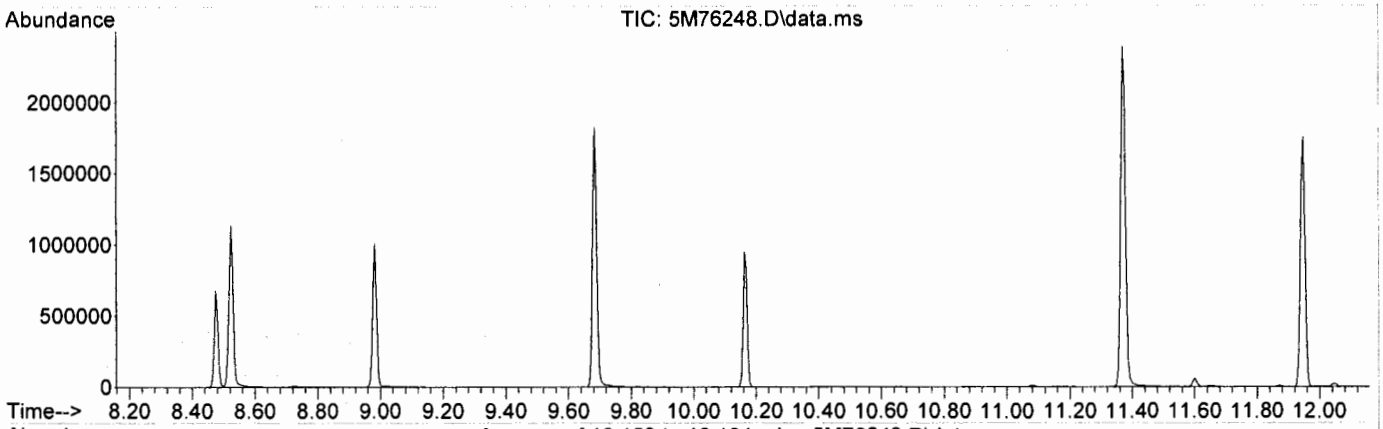
Data File	Sample Number	Analysis Date:
5M76249.D	CAL BNA@50PPM	07/31/12 08:54
5M76250.D	WMB14962(MS)	07/31/12 09:20
5M76251.D	WMB14962	07/31/12 09:44
5M76252.D	AC67289-001	07/31/12 10:07
5M76253.D	AC67289-001(MS)	07/31/12 10:31
5M76254.D	AC67289-001(MSD	07/31/12 10:55
5M76255.D	AC67311-004	07/31/12 11:19
5M76256.D	AC67246-001(R)	07/31/12 11:43
5M76257.D	AC67259-022(T)	07/31/12 12:07
5M76258.D	AC67299-001(T)	07/31/12 12:31
5M76259.D	AC67299-002(T)	07/31/12 12:54
5M76260.D	AC67299-003(T)	07/31/12 13:19
5M76261.D	AC67299-004(T)	07/31/12 13:43
5M76262.D	AC67299-005(T)	07/31/12 14:06
5M76263.D	EF-2 V-143677 DT	07/31/12 14:30
5M76264.D	EF-1 V-145972 DT	07/31/12 14:54
5M76265.D	AC67289-002	07/31/12 15:18
5M76266.D	AC67069-002(T)	07/31/12 15:42
5M76267.D	AC67285-002(R)	07/31/12 16:05
5M76268.D	WMB14969(MS)	07/31/12 16:29
5M76269.D	WMB14969	07/31/12 16:53
5M76270.D	AC67271-005(R)	07/31/12 17:17
5M76271.D	AC67271-007(R)	07/31/12 17:41
5M76272.D	AC67289-003	07/31/12 18:05
5M76273.D	AC67289-004	07/31/12 18:29

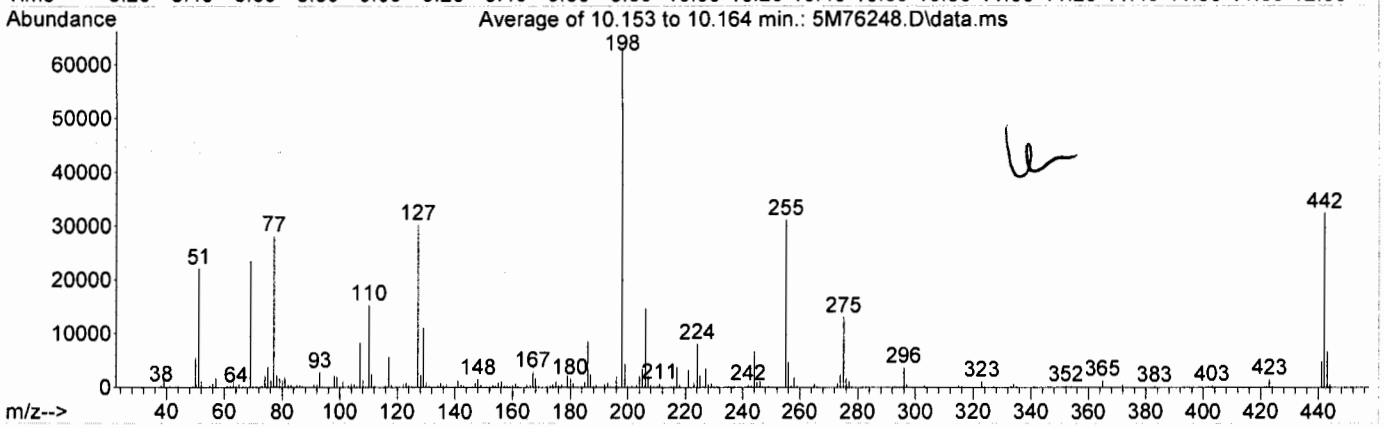
2072508 0170

Data Path : G:\GcMsData\2012\GCMS_5\Data\07-31-12\
Data File : 5M76248.D
Acq On : 31 Jul 2012 8:26
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2012\GCMS_5\METHODQT\5M_0723.M
Title : @GCMS_5,mg,625,8270
Last Update : Mon Jul 23 15:03:22 2012





Spectrum Information: Average of 10.153 to 10.164 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	35.0	22123	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	37.3	23555	PASS
70	69	0.00	2	0.7	161	PASS
127	198	40	60	47.8	30214	PASS
197	198	0.00	1	0.2	101	PASS
198	198	100	100	100.0	63172	PASS
199	198	5	9	7.0	4406	PASS
275	198	10	30	20.7	13060	PASS
365	198	1	100	2.0	1280	PASS
441	443	0.01	100	71.4	4761	PASS
442	198	40	100	51.3	32412	PASS
443	442	17	23	20.6	6670	PASS

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_10

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	10M31326.	CAL BNA@50PPM	07/02/12 13:11	2	10M31324.	CAL BNA@2PPM	07/02/12 12:27
3	10M31323.	CAL BNA@10PPM	07/02/12 12:05	4	10M31322.	CAL BNA@20PPM	07/02/12 11:42
5	10M31321.	CAL BNA@80PPM	07/02/12 11:20	6	10M31320.	CAL BNA@120PPM	07/02/12 10:58
7	10M31319.	CAL BNA@160PPM	07/02/12 10:36	8	10M31318.	CAL BNA@196PPM	07/02/12 10:14
9	10M31325.	CAL BNA@.5PPM	07/02/12 12:49				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
1.4-Dioxane	1	0	Avg	0.6044	0.6442	0.7197	0.6201	0.6254	0.6193	0.6074	0.6137	-----	0.632	2.16	1.00	1.00	5.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pyridine	1	0	Avg	1.6787	1.1976	1.6699	1.6320	1.6831	1.6613	1.6939	1.6708	-----	1.61	2.57	1.00	1.00	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitrosodimethylamin	1	0	Avg	0.9542	0.8083	0.9866	0.9611	0.9958	0.9738	0.9616	1.0029	-----	0.956	2.51	0.999	0.999	6.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorophenol	1	0	Avg	1.3946	1.1673	1.4046	1.3638	1.4309	1.4178	1.4319	1.4524	-----	1.38	4.26	1.00	1.00	6.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzaldehyde	1	0	Qua	0.8672	0.7898	0.9148	0.9172	0.7098	0.4469	0.2471	-----	-----	0.699	5.11	0.778	0.997	37		50.00	2.00	10.00	20.00	80.00	120.0	160.0		
Aniline	1	0	Avg	2.3013	1.7422	2.4502	2.3915	2.2309	2.0307	1.8942	1.8366	1.6021	2.05	5.21	0.993	0.999	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Pentachloroethane	1	0	Avg	0.5100	0.5158	0.5372	0.5207	0.5119	0.5078	0.4576	0.4881	-----	0.506	5.24	0.996	0.997	4.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethyl)ether	1	0	Avg	1.5420	1.6245	1.7010	1.5808	1.5028	1.4372	1.4608	1.3835	1.5632	1.53	5.27	0.998	0.999	6.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Phenol-d5	1	0	Avg	1.8732	1.7606	2.0138	1.9156	1.9311	1.9552	1.9087	1.8404	-----	1.90	5.19	0.999	1.00	4.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol	1	0	Avg	2.1773	2.2011	2.3445	2.2062	2.1861	2.0078	2.0312	1.9053	-----	2.13	5.20	0.996	0.999	6.6	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Chlorophenol	1	0	Avg	1.5241	1.5076	1.6460	1.5703	1.5421	1.4804	1.5232	1.4829	-----	1.53	5.30	1.00	1.00	3.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Decane	1	0	Avg	1.7727	1.9873	2.0076	1.8582	1.7200	1.6275	1.6402	1.4935	-----	1.76	5.35	0.995	0.999	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.3-Dichlorobenzene	1	0	Avg	1.6246	1.7294	1.8230	1.6763	1.5757	1.5603	1.5658	1.4884	-----	1.63	5.43	0.999	1.00	6.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.4-Dichlorobenzene	1	0	Avg	1.6359	1.7604	1.7894	1.7152	1.6157	1.5803	1.6190	1.4932	-----	1.65	5.50	0.997	0.998	6.0	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2-Dichlorobenzene	1	0	Avg	1.5562	1.6904	1.7082	1.5861	1.5155	1.4571	1.4704	1.3511	-----	1.54	5.63	0.996	0.999	7.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzyl alcohol	1	0	Avg	1.0422	0.8370	1.0161	0.9811	1.0224	0.9696	0.9786	0.9293	-----	0.972	5.62	0.998	1.00	6.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-chloroisopropyl)et	1	0	Avg	2.5167	2.8844	2.8685	2.6325	2.4495	2.2751	2.2646	1.9915	-----	2.49	5.72	0.989	0.998	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylphenol	1	0	Avg	1.4644	1.4844	1.5720	1.4988	1.4631	1.4029	1.4186	1.3475	1.3721	1.45	5.71	0.999	1.00	4.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Acetophenone	1	0	Avg	2.0180	2.2020	2.3191	2.1579	2.0080	1.8701	1.8903	1.8040	-----	2.03	5.83	0.998	0.999	8.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachloroethane	1	0	Avg	0.6579	0.6770	0.7036	0.6636	0.6546	0.6370	0.6591	0.6328	-----	0.661	5.90	0.999	0.999	3.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitroso-di-n-propylan	1	0	Avg	1.1372	1.1912	1.3014	1.2231	1.1348	1.0416	1.0569	1.0056	1.0710	1.13	5.83	0.998	0.999	8.5	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
3&4-Methylphenol	1	0	Avg	1.4710	1.5165	1.6172	1.5811	1.4542	1.3414	1.3689	1.2938	1.3532	1.44	5.84	0.997	0.999	7.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Nitrobenzene-d5	1	0	Avg	0.1758	0.1554	0.1788	0.1700	0.1817	0.1844	0.1866	0.1865	-----	0.177	5.95	1.00	1.00	5.9		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
Nitrobenzene	1	0	Avg	0.4264	0.4290	0.4509	0.4146	0.4234	0.4127	0.4131	0.4009	-----	0.421	5.97	0.999	1.00	3.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Isophorone	1	0	Avg	0.7648	0.7296	0.8215	0.7420	0.7385	0.7401	0.7321	0.7468	-----	0.752	6.15	1.00	1.00	4.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitrophenol	1	0	Avg	0.2144	0.1863	0.2119	0.2075	0.2187	0.2422	0.2148	0.2094	-----	0.213	6.21	0.997	0.997	7.2	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dimethylphenol	1	0	Avg	0.4063	0.3974	0.4155	0.4065	0.4043	0.3888	0.3904	0.3773	-----	0.398	6.25	0.999	1.00	3.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzoic Acid	1	0	Qua	0.2327	-----	0.1509	0.1889	0.2677	0.2837	0.3022	0.3122	-----	0.248	6.34	0.997	1.00	24		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethoxy)met	1	0	Avg	0.4627	0.4808	0.4994	0.4603	0.4496	0.4412	0.4526	0.4286	-----	0.459	6.32	0.999	0.999	4.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dichlorophenol	1	0	Avg	0.3144	0.2919	0.3306	0.3082	0.3125	0.3044	0.3030	0.2852	0.2354	0.298	6.40	0.998	1.00	9.0	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
1.2.4-Trichlorobenzene	1	0	Avg	0.3218	0.3634	0.3659	0.3273	0.3197	0.3152	0.3177	0.3028	-----	0.329	6.46	0.999	1.00	7.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Naphthalene	1	0	Avg	1.0883	1.2082	1.1971	1.1086	1.0867	1.0323	1.0378	0.9701	1.3077	1.12	6.52	0.997	0.999	9.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
4-Chloroaniline	1	0	Qua	0.4604	0.3513	0.4547	0.4828	0.4468	0.3773	0.3319	0.2777	0.3075	0.388	6.56	0.947	0.999	19		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Hexachlorobutadiene	1	0	Avg	0.1655	0.1755	0.1755	0.1674	0.1635	0.1621	0.1635	0.1554	-----	0.166	6.60	0.999	0.999	4.1	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Caprolactam	1	0	Avg	0.1322	0.1011	0.1286	0.1280	0.1367	0.1422	0.1423	0.1424	-----	0.132	6.84	1.00	1.00	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chloro-3-methylphen	1	0	Avg	0.3557	0.3124	0.3716	0.3518	0.3593	0.3518	0.3501	0.3386	-----	0.349	6.93	0.999	1.00	5.0	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylnaphthalene	1	0	Avg	0.7643	0.8252	0.8134	0.7631	0.7415	0.7012	0.6987	0.6542	-----	0.745	7.04	0.996	1.00	7.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Methylnaphthalenes (T	1	0	Avg	0.7643	0.8252	0.8134	0.7631	0.7415	0.7012	0.6987	0.6542	-----	0.745	7.04	0.996	1.00	7.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.1'-Biphenyl	1	0	Avg	0.8929	0.9875	0.9967	0.9042	0.8901	0.8234	0.8279	0.7763	-----	0.887	7.40	0.997	0.999	8.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2.4.5-Tetrachloroben	1	0	Avg	0.5275	0.5932	0.5838	0.5477	0.5209	0.5057	0.5018	0.4620	-----	0.530	7.17	0.996	0.999	8.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorocyclopentac	1	0	Qua	0.1855	0.0521	0.1218	0.1547	0.2096	0.2375	0.2317	0.2378	-----	0.179	7.15	0.993	0.998	37	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria — ** - ccc compound*

b - failed the ccc criteria — *** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 8.35

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

20072508 0171

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_10

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	10M31326.	CAL BNA@50PPM	07/02/12 13:11	2	10M31324.	CAL BNA@2PPM	07/02/12 12:27
3	10M31323.	CAL BNA@10PPM	07/02/12 12:05	4	10M31322.	CAL BNA@20PPM	07/02/12 11:42
5	10M31321.	CAL BNA@80PPM	07/02/12 11:20	6	10M31320.	CAL BNA@120PPM	07/02/12 10:58
7	10M31319.	CAL BNA@160PPM	07/02/12 10:36	8	10M31318.	CAL BNA@196PPM	07/02/12 10:14
9	10M31325.	CAL BNA@.5PPM	07/02/12 12:49				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
2.4.6-Trichlorophenol	1	0	Avg	0.3679	0.3423	0.3933	0.3759	0.3636	0.3673	0.3656	0.3513	-----	0.366	7.26	0.999	1.00	4.2	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4.5-Trichlorophenol	1	0	Avg	0.3962	0.3675	0.4202	0.4055	0.3994	0.3986	0.3904	0.3734	-----	0.394	7.29	0.998	1.00	4.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorobiphenyl	1	0	Avg	1.4068	1.4938	1.5674	1.4276	1.3796	1.3973	1.3667	1.2958	-----	1.42	7.32	0.997	0.999	5.8		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
2-Chloronaphthalene	1	0	Avg	1.1662	1.3063	1.3710	1.2492	1.1549	1.1386	1.1194	1.0391	-----	1.19	7.42	0.996	0.999	9.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,4-Dimethylnaphthaler	1	0	Avg	0.9171	1.0539	1.1041	1.0054	0.8868	0.8586	0.8285	0.7945	-----	0.931	7.69	0.997	1.00	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylnaphthalenes	1	0	Avg	0.9171	1.0539	1.1041	1.0054	0.8868	0.8586	0.8285	0.7945	-----	0.931	7.69	0.997	1.00	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diphenyl Ether	1	0	Avg	0.8066	0.8811	0.9214	0.8325	0.7774	0.7616	0.7558	0.7257	-----	0.808	7.48	0.999	1.00	8.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitroaniline	1	0	Avg	0.5131	0.4826	0.5522	0.5212	0.5047	0.4957	0.4877	0.4633	-----	0.503	7.51	0.998	1.00	5.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Coumarin	1	0	Avg	0.4908	0.5165	0.5676	0.5205	0.4707	0.4392	0.4188	0.4101	-----	0.479	7.69	0.996	1.00	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthylene	1	0	Avg	1.9609	2.1121	2.2297	2.0209	1.8639	1.8186	1.7851	1.6681	-----	1.93	7.77	0.996	1.00	9.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylphthalate	1	0	Avg	1.4246	1.5218	1.6052	1.4708	1.3985	1.3701	1.3511	1.2913	-----	1.43	7.65	0.998	1.00	7.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,6-Dinitrotoluene	1	0	Avg	0.3241	0.3151	0.3531	0.3335	0.3165	0.3088	0.3029	0.2768	-----	0.316	7.71	0.994	0.999	7.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthene	1	0	Avg	1.2868	1.4147	1.4361	1.3068	1.2314	1.2114	1.1944	1.0986	-----	1.27	7.91	0.995	0.999	8.9	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3-Nitroaniline	1	0	Avg	0.4086	0.3306	0.4135	0.4124	0.3974	0.3532	0.3255	0.3095	-----	0.369	7.85	0.987	1.00	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4-Dinitrophenol	1	0	Qua	0.1697	-----	0.0892	0.1221	0.1882	0.1996	0.1954	0.2063	-----	0.167	7.95	0.999	0.999	27	**(0.050)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzofuran	1	0	Avg	1.7247	1.9405	1.9386	1.7792	1.6519	1.5843	1.5201	1.4511	1.9418	1.73	8.06	0.996	1.00	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
2,4-Dinitrotoluene	1	0	Avg	0.4553	0.4000	0.4651	0.4402	0.4398	0.4178	0.4077	0.3870	-----	0.427	8.05	0.997	1.00	6.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitrophenol	1	0	Avg	0.2986	0.1828	0.2705	0.2723	0.3102	0.2959	0.2875	0.3053	-----	0.278	7.99	0.999	0.999	15	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,3,4,6-Tetrachlorophe	1	0	Avg	0.3198	0.2822	0.3194	0.3130	0.3047	0.2996	0.2954	0.2947	-----	0.304	8.17	1.00	1.00	4.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluorene	1	0	Avg	1.4639	1.5987	1.6586	1.4926	1.4050	1.3374	1.3023	1.2390	-----	1.44	8.38	0.997	1.00	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chlorophenyl-phenyle	1	0	Avg	0.6377	0.6697	0.7048	0.6540	0.6120	0.5982	0.5878	0.5855	-----	0.631	8.36	1.00	1.00	6.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diethylphthalate	1	0	Avg	1.5339	1.5558	1.6391	1.5582	1.5051	1.4311	1.4188	1.3850	-----	1.50	8.25	0.999	1.00	5.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitroaniline	1	0	Avg	0.4378	0.3237	0.4356	0.4209	0.4272	0.4050	0.3982	0.4030	-----	0.406	8.40	0.999	0.999	9.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Atrazine	1	0	Avg	0.3642	0.3181	0.3712	0.3576	0.3616	0.3491	0.3460	0.3429	-----	0.351	9.01	1.00	1.00	4.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4,6-Dinitro-2-methylphe	1	0	Qua	0.1330	0.0431	0.1036	0.1134	0.1389	0.1432	0.1425	0.1425	-----	0.120	8.43	0.999	0.999	29		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
n-Nitrosodiphenylamine	1	0	Avg	0.6901	0.7456	0.7685	0.7163	0.6631	0.6760	0.6616	0.6213	-----	0.693	8.48	0.997	0.999	7.0	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4,6-Tribromophenol	1	0	Avg	0.0837	0.0701	0.0829	0.0806	0.0815	0.0842	0.0834	0.0822	-----	0.0811	8.61	1.00	1.00	5.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,2-Diphenylhydrazine	1	0	Avg	1.0239	1.0645	1.1486	1.0564	0.9782	0.9973	0.9561	0.8971	-----	1.02	8.52	0.996	0.999	7.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Bromophenyl-phenyle	1	0	Avg	0.1916	0.1929	0.2133	0.1988	0.1880	0.1942	0.1882	0.1834	-----	0.194	8.84	0.999	1.00	4.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobenzene	1	0	Avg	0.1920	0.2094	0.2105	0.2025	0.1882	0.1905	0.1860	0.1819	-----	0.195	8.90	0.999	1.00	5.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Octadecane	1	0	Avg	0.6092	0.6051	0.6347	0.6476	0.5774	0.5843	0.5596	0.4939	-----	0.589	9.17	0.988	0.997	8.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachlorophenol	1	0	Qua	0.1087	-----	0.0785	0.0919	0.1184	0.1234	0.1208	0.1215	-----	0.109	9.10	0.999	0.999	16	*(30)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Phenanthrene	1	0	Avg	1.1492	1.2329	1.2896	1.2189	1.1049	1.0946	1.0744	1.0112	-----	1.15	9.33	0.997	1.00	8.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Anthracene	1	0	Avg	1.1832	1.2525	1.3301	1.2746	1.1369	1.1142	1.0929	1.0282	-----	1.18	9.39	0.997	1.00	8.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Carbazole	1	0	Avg	1.1737	1.1925	1.2944	1.2037	1.1539	1.1084	1.0741	1.0387	-----	1.15	9.56	0.998	1.00	7.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-butylphthalate	1	0	Avg	1.4982	1.3246	1.5711	1.5017	1.4386	1.4885	1.4145	1.3679	1.1046	1.41	9.93	0.998	1.00	9.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Fluoranthene	1	0	Avg	1.2825	1.2716	1.3555	1.2863	1.2331	1.1933	1.1675	1.1140	-----	1.24	10.64	0.998	1.00	6.2	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pyrene	1	0	Avg	1.3814	1.3930	1.4957	1.3961	1.3581	1.4319	1.3970	1.3970	-----	1.41	10.91	1.00	1.00	3.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzidine	1	0	Qua	0.5426	0.2418	0.4445	0.4765	0.4819	0.3711	0.2945	-----	-----	0.408	10.81	0.903	0.997	27		50.00	2.00	10.00	20.00	80.00	120.0	160.0		
Terphenyl-d14	1	0	Avg	0.8376	0.8054	0.8748	0.8289	0.8240	0.8793	0.8765	0.8877	-----	0.852	11.09	0.999	1.00	3.7		25.00	1.00	5.00	10.00	40.00	60.00	80.00	96.00	
4,4'-DDE	1	0	Avg	0.2696	0.2575	0.2779	0.2625	0.2665	0.2907	0.2874	0.2962	-----	0.276	11.02	0.999	1.00	5.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Avg Rsd: 8.35

Flags

a - failed the spcc criteria — ** - ccc compound*

b - failed the ccc criteria — *** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note:

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

20072508 0172

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_10

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	10M31326.	CAL BNA@50PPM	07/02/12 13:11	2	10M31324.	CAL BNA@2PPM	07/02/12 12:27
3	10M31323.	CAL BNA@10PPM	07/02/12 12:05	4	10M31322.	CAL BNA@20PPM	07/02/12 11:42
5	10M31321.	CAL BNA@80PPM	07/02/12 11:20	6	10M31320.	CAL BNA@120PPM	07/02/12 10:58
7	10M31319.	CAL BNA@160PPM	07/02/12 10:36	8	10M31318.	CAL BNA@196PPM	07/02/12 10:14
9	10M31325.	CAL BNA@.5PPM	07/02/12 12:49				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
4.4'-DDD	1	0	Avg	0.4600	0.4094	0.4764	0.4444	0.4689	0.4978	0.4973	0.4978	-----	0.469	11.42	0.999	1.00	6.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Butylbenzylphthalate	1	0	Avg	0.7265	0.5366	0.6817	0.6758	0.7186	0.7722	0.7662	0.7657	-----	0.705	11.68	0.999	1.00	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4.4'-DDT	1	0	Avg	0.4106	0.3439	0.4290	0.4022	0.4226	0.4497	0.4440	0.4570	-----	0.420	11.77	0.999	1.00	8.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3.3'-Dichlorobenzidine	1	0	Qua	0.3425	0.2493	0.3232	0.3351	0.3343	0.3066	0.2906	0.2609	-----	0.305	12.30	0.985	1.00	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]anthracene	1	0	Avg	1.1432	1.2053	1.2307	1.1159	1.1509	1.1421	1.1364	1.1612	-----	1.16	12.32	1.00	1.00	3.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Chrysene	1	0	Avg	1.0277	1.1681	1.1869	1.0802	1.0285	1.0097	1.0167	1.0303	-----	1.07	12.37	1.00	1.00	6.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Ethylhexyl)phthal	1	0	Avg	0.9633	0.7645	0.9581	0.9439	0.9658	1.0039	0.9767	0.9617	-----	0.942	12.37	0.999	1.00	7.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-octylphthalate	1	0	Avg	1.9955	1.3648	1.7956	1.8407	1.9451	2.1506	2.1167	2.1956	-----	1.93	13.12	0.998	0.999	14	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[b]fluoranthene	1	0	Avg	1.2769	1.2405	1.3195	1.2954	1.2274	1.3091	1.2670	1.2467	-----	1.27	13.53	0.999	0.999	2.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[k]fluoranthene	1	0	Avg	1.2018	1.2329	1.3816	1.2937	1.1953	1.1453	1.1331	1.1907	-----	1.22	13.56	0.999	0.999	6.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]pyrene	1	0	Avg	1.1698	1.0682	1.3082	1.2000	1.1721	1.1653	1.1483	1.1493	-----	1.17	13.87	1.00	1.00	5.7	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Indeno[1.2.3-cd]pyrene	1	0	Avg	1.1045	1.0070	1.1715	1.0900	1.1257	1.1259	1.0617	1.1010	-----	1.10	15.10	0.999	0.999	4.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzo[a.h]anthracen	1	0	Avg	0.8811	0.7857	0.9216	0.8521	0.9063	0.9243	0.8556	0.8807	-----	0.876	15.11	0.998	0.999	5.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[g.h.i]perylene	1	0	Avg	0.9573	0.9308	1.0342	0.9738	0.9965	0.9878	0.9329	0.9715	-----	0.973	15.42	0.999	0.999	3.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags
a - failed the spcc criteria ** - ccc compound*
b - failed the ccc criteria *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 8.35
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

20072508 0173

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_9

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	9M44773.	CAL BNA@50PPM	07/17/12 12:35	2	9M44766.	CAL BNA@2PPM	07/17/12 09:51
3	9M44765.	CAL BNA@10PPM	07/17/12 09:28	4	9M44772.	CAL BNA@20PPM	07/17/12 12:11
5	9M44771.	CAL BNA@80PPM	07/17/12 11:47	6	9M44770.	CAL BNA@120PPM	07/17/12 11:24
7	9M44769.	CAL BNA@160PPM	07/17/12 11:01	8	9M44768.	CAL BNA@196PPM	07/17/12 10:37
9	9M44767.	CAL BNA@.5PPM	07/17/12 10:14				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
1.4-Dioxane	1	0	Avg	0.6666	0.6743	0.6356	0.6413	0.6315	0.6469	0.6531	0.6303	-----	0.647	2.71	0.999	0.999	2.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pyridine	1	0	Avg	1.7532	1.2066	1.4894	1.7733	1.9247	1.7885	1.7682	1.6995	-----	1.68	3.17	0.998	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitrosodimethylamin	1	0	Avg	1.0055	0.7654	0.9204	0.9832	1.0362	1.0385	1.0030	0.9664	-----	0.965	3.11	0.998	1.00	9.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorophenol	1	0	Avg	1.6976	1.2542	1.3801	1.4461	1.6482	1.6392	1.6521	1.6673	-----	1.55	4.69	0.999	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzaldehyde	1	0	Qua	1.0364	1.2100	1.2389	1.2266	0.8731	0.6728	0.5365	0.4086	-----	0.900	5.52	0.872	0.998	37		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Aniline	1	0	LinF	2.6906	1.7513	2.1313	2.5253	2.6668	2.3756	2.3346	2.1985	1.4980	2.24	5.61	0.994	0.998	18		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Pentachloroethane	1	0	Avg	0.6175	0.5830	0.5856	0.5887	0.6117	0.5871	0.5761	0.5489	-----	0.587	5.66	0.997	1.00	3.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethyl)ether	1	0	Avg	1.6612	1.5601	1.6706	1.5939	1.5793	1.5501	1.4751	1.4289	1.3427	1.54	5.67	0.997	1.00	7.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Phenol-d5	1	0	Avg	2.3484	2.1204	2.0539	2.1965	2.4012	2.2901	2.3187	2.2628	-----	2.25	5.57	0.999	1.00	5.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol	1	0	Avg	2.2726	2.2727	2.2307	2.2093	2.2784	2.2354	2.1318	2.1577	-----	2.22	5.58	0.999	1.00	2.5	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Chlorophenol	1	0	Avg	1.6200	1.3910	1.4825	1.5601	1.5841	1.5849	1.6204	1.5436	-----	1.55	5.71	0.999	0.999	5.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Decane	1	0	Avg	1.6524	1.6758	1.6527	1.6668	1.5867	1.4822	1.5169	1.4095	-----	1.58	5.76	0.996	0.999	6.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.3-Dichlorobenzene	1	0	Avg	1.7380	1.7175	1.6238	1.6281	1.7536	1.6349	1.6519	1.6460	-----	1.67	5.85	0.999	0.999	3.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.4-Dichlorobenzene	1	0	Avg	1.8023	1.6313	1.6668	1.7249	1.7567	1.7030	1.7096	1.6728	-----	1.71	5.91	0.999	1.00	3.2	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2-Dichlorobenzene	1	0	Avg	1.6337	1.7093	1.4892	1.6575	1.6153	1.5969	1.6244	1.5570	-----	1.61	6.03	0.999	1.00	4.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzyl alcohol	1	0	Avg	1.1012	0.9651	0.9950	1.0158	1.1083	1.1764	1.1268	1.0853	-----	1.07	6.01	0.998	0.999	6.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-chloroisopropyl)et	1	0	Avg	1.9552	1.9312	1.9628	1.9664	1.9699	1.7840	1.8417	1.7162	-----	1.89	6.12	0.996	0.999	5.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylphenol	1	0	Avg	1.6282	1.3924	1.4252	1.5063	1.4907	1.5706	1.5410	1.4799	1.3987	1.49	6.09	0.999	0.999	5.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Acetophenone	1	0	Avg	2.4019	2.4472	2.2029	2.3464	2.4114	2.3605	2.2499	2.2991	-----	2.34	6.22	0.999	0.999	3.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachloroethane	1	0	Avg	0.8059	0.7211	0.7106	0.7499	0.7823	0.7854	0.7523	0.7194	-----	0.753	6.31	0.997	1.00	4.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitroso-di-n-propylan	1	0	Avg	1.3124	1.3427	1.2435	1.3037	1.3300	1.3067	1.2060	1.1743	1.0481	1.25	6.22	0.996	1.00	7.7	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
3&4-Methylphenol	1	0	Avg	1.7154	1.4069	1.4751	1.5628	1.7418	1.6906	1.6531	1.6753	1.2399	1.57	6.22	1.00	1.00	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Nitrobenzene-d5	1	0	Avg	0.1918	0.1498	0.1662	0.1757	0.1958	0.1750	0.1872	0.1925	-----	0.179	6.34	0.997	0.998	8.8		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
Nitrobenzene	1	0	Avg	0.4830	0.4388	0.4678	0.4766	0.5016	0.4705	0.4586	0.4681	-----	0.471	6.36	0.999	0.999	3.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Isophorone	1	0	Avg	0.8784	0.7454	0.8203	0.8543	0.8833	0.8947	0.8305	0.9190	-----	0.853	6.55	0.996	0.996	6.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitrophenol	1	0	LinF	0.2174	0.1115	0.1752	0.1933	0.2181	0.2154	0.2142	0.2261	-----	0.196	6.62	0.999	0.999	19	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dimethylphenol	1	0	Avg	0.4792	0.4401	0.4606	0.4567	0.4870	0.4837	0.4660	0.4796	-----	0.469	6.64	0.999	0.999	3.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzoic Acid	1	0	Qua	0.3568	-----	0.0761	0.2343	0.3791	0.3776	0.3924	0.4000	-----	0.317	6.72	1.00	1.00	38		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethoxy)met	1	0	Avg	0.5028	0.4659	0.4944	0.5044	0.5150	0.4822	0.4861	0.5035	-----	0.494	6.72	0.999	0.999	3.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dichlorophenol	1	0	Avg	0.3640	0.2943	0.3318	0.3187	0.3602	0.3549	0.3509	0.3633	0.2928	0.337	6.80	0.999	1.00	8.5	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
1.2.4-Trichlorobenzene	1	0	Avg	0.3789	0.3323	0.3681	0.3715	0.3938	0.3751	0.3715	0.3997	-----	0.374	6.87	0.997	0.998	5.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Naphthalene	1	0	Avg	1.1638	1.1879	1.1660	1.1206	1.1940	1.1822	1.1369	1.2121	1.1319	1.17	6.94	0.999	0.999	2.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
4-Chloroaniline	1	0	Qua	0.4768	0.2959	0.3792	0.4922	0.4623	0.4075	0.3538	0.3273	0.2919	0.387	6.97	0.972	0.999	20		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Hexachlorobutadiene	1	0	Avg	0.2269	0.2070	0.2128	0.2173	0.2210	0.2219	0.2214	0.2297	-----	0.220	7.03	0.999	1.00	3.3	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Caprolactam	1	0	Qua	0.1301	0.0787	0.1177	0.1296	0.1360	0.1335	0.1090	0.0973	-----	0.117	7.25	0.978	0.996	17		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chloro-3-methylphen	1	0	Avg	0.4180	0.3491	0.3832	0.4112	0.4237	0.4243	0.4387	0.4487	-----	0.412	7.33	0.999	1.00	7.8	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylnaphthalene	1	0	Avg	0.8051	0.6738	0.7758	0.7855	0.8242	0.8214	0.8251	0.8418	-----	0.794	7.48	1.00	1.00	6.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Methylnaphthalenes (T	1	0	Avg	0.8060	0.6738	0.7758	0.7855	0.8260	0.8214	0.8252	0.8418	-----	0.794	7.48	1.00	1.00	6.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.1'-Biphenyl	1	0	Avg	1.0195	0.9050	0.9156	0.9421	0.9942	0.9888	0.9915	1.0443	-----	0.975	7.86	0.999	0.999	5.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2.4.5-Tetrachloroben	1	0	Avg	0.6680	0.5899	0.6214	0.6329	0.6573	0.6230	0.6056	0.6119	-----	0.626	7.61	0.999	0.999	4.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorocyclopentac	1	0	Qua	0.3870	0.2217	0.2944	0.3065	0.3792	0.3769	0.3700	0.3761	-----	0.339	7.60	0.999	0.999	17	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Avg Rsd: 8.48

Flags
a - failed the spcc criteria — ** - ccc compound*
b - failed the ccc criteria — *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note:
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

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Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_9

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	9M44773.	CAL BNA@50PPM	07/17/12 12:35	2	9M44766.	CAL BNA@2PPM	07/17/12 09:51
3	9M44765.	CAL BNA@10PPM	07/17/12 09:28	4	9M44772.	CAL BNA@20PPM	07/17/12 12:11
5	9M44771.	CAL BNA@80PPM	07/17/12 11:47	6	9M44770.	CAL BNA@120PPM	07/17/12 11:24
7	9M44769.	CAL BNA@160PPM	07/17/12 11:01	8	9M44768.	CAL BNA@196PPM	07/17/12 10:37
9	9M44767.	CAL BNA@.5PPM	07/17/12 10:14				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
2.4.6-Trichlorophenol	1	0	Avg	0.4753	0.2961	0.3809	0.4050	0.4474	0.4376	0.4314	0.4069	-----	0.410	7.70	0.996	0.999	13	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4.5-Trichlorophenol	1	0	Avg	0.4642	0.3937	0.4253	0.4268	0.4854	0.4705	0.4408	0.4275	-----	0.442	7.73	0.996	0.999	6.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorobiphenyl	1	0	Avg	1.6519	1.5751	1.5250	1.5057	1.5980	1.5382	1.4698	1.4182	-----	1.54	7.77	0.997	0.999	4.8		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
2-Chloronaphthalene	1	0	Avg	1.3423	1.2858	1.3163	1.3193	1.3113	1.2196	1.1530	1.1912	-----	1.27	7.88	0.997	0.998	5.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,4-Dimethylnaphthalei	1	0	Avg	1.0175	1.0001	1.0005	1.0315	0.9887	0.9694	0.9984	1.0015	-----	1.00	8.16	1.00	1.00	1.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylnaphthalenes	1	0	Avg	1.0175	1.0001	1.0005	1.0315	0.9887	0.9694	0.9984	1.0015	-----	1.00	8.16	1.00	1.00	1.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diphenyl Ether	1	0	Avg	0.8880	0.7967	0.8784	0.8971	0.8720	0.8599	0.8024	0.8409	-----	0.854	7.94	0.998	0.998	4.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitroaniline	1	0	Avg	0.5351	0.4327	0.4927	0.5401	0.5115	0.5235	0.4896	0.4697	-----	0.499	7.95	0.996	0.999	7.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Coumarin	1	0	Avg	0.5225	0.5021	0.5396	0.4822	0.5085	0.5060	0.5004	0.5102	-----	0.509	8.15	1.00	1.00	3.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthylene	1	0	Avg	2.1312	1.9438	1.9465	1.9543	2.0729	1.9649	1.9301	1.9142	-----	1.98	8.24	0.999	1.00	3.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylphthalate	1	0	Avg	1.5652	1.5265	1.4408	1.4915	1.5830	1.5539	1.4843	1.4719	-----	1.51	8.10	0.999	1.00	3.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,6-Dinitrotoluene	1	0	Avg	0.3376	0.2303	0.3278	0.3241	0.3277	0.3345	0.3379	0.3282	-----	0.319	8.16	1.00	1.00	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthene	1	0	Avg	1.3421	1.2665	1.3176	1.2759	1.3381	1.2946	1.2884	1.2700	-----	1.30	8.40	1.00	1.00	2.3	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3-Nitroaniline	1	0	Avg	0.3811	0.2941	0.3278	0.3517	0.3740	0.3497	0.3201	0.2912	-----	0.336	8.31	0.989	0.999	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4-Dinitrophenol	1	0	Qua	0.1381	-----	0.0514	0.0835	0.1519	0.1588	0.1655	0.1622	-----	0.130	8.40	0.999	0.999	34	**(0.050)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzofuran	1	0	Avg	1.9207	1.8271	1.7662	1.7648	1.8441	1.8181	1.6825	1.7318	2.0076	1.82	8.55	0.998	0.999	5.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
2,4-Dinitrotoluene	1	0	LinF	0.4633	0.2288	0.3666	0.3919	0.4427	0.4560	0.4205	0.4430	-----	0.402	8.52	0.998	0.998	19		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitrophenol	1	0	Avg	0.3473	0.2620	0.3185	0.3513	0.3704	0.3675	0.3474	0.3445	-----	0.339	8.43	0.999	0.999	10	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,3,4,6-Tetrachlorophe	1	0	LinF	0.3885	0.1910	0.2800	0.3499	0.3788	0.3667	0.3548	0.3704	-----	0.335	8.65	0.999	0.999	20		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluorene	1	0	Avg	1.6546	1.4148	1.5095	1.5321	1.6321	1.5304	1.4887	1.5147	-----	1.53	8.87	0.998	0.999	5.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chlorophenyl-phenyl	1	0	Avg	0.7725	0.6819	0.7170	0.7059	0.7578	0.7409	0.7196	0.7348	-----	0.729	8.86	0.999	1.00	4.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diethylphthalate	1	0	Avg	1.6041	1.5150	1.5858	1.5572	1.6581	1.6090	1.5195	1.4838	-----	1.57	8.74	0.997	1.00	3.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitroaniline	1	0	Avg	0.4045	0.2753	0.3827	0.3862	0.4208	0.3893	0.3674	0.3540	-----	0.373	8.88	0.994	1.00	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Atrazine	1	0	Avg	0.3992	0.3478	0.3811	0.3888	0.4135	0.3967	0.3951	0.3733	-----	0.387	9.50	0.997	0.999	5.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4,6-Dinitro-2-methylphe	1	0	Qua	0.1202	-----	0.0461	0.0758	0.1157	0.1168	0.1269	0.1282	-----	0.104	8.90	0.998	0.998	30		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
n-Nitrosodiphenylamine	1	0	Avg	0.7563	0.7023	0.6831	0.7075	0.7628	0.7218	0.7294	0.7239	-----	0.723	8.97	0.999	1.00	3.7	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4,6-Tribromophenol	1	0	Qua	0.0887	0.0361	0.0663	0.0767	0.0860	0.0834	0.0889	0.0899	-----	0.0770	9.11	0.999	0.999	24		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,2-Diphenylhydrazine	1	0	Avg	1.0015	1.0089	0.9794	1.0116	1.0108	0.9223	0.9601	1.0006	-----	0.987	9.02	0.998	0.998	3.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Bromophenyl-phenyl	1	0	Avg	0.2314	0.2039	0.2017	0.2141	0.2307	0.2222	0.2353	0.2336	-----	0.222	9.35	0.999	0.999	6.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobenzene	1	0	Avg	0.2066	0.2061	0.1907	0.2140	0.2164	0.2024	0.2117	0.2203	-----	0.209	9.42	0.998	0.998	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Octadecane	1	0	Avg	0.5465	0.5048	0.5061	0.5748	0.5507	0.4914	0.5344	0.4968	-----	0.526	9.69	0.996	0.997	5.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachlorophenol	1	0	Qua	0.1517	-----	0.0803	0.1180	0.1549	0.1547	0.1645	0.1629	-----	0.141	9.62	1.00	1.00	22	*(30)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Phenanthrene	1	0	Avg	1.2553	1.1792	1.1836	1.2478	1.2282	1.1995	1.2446	1.2249	-----	1.22	9.86	1.00	1.00	2.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Anthracene	1	0	Avg	1.2126	1.2211	1.2129	1.2490	1.2959	1.2018	1.2683	1.2694	-----	1.24	9.91	0.999	0.999	2.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Carbazole	1	0	Avg	1.1689	1.1869	1.1858	1.1905	1.2590	1.1570	1.1530	1.2258	-----	1.19	10.08	0.998	0.998	3.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-butylphthalate	1	0	Avg	1.5875	1.2903	1.4143	1.5497	1.6517	1.5654	1.6042	1.5789	1.2420	1.50	10.46	1.00	1.00	9.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Fluoranthene	1	0	Avg	1.4851	1.3261	1.3495	1.4304	1.5365	1.4673	1.4955	1.4235	-----	1.44	11.18	0.998	0.999	5.0	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pyrene	1	0	Avg	1.5327	1.2459	1.3333	1.3951	1.5774	1.4931	1.5832	1.5856	-----	1.47	11.45	0.999	0.999	8.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzidine	1	0	Qua	0.5843	0.2484	0.3774	0.5667	0.5454	0.4161	0.3833	0.3419	-----	0.433	11.33	0.954	0.994	28		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Terphenyl-d14	1	0	Avg	0.8720	0.7211	0.7914	0.8172	0.9191	0.8891	0.9148	0.9956	-----	0.865	11.63	0.996	0.998	9.9		25.00	1.00	5.00	10.00	40.00	60.00	80.00	96.00	
4,4'-DDE	1	0	Avg	0.2997	0.2624	0.2576	0.2739	0.3088	0.2951	0.2927	0.3278	-----	0.290	11.56	0.994	0.996	8.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Avg Rsd: 8.48

Flags

a - failed the spcc criteria — ** - ccc compound*

b - failed the ccc criteria — *** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note:

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

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Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_9

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	9M44773.	CAL BNA@50PPM	07/17/12 12:35	2	9M44766.	CAL BNA@2PPM	07/17/12 09:51
3	9M44765.	CAL BNA@10PPM	07/17/12 09:28	4	9M44772.	CAL BNA@20PPM	07/17/12 12:11
5	9M44771.	CAL BNA@80PPM	07/17/12 11:47	6	9M44770.	CAL BNA@120PPM	07/17/12 11:24
7	9M44769.	CAL BNA@160PPM	07/17/12 11:01	8	9M44768.	CAL BNA@196PPM	07/17/12 10:37
9	9M44767.	CAL BNA@.5PPM	07/17/12 10:14				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
4,4'-DDD	1	0	Avg	0.5301	0.4081	0.4477	0.4596	0.5502	0.5246	0.5281	0.5426	-----	0.499	11.96	0.999	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Butylbenzylphthalate	1	0	Avg	0.7360	0.5435	0.6539	0.6300	0.7837	0.7189	0.7248	0.7641	-----	0.694	12.22	0.998	0.998	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4,4'-DDT	1	0	Qua	0.4166	0.2600	0.3207	0.3371	0.4298	0.3957	0.4305	0.4522	-----	0.380	12.32	0.996	0.998	18		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3,3'-Dichlorobenzidine	1	0	Qua	0.3813	0.2450	0.3196	0.3626	0.3653	0.3155	0.2954	0.2745	-----	0.320	12.84	0.982	0.999	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]anthracene	1	0	Avg	1.3315	1.2404	1.2731	1.2586	1.3543	1.3216	1.3005	1.3466	-----	1.30	12.87	0.999	0.999	3.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Chrysene	1	0	Avg	1.1862	1.1325	1.1277	1.0977	1.2420	1.1733	1.2347	1.1938	-----	1.17	12.91	0.999	0.999	4.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Ethylhexyl)phthal	1	0	Avg	0.9560	0.7086	0.8541	0.8535	1.0215	0.9837	1.0200	1.0070	-----	0.926	12.91	0.999	1.00	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-octylphthalate	1	0	Avg	2.0660	1.3604	1.6744	1.7481	2.1430	2.0647	2.0351	2.0864	-----	1.90	13.65	0.999	0.999	15	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[b]fluoranthene	1	0	Avg	1.4606	1.2226	1.2146	1.3125	1.4438	1.4507	1.4165	1.4388	-----	1.37	14.08	1.00	1.00	7.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[k]fluoranthene	1	0	Avg	1.3376	1.2215	1.2659	1.2409	1.3824	1.2756	1.2845	1.2727	-----	1.29	14.11	0.999	0.999	4.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]pyrene	1	0	Avg	1.3965	1.1362	1.1909	1.2421	1.3432	1.3149	1.3168	1.3238	-----	1.28	14.45	1.00	1.00	6.7	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Indeno[1,2,3-cd]pyrene	1	0	Avg	1.2897	1.0451	1.1235	1.1132	1.2581	1.2063	1.2029	1.2393	-----	1.18	15.86	0.999	0.999	7.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzo[a,h]anthracen	1	0	Avg	1.0191	0.8390	0.8970	0.8951	1.0046	0.9587	0.9702	1.0014	-----	0.948	15.88	0.999	0.999	6.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[g,h,i]perylene	1	0	Avg	1.0188	0.8930	0.9349	0.8939	1.0258	0.9680	0.9559	-----	-----	0.956	16.25	0.998	0.999	5.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0		

Flags

a - failed the spcc criteria ** - ccc compound*
b - failed the ccc criteria *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 8.48

Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

2072508 0176

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_5

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	5M76135.	CAL BNA@50PPM	07/23/12 14:19	2	5M76133.	CAL BNA@2PPM	07/23/12 13:30
3	5M76132.	CAL BNA@10PPM	07/23/12 13:06	4	5M76131.	CAL BNA@20PPM	07/23/12 12:41
5	5M76130.	CAL BNA@80PPM	07/23/12 12:16	6	5M76129.	CAL BNA@120PPM	07/23/12 11:52
7	5M76128.	CAL BNA@160PPM	07/23/12 11:28	8	5M76136.	CAL BNA@196PPM	07/23/12 14:43
9	5M76134.	CAL BNA@.5PPM	07/23/12 13:54				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
1.4-Dioxane	1	0	Avg	0.5973	0.6949	0.6261	0.5749	0.5988	0.5743	0.5607	0.5737	-----	0.600	2.64	0.999	0.999	7.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pyridine	1	0	Avg	1.5341	1.3157	1.5292	1.5005	1.6821	1.4832	1.5623	1.5606	-----	1.52	3.11	0.999	0.999	6.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitrosodimethylamin	1	0	Avg	0.8777	0.7949	0.8617	0.8451	0.9489	0.8815	0.8856	0.8843	-----	0.873	3.04	0.999	0.999	5.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorophenol	1	0	Avg	1.3691	1.3241	1.3526	1.3458	1.4951	1.4047	1.3996	1.3658	-----	1.38	4.66	0.999	0.999	3.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzaldehyde	1	0	Qua	0.7278	0.9481	1.0174	1.0202	0.6144	0.3047	0.1449	-----	-----	0.683	5.47	0.635	0.991	51		50.00	2.00	10.00	20.00	80.00	120.0	160.0		
Aniline	1	0	Avg	2.1168	1.8879	2.3790	2.2493	2.2623	2.0114	1.8999	1.8099	1.6796	2.03	5.56	0.992	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Pentachloroethane	1	0	Avg	0.4563	0.4421	0.4796	0.4745	0.4883	0.4630	0.4460	0.4387	-----	0.461	5.61	0.998	1.00	4.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethyl)ether	1	0	Avg	1.3862	1.4643	1.5180	1.4187	1.4967	1.3961	1.3657	1.3097	1.5260	1.43	5.62	0.997	0.999	5.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Phenol-d5	1	0	Avg	1.8769	1.7937	1.8889	1.8690	2.0206	1.8567	1.8129	1.7583	-----	1.86	5.53	0.997	0.999	4.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol	1	0	Avg	2.0321	2.0309	2.1243	2.0679	2.1697	2.0040	1.9151	1.8615	-----	2.03	5.54	0.996	0.999	5.0	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Chlorophenol	1	0	Avg	1.4614	1.4827	1.4797	1.4386	1.5995	1.4895	1.4449	1.3999	-----	1.47	5.67	0.997	0.999	4.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Decane	1	0	Avg	1.4812	1.5921	1.5936	1.5220	1.5069	1.4078	1.3231	1.2610	-----	1.46	5.71	0.994	1.00	8.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.3-Dichlorobenzene	1	0	Avg	1.6207	1.8114	1.7738	1.6820	1.7035	1.5849	1.5202	1.4888	-----	1.65	5.80	0.997	1.00	7.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.4-Dichlorobenzene	1	0	Avg	1.6255	1.8160	1.7780	1.6782	1.7357	1.6019	1.5596	1.5063	-----	1.66	5.86	0.997	0.999	6.5	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2-Dichlorobenzene	1	0	Avg	1.5580	1.7245	1.7148	1.5997	1.6803	1.5346	1.4821	1.4127	-----	1.59	5.99	0.996	0.999	7.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzyl alcohol	1	0	Avg	0.9831	0.9009	1.0183	1.0157	1.0806	1.0142	0.9797	0.9419	-----	0.992	5.96	0.997	0.999	5.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-chloroisopropyl)et	1	0	Avg	1.8056	1.9503	1.8996	1.8199	1.8333	1.7376	1.6517	1.5798	-----	1.78	6.07	0.996	1.00	6.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylphenol	1	0	Avg	1.3635	1.3325	1.4398	1.3735	1.4828	1.3693	1.3388	1.2967	1.3020	1.37	6.06	0.997	0.999	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Acetophenone	1	0	Avg	1.8725	2.0585	2.1180	2.0081	1.9667	1.7423	1.6188	1.4860	-----	1.86	6.18	0.985	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachloroethane	1	0	Avg	0.5664	0.5876	0.5865	0.5750	0.6033	0.5711	0.5563	0.5354	-----	0.573	6.27	0.999	0.999	3.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitroso-di-n-propylan	1	0	Avg	0.9463	0.9988	1.0327	1.0068	0.9929	0.8764	0.8171	0.7594	0.9189	0.928	6.17	0.987	0.999	10	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
3&4-Methylphenol	1	0	Avg	1.3578	1.4080	1.5012	1.4349	1.4413	1.2520	1.1800	1.0702	1.2806	1.33	6.17	0.984	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Nitrobenzene-d5	1	0	Avg	0.1770	0.1562	0.1715	0.1687	0.2035	0.1907	0.1848	0.1865	-----	0.180	6.30	0.998	0.998	8.2		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
Nitrobenzene	1	0	Avg	0.3700	0.3383	0.3859	0.3724	0.4017	0.3746	0.3706	0.3658	-----	0.372	6.32	0.999	0.999	4.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Isophorone	1	0	Avg	0.6882	0.6138	0.7105	0.6991	0.7603	0.6925	0.6788	0.6660	-----	0.689	6.50	0.997	0.999	6.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitrophenol	1	0	Avg	0.1880	0.1375	0.1723	0.1860	0.2183	0.2036	0.2006	0.2002	-----	0.188	6.57	0.998	0.998	13	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dimethylphenol	1	0	Avg	0.3689	0.3551	0.3966	0.3836	0.4041	0.3718	0.3601	0.3580	-----	0.375	6.60	0.998	0.999	4.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzoic Acid	1	0	Qua	0.2279	-----	0.1313	0.1910	0.3076	0.3004	0.3045	0.3065	-----	0.253	6.68	0.996	0.997	28		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethoxy)met	1	0	Avg	0.4392	0.4740	0.4711	0.4574	0.4742	0.4352	0.4256	0.4162	-----	0.449	6.67	0.998	0.999	5.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dichlorophenol	1	0	Avg	0.3248	0.2748	0.3423	0.3307	0.3601	0.3228	0.3216	0.3137	0.2522	0.316	6.76	0.997	0.999	10	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
1.2.4-Trichlorobenzene	1	0	Avg	0.3859	0.4274	0.4150	0.3986	0.4150	0.3778	0.3682	0.3503	-----	0.392	6.82	0.995	0.999	6.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Naphthalene	1	0	Avg	1.1155	1.2743	1.2223	1.1916	1.2001	1.0794	1.0255	0.9989	1.3038	1.16	6.89	0.995	0.999	9.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
4-Chloroaniline	1	0	Qua	0.4434	0.3682	0.4913	0.4879	0.4799	0.3968	0.3470	0.3418	0.3406	0.411	6.93	0.978	0.995	16		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Hexachlorobutadiene	1	0	Avg	0.2111	0.2243	0.2273	0.2140	0.2268	0.2067	0.1975	0.1973	-----	0.213	6.99	0.997	0.999	5.8	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Caprolactam	1	0	Avg	0.1239	0.0827	0.1192	0.1220	0.1413	0.1259	0.1220	0.1137	-----	0.119	7.20	0.994	0.998	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chloro-3-methylphen	1	0	Avg	0.3182	0.2744	0.3212	0.3322	0.3623	0.3249	0.3143	0.3153	-----	0.320	7.30	0.997	0.998	7.6	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylnaphthalene	1	0	Avg	0.7709	0.8044	0.8124	0.8018	0.8207	0.7284	0.6875	0.6820	-----	0.764	7.44	0.994	0.998	7.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Methylnaphthalenes (T	1	0	Avg	0.7709	0.8044	0.8124	0.8018	0.8207	0.7284	0.6875	0.6820	-----	0.764	7.44	0.994	0.998	7.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.1'-Biphenyl	1	0	Avg	0.9670	1.0182	1.0553	0.9927	1.0264	0.9006	0.8650	0.8356	-----	0.958	7.82	0.993	0.999	8.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2.4.5-Tetrachloroben	1	0	Avg	0.6226	0.6823	0.6659	0.6427	0.6328	0.5928	0.5635	0.5519	-----	0.619	7.57	0.997	1.00	7.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorocyclopentac	1	0	Avg	0.3104	0.2622	0.3027	0.3117	0.3563	0.3490	0.3429	0.3408	-----	0.322	7.56	0.999	0.999	9.7	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags
a - failed the spcc criteria — ** - ccc compound*
b - failed the ccc criteria — *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 9.15
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_5

Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	5M76135.	CAL BNA@50PPM	07/23/12 14:19
3	5M76132.	CAL BNA@10PPM	07/23/12 13:06
5	5M76130.	CAL BNA@80PPM	07/23/12 12:16
7	5M76128.	CAL BNA@160PPM	07/23/12 11:28
9	5M76134.	CAL BNA@.5PPM	07/23/12 13:54

Level #:	Data File:	Cal Identifier:	Analysis Date/Time
2	5M76133.	CAL BNA@2PPM	07/23/12 13:30
4	5M76131.	CAL BNA@20PPM	07/23/12 12:41
6	5M76129.	CAL BNA@120PPM	07/23/12 11:52
8	5M76136.	CAL BNA@196PPM	07/23/12 14:43

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
2.4.6-Trichlorophenol	1	0	Avg	0.4092	0.3146	0.4020	0.4175	0.4385	0.4213	0.4115	0.4063	-----	0.403	7.66	0.999	1.00	9.3	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4.5-Trichlorophenol	1	0	Avg	0.4309	0.3542	0.4356	0.4501	0.4719	0.4562	0.4459	0.4337	-----	0.435	7.70	0.998	0.999	8.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorobiphenyl	1	0	Avg	1.5313	1.5318	1.6078	1.5794	1.5714	1.5279	1.5009	1.4955	-----	1.54	7.73	1.00	1.00	2.6		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
2-Chloronaphthalene	1	0	Avg	1.2040	1.3168	1.2832	1.2621	1.2499	1.1889	1.1547	1.1252	-----	1.22	7.84	0.998	1.00	5.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,4-Dimethylnaphthalei	1	0	Avg	0.9653	1.0409	1.0338	1.0303	0.9669	0.9077	0.8329	0.7982	-----	0.947	8.13	0.992	1.00	9.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylnaphthalenes	1	0	Avg	0.9653	1.0409	1.0338	1.0303	0.9669	0.9077	0.8329	0.7982	-----	0.947	8.13	0.992	1.00	9.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diphenyl Ether	1	0	Avg	0.8653	0.8942	0.8880	0.8843	0.8669	0.8285	0.7942	0.7686	-----	0.849	7.90	0.997	1.00	5.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitroaniline	1	0	Avg	0.3655	0.2724	0.3518	0.3695	0.3917	0.3759	0.3711	0.3605	-----	0.357	7.92	0.999	1.00	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Coumarin	1	0	Avg	0.5019	0.4930	0.5294	0.5316	0.5272	0.4880	0.4530	0.4232	-----	0.493	8.11	0.990	0.999	7.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthylene	1	0	Avg	1.9356	1.8532	1.9957	1.9659	2.0050	1.8482	1.7684	1.7473	-----	1.89	8.20	0.997	1.00	5.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylphthalate	1	0	Avg	1.4072	1.4076	1.4937	1.4794	1.4724	1.3908	1.3322	1.3186	-----	1.41	8.06	0.998	1.00	4.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,6-Dinitrotoluene	1	0	Avg	0.2998	0.2064	0.2997	0.3236	0.3145	0.2881	0.2620	0.2496	-----	0.280	8.12	0.989	0.999	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthene	1	0	Avg	1.2162	1.3042	1.2949	1.2804	1.2451	1.1747	1.1143	1.0882	-----	1.21	8.36	0.997	1.00	6.8	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3-Nitroaniline	1	0	Avg	0.3568	0.2447	0.3458	0.3815	0.3800	0.3304	0.3054	0.2921	-----	0.330	8.27	0.987	0.998	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4-Dinitrophenol	1	0	Qua	0.1292	-----	0.0852	0.1136	0.1746	0.1724	0.1731	0.1755	-----	0.146	8.37	0.996	0.996	25	**(0.050)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzofuran	1	0	Avg	1.7365	1.9303	1.8737	1.8066	1.8510	1.6826	1.6030	1.5815	2.0525	1.79	8.52	0.996	0.999	8.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
2,4-Dinitrotoluene	1	0	Qua	0.3932	0.2251	0.3527	0.3856	0.4419	0.4267	0.4140	0.3997	-----	0.380	8.49	0.998	0.999	18		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitrophenol	1	0	Qua	0.2251	0.1351	0.2021	0.2270	0.2551	0.2381	0.2352	0.2292	-----	0.218	8.41	0.998	0.999	17	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,3,4,6-Tetrachlorophe	1	0	Avg	0.3921	0.2915	0.3847	0.4063	0.4191	0.4004	0.3760	0.3676	-----	0.380	8.63	0.997	0.999	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluorene	1	0	Avg	1.4409	1.5060	1.5607	1.5430	1.4957	1.3736	1.2815	1.2370	-----	1.43	8.84	0.993	0.999	8.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chlorophenyl-phenyl	1	0	Avg	0.6975	0.7269	0.7601	0.7464	0.7418	0.6899	0.6366	0.6410	-----	0.705	8.83	0.996	0.998	6.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diethylphthalate	1	0	Avg	1.3743	1.3138	1.3833	1.4100	1.4557	1.3792	1.3480	1.3095	-----	1.37	8.71	0.998	1.00	3.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitroaniline	1	0	Avg	0.3726	0.2572	0.3499	0.3826	0.4079	0.3749	0.3633	0.3542	-----	0.358	8.84	0.997	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Atrazine	1	0	Avg	0.3542	0.2926	0.3624	0.3858	0.4014	0.3640	0.3500	0.3335	-----	0.356	9.47	0.994	0.999	9.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4,6-Dinitro-2-methylphe	1	0	Qua	0.1071	0.0372	0.0773	0.0906	0.1354	0.1319	0.1307	0.1331	-----	0.105	8.87	0.995	0.996	33		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
n-Nitrosodiphenylamine	1	0	Avg	0.6260	0.6329	0.7081	0.6750	0.6688	0.6412	0.6096	0.5987	-----	0.645	8.94	0.998	0.999	5.7	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4,6-Tribromophenol	1	0	Avg	0.1135	0.0760	0.1134	0.1160	0.1252	0.1192	0.1144	0.1120	-----	0.111	9.07	0.998	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,2-Diphenylhydrazine	1	0	Avg	0.6793	0.6742	0.7497	0.7160	0.7347	0.7080	0.6689	0.6683	-----	0.700	8.99	0.998	0.999	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Bromophenyl-phenyl	1	0	Avg	0.2242	0.2319	0.2488	0.2366	0.2446	0.2333	0.2190	0.2166	-----	0.232	9.32	0.997	0.999	5.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobenzene	1	0	Avg	0.2388	0.2776	0.2673	0.2496	0.2551	0.2377	0.2222	0.2230	-----	0.246	9.39	0.997	0.999	8.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Octadecane	1	0	Avg	0.4203	0.3387	0.4458	0.4274	0.4369	0.4190	0.3873	0.3763	-----	0.407	9.66	0.995	0.999	8.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachlorophenol	1	0	Avg	0.1602	-----	0.1327	0.1503	0.1891	0.1803	0.1737	0.1725	-----	0.166	9.59	0.997	0.998	12	*(30)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Phenanthrene	1	0	Avg	1.1119	1.2603	1.2632	1.1763	1.1733	1.1042	1.0133	1.0119	-----	1.14	9.83	0.995	0.999	8.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Anthracene	1	0	Avg	1.1162	1.1332	1.2396	1.1803	1.1846	1.1304	1.0635	1.0445	-----	1.14	9.88	0.997	0.999	5.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Carbazole	1	0	Avg	1.0444	1.0175	1.1315	1.1054	1.1083	1.0260	0.9646	0.9616	-----	1.04	10.05	0.996	0.999	6.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-butylphthalate	1	0	Qua	1.2053	0.8715	1.2126	1.2463	1.3263	1.2324	1.1792	1.1531	0.7474	1.13	10.43	0.998	0.999	17		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Fluoranthene	1	0	Avg	1.2578	1.1173	1.2975	1.3313	1.3535	1.1988	1.1355	1.1096	-----	1.23	11.16	0.993	0.999	8.0	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pyrene	1	0	Avg	1.2663	1.2034	1.3716	1.3166	1.3618	1.3341	1.2851	1.3219	-----	1.31	11.42	0.999	0.999	4.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzidine	1	0	Qua	0.4207	0.2539	0.4769	0.5073	0.4443	0.3627	0.3487	0.3548	-----	0.396	11.31	0.985	0.996	21		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Terphenyl-d14	1	0	Avg	0.9339	0.8841	0.9313	0.8764	0.9913	0.9846	0.9782	1.0139	-----	0.949	11.60	0.999	1.00	5.4		25.00	1.00	5.00	10.00	40.00	60.00	80.00	96.00	
4,4'-DDE	1	0	Avg	0.2785	0.2630	0.2857	0.2760	0.2902	0.3013	0.2891	0.2932	-----	0.285	11.54	0.999	0.999	4.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags
a - failed the spcc criteria — ** - ccc compound*
b - failed the ccc criteria — *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 9.15
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

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Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_5

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	5M76135.	CAL BNA@50PPM	07/23/12 14:19	2	5M76133.	CAL BNA@2PPM	07/23/12 13:30
3	5M76132.	CAL BNA@10PPM	07/23/12 13:06	4	5M76131.	CAL BNA@20PPM	07/23/12 12:41
5	5M76130.	CAL BNA@80PPM	07/23/12 12:16	6	5M76129.	CAL BNA@120PPM	07/23/12 11:52
7	5M76128.	CAL BNA@160PPM	07/23/12 11:28	8	5M76136.	CAL BNA@196PPM	07/23/12 14:43
9	5M76134.	CAL BNA@.5PPM	07/23/12 13:54				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
4,4'-DDD	1	0	Avg	0.4398	0.3206	0.4298	0.4397	0.4814	0.4899	0.4764	0.4771	-----	0.444	11.94	0.999	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Butylbenzylphthalate	1	0	Qua	0.5074	0.2875	0.4363	0.4700	0.5725	0.5736	0.5523	0.5625	-----	0.495	12.19	0.998	0.999	20		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4,4'-DDT	1	0	Avg	0.3767	0.2485	0.3545	0.3657	0.4003	0.4001	0.3917	0.3846	-----	0.365	12.30	0.999	1.00	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3,3'-Dichlorobenzidine	1	0	Qua	0.3247	0.2025	0.3337	0.3578	0.3612	0.3261	0.3107	0.3227	-----	0.317	12.82	0.997	0.997	16		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]anthracene	1	0	Avg	1.1615	1.1184	1.2094	1.1777	1.2368	1.2134	1.1528	1.1610	-----	1.18	12.85	0.999	0.999	3.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Chrysene	1	0	Avg	1.0435	1.1504	1.1403	1.1227	1.0500	0.9939	0.9448	0.9401	-----	1.05	12.89	0.998	1.00	8.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Ethylhexyl)phthal	1	0	Qua	0.7072	0.4248	0.6594	0.6817	0.7310	0.7585	0.7234	0.7183	-----	0.676	12.89	0.999	0.999	16		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-octylphthalate	1	0	Qua	1.2596	0.5255	0.9550	1.1024	1.4578	1.4372	1.4556	1.3775	-----	1.20	13.68	0.997	0.997	27	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[b]fluoranthene	1	0	Avg	1.2323	1.0631	1.1649	1.1810	1.2832	1.2377	1.1815	1.1999	-----	1.19	14.13	0.999	0.999	5.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[k]fluoranthene	1	0	Avg	1.2089	1.0866	1.2502	1.2277	1.2526	1.1235	1.1417	1.0363	-----	1.17	14.16	0.993	0.998	6.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]pyrene	1	0	Avg	1.0690	0.8993	1.0627	1.0777	1.1801	1.1090	1.0902	1.0906	-----	1.07	14.50	0.999	0.999	7.4	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Indeno[1,2,3-cd]pyrene	1	0	Avg	1.0688	0.9631	1.1450	1.0401	1.1468	1.2262	1.2065	1.2402	-----	1.13	15.94	0.999	0.999	8.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzo[a,h]anthracene	1	0	Avg	0.8763	0.8038	0.9570	0.8526	0.9215	1.0131	0.9947	1.0310	-----	0.931	15.97	0.998	0.999	8.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[g,h,i]perylene	1	0	Avg	0.9683	0.8808	1.0160	0.9658	1.0176	1.0547	1.0538	1.0739	-----	1.00	16.34	0.999	1.00	6.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags
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b - failed the ccc criteria *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 9.15
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

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Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 10M31615.D **Instrument:** GCMS 10

Cont Calibration Date/Time 7/11/2012 7:44:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,4-Dichlorobenzene-d4	1	0	I	5.47	40.00	40				0.000	0.00	
1,4-Dioxane	1	0		2.13	48.42				0.632			
Pyridine	1	0		2.52	50.16	50			1.611	1.616	0.33	
N-Nitrosodimethylamine	1	0		2.47	51.07	50			0.956	0.976	2.15	
2-Fluorophenol	1	0	S	4.24	50.63	50			1.383	1.400	1.25	
Benzaldehyde	1	0		5.09	61.68	50			0.699	0.942	23.36	
Aniline	1	0		5.18	57.91	50			2.053	2.378	15.81	
Pentachloroethane	1	0		5.21	49.59	50			0.506	0.502	0.83	
bis(2-Chloroethyl)ether	1	0		5.25	51.67	50			1.533	1.584	3.35	
Phenol-d5	1	0	S	5.17	53.60	50			1.900	2.037	7.20	
Phenol	1	0	CC	5.18	52.77	50	20		2.132	2.250	5.53	
2-Chlorophenol	1	0		5.28	52.74	50			1.535	1.619	5.48	
N-Decane	1	0		5.32	48.06	50			1.763	1.695	3.88	
1,3-Dichlorobenzene	1	0		5.41	49.17	50			1.630	1.603	1.66	
1,4-Dichlorobenzene	1	0	CC	5.48	49.49	50	20		1.651	1.634	1.02	
1,2-Dichlorobenzene	1	0		5.60	50.80	50			1.542	1.567	1.60	
Benzyl alcohol	1	0		5.59	55.60	50			0.972	1.081	11.19	
bis(2-chloroisopropyl)ether	1	0		5.70	53.35	50			2.485	2.652	6.70	
2-Methylphenol	1	0		5.69	53.88	50			1.447	1.560	7.77	
Acetophenone	1	0		5.81	54.79	50			2.034	2.229	9.59	
Hexachloroethane	1	0		5.87	49.83	50			0.661	0.658	0.35	
N-Nitroso-di-n-propylamine	1	0	CP	5.81	56.37	50	0.05		1.129	1.273	12.74	
3&4-Methylphenol	1	0		5.82	56.71	50			1.444	1.638	13.42	
Naphthalene-d8	1	0	I	6.48	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	5.93	25.24	25			0.177	0.179	0.97	
Nitrobenzene	1	0		5.94	49.24	50			0.421	0.415	1.52	
Isophorone	1	0		6.13	50.62	50			0.752	0.761	1.23	
2-Nitrophenol	1	0	CC	6.19	51.62	50	20		0.213	0.220	3.24	
2,4-Dimethylphenol	1	0		6.23	50.39	50			0.398	0.401	0.77	
Benzoic Acid	1	0		6.32	26.51	50			0.248	0.126	46.99	
bis(2-Chloroethoxy)methane	1	0		6.30	50.49	50			0.459	0.464	0.98	
2,4-Dichlorophenol	1	0	CC	6.38	54.27	50	20		0.298	0.324	8.54	
1,2,4-Trichlorobenzene	1	0		6.43	48.84	50			0.329	0.322	2.31	
Naphthalene	1	0		6.50	49.09	50			1.115	1.095	1.82	
4-Chloroaniline	1	0		6.54	51.37	50			0.388	0.486	2.74	
Hexachlorobutadiene	1	0	CC	6.58	48.11	50	20		0.166	0.160	3.78	
Caprolactam	1	0		6.82	55.14	50			0.132	0.145	10.27	
4-Chloro-3-methylphenol	1	0	CC	6.91	52.43	50	20		0.349	0.366	4.85	
2-Methylnaphthalene	1	0		7.01	51.65	50			0.745	0.770	3.30	
Methylnaphthalenes	1	0		7.01	51.53	50	20			0.768	3.05	
1,1'-Biphenyl	1	0		7.37	50.68	50			0.887	0.899	1.36	
Acenaphthene-d10	1	0	I	7.86	40.00	40				0.000	0.00	
1,2,4,5-Tetrachlorobenzene	1	0		7.14	49.05	50			0.530	0.520	1.91	
Hexachlorocyclopentadiene	1	0	CP	7.12	42.92	50	0.05		0.179	0.161	14.15	
2,4,6-Trichlorophenol	1	0	CC	7.24	50.43	50	20		0.366	0.369	0.86	
2,4,5-Trichlorophenol	1	0		7.27	50.93	50			0.394	0.401	1.86	
2-Fluorobiphenyl	1	0	S	7.29	25.23	25			1.417	1.430	0.94	
2-Chloronaphthalene	1	0		7.40	49.25	50			1.193	1.175	1.50	
1,4-Dimethylnaphthalene	1	0		7.66	49.13	50			0.931	0.915	1.74	
Dimethylnaphthalenes	1	0		7.66	49.13	50	20			0.915	1.74	
Diphenyl Ether	1	0		7.46	50.03	50			0.808	0.808	0.05	
2-Nitroaniline	1	0		7.49	52.27	50			0.503	0.525	4.54	
Coumarin	1	0		7.66	51.70				0.479			
Acenaphthylene	1	0		7.74	50.62	50			1.932	1.956	1.24	
Dimethylphthalate	1	0		7.63	50.63	50			1.429	1.447	1.26	
2,6-Dinitrotoluene	1	0		7.69	53.14	50			0.316	0.336	6.27	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 10M31615.D **Instrument:** GCMS 10

Cont Calibration Date/Time 7/11/2012 7:44:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Acenaphthene	1	0	CC	7.89	50.18	50	20		1.273	1.277	0.36	
3-Nitroaniline	1	0		7.83	57.83	50			0.369	0.427	15.67	
2,4-Dinitrophenol	1	0	CP	7.93	52.46	50	0.05		0.167	0.188	4.91	
Dibenzofuran	1	0		8.04	49.30	50			1.726	1.702	1.40	
2,4-Dinitrotoluene	1	0		8.03	52.80	50			0.427	0.451	5.61	
4-Nitrophenol	1	0	CP	7.98	49.83	50	0.05		0.278	0.277	0.34	
2,3,4,6-Tetrachlorophenol	1	0		8.15	51.10	50			0.304	0.310	2.21	
Fluorene	1	0		8.35	51.36	50			1.437	1.476	2.72	
4-Chlorophenyl-phenylether	1	0		8.34	50.83	50			0.631	0.642	1.66	
Diethylphthalate	1	0		8.23	50.70	50			1.503	1.524	1.40	
4-Nitroaniline	1	0		8.39	54.78	50			0.406	0.445	9.55	
Atrazine	1	0		8.98	52.37	50			0.351	0.368	4.75	
Phenanthrene-d10	1	0	I	9.28	40.00	40				0.000	0.00	
4,6-Dinitro-2-methylphenol	1	0		8.41	52.86	50			0.120	0.138	5.73	
n-Nitrosodiphenylamine	1	0	CC	8.46	48.41	50	20		0.693	0.671	3.17	
2,4,6-Tribromophenol	1	0	S	8.58	49.55	50			0.081	0.080	0.91	
1,2-Diphenylhydrazine	1	0		8.49	48.31	50			1.015	0.981	3.38	
4-Bromophenyl-phenylether	1	0		8.81	50.29	50			0.194	0.195	0.57	
Hexachlorobenzene	1	0		8.87	48.84	50			0.195	0.191	2.31	
N-Octadecane	1	0		9.14	50.01	50			0.589	0.589	0.01	
Pentachlorophenol	1	0	CC	9.08	46.25	50	20		0.109	0.101	7.50	
Phenanthrene	1	0		9.31	49.49	50			1.147	1.135	1.02	
Anthracene	1	0		9.36	49.79	50			1.177	1.172	0.42	
Carbazole	1	0		9.54	50.93	50			1.155	1.176	1.85	
Di-n-butylphthalate	1	0		9.91	51.16	50			1.412	1.445	2.32	
Fluoranthene	1	0	CC	10.62	52.03	50	20		1.238	1.288	4.07	
Chrysene-d12	1	0	I	12.31	40.00	40				0.000	0.00	
Pyrene	1	0		10.88	47.75	50			1.406	1.343	4.51	
Benzidine	1	0		10.79	53.70	50			0.408	0.558	7.39	
Terphenyl-d14	1	0	S	11.06	23.97	25			0.852	0.817	4.13	
4,4'-DDE	1	0		11.00	47.30				0.276			
4,4'-DDD	1	0		11.40	48.98				0.469			
Butylbenzylphthalate	1	0		11.65	48.58	50			0.705	0.685	2.84	
4,4'-DDT	1	0		11.74	48.61				0.420			
3,3'-Dichlorobenzidine	1	0		12.27	56.07	50			0.305	0.388	12.15	
Benzo[a]anthracene	1	0		12.30	49.14	50			1.161	1.141	1.72	
Chrysene	1	0		12.34	49.06	50			1.069	1.048	1.89	
bis(2-Ethylhexyl)phthalate	1	0		12.34	48.20	50			0.942	0.908	3.59	
Perylene-d12	1	0	I	13.90	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	13.09	45.78	50	20		1.926	1.763	8.43	
Benzo[b]fluoranthene	1	0		13.50	48.49	50			1.273	1.234	3.02	
Benzo[k]fluoranthene	1	0		13.54	48.40	50			1.222	1.183	3.20	
Benzo[a]pyrene	1	0	CC	13.85	50.41	50	20		1.173	1.182	0.82	
Indeno[1,2,3-cd]pyrene	1	0		15.06	49.77	50			1.098	1.093	0.47	
Dibenzo[a,h]anthracene	1	0		15.08	50.67	50			0.876	0.888	1.34	
Benzo[g,h,i]perylene	1	0		15.39	45.88	50			0.973	0.893	8.24	
2,2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
2,4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			0.931	0.000	100.00	
Endrin	1	100		0.00	0.00	50				0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.745	0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 10M31615.D **Instrument:** GCMS 10

Cont Calibration Date/Time 7/11/2012 7:44:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 10M31639.D **Instrument:** GCMS 10

Cont Calibration Date/Time 7/12/2012 9:26:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,4-Dichlorobenzene-d4	1	0	I	5.46	40.00	40				0.000	0.00	
1,4-Dioxane	1	0		2.12	42.74				0.632			
Pyridine	1	0		2.52	51.11	50			1.611	1.647	2.21	
N-Nitrosodimethylamine	1	0		2.46	51.51	50			0.956	0.984	3.02	
2-Fluorophenol	1	0	S	4.24	50.01	50			1.383	1.383	0.03	
Benzaldehyde	1	0		5.09	65.79	50			0.699	0.976	31.57	
Aniline	1	0		5.18	59.06	50			2.053	2.425	18.12	
Pentachloroethane	1	0		5.21	48.95	50			0.506	0.496	2.11	
bis(2-Chloroethyl)ether	1	0		5.25	53.09	50			1.533	1.628	6.17	
Phenol-d5	1	0	S	5.17	54.39	50			1.900	2.067	8.78	
Phenol	1	0	CC	5.18	54.31	50	20		2.132	2.316	8.61	
2-Chlorophenol	1	0		5.28	52.74	50			1.535	1.619	5.48	
N-Decane	1	0		5.32	46.28	50			1.763	1.632	7.45	
1,3-Dichlorobenzene	1	0		5.41	48.91	50			1.630	1.595	2.19	
1,4-Dichlorobenzene	1	0	CC	5.48	49.57	50	20		1.651	1.637	0.86	
1,2-Dichlorobenzene	1	0		5.60	51.21	50			1.542	1.579	2.42	
Benzyl alcohol	1	0		5.59	56.14	50			0.972	1.091	12.28	
bis(2-chloroisopropyl)ether	1	0		5.70	54.18	50			2.485	2.693	8.36	
2-Methylphenol	1	0		5.69	54.95	50			1.447	1.590	9.90	
Acetophenone	1	0		5.80	55.74	50			2.034	2.267	11.48	
Hexachloroethane	1	0		5.87	48.44	50			0.661	0.640	3.12	
N-Nitroso-di-n-propylamine	1	0	CP	5.80	57.84	50	0.05		1.129	1.306	15.69	
3&4-Methylphenol	1	0		5.81	59.25	50			1.444	1.711	18.50	
Naphthalene-d8	1	0	I	6.48	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	5.93	24.82	25			0.177	0.176	0.73	
Nitrobenzene	1	0		5.94	48.18	50			0.421	0.406	3.63	
Isophorone	1	0		6.12	50.82	50			0.752	0.764	1.64	
2-Nitrophenol	1	0	CC	6.19	50.48	50	20		0.213	0.215	0.96	
2,4-Dimethylphenol	1	0		6.22	49.83	50			0.398	0.397	0.34	
Benzoic Acid	1	0		6.32	39.53	50			0.248	0.193	20.94	
bis(2-Chloroethoxy)methane	1	0		6.29	49.64	50			0.459	0.456	0.72	
2,4-Dichlorophenol	1	0	CC	6.37	52.52	50	20		0.298	0.313	5.04	
1,2,4-Trichlorobenzene	1	0		6.43	48.24	50			0.329	0.318	3.51	
Naphthalene	1	0		6.49	48.55	50			1.115	1.083	2.91	
4-Chloroaniline	1	0		6.54	51.79	50			0.388	0.489	3.59	
Hexachlorobutadiene	1	0	CC	6.57	47.38	50	20		0.166	0.157	5.25	
Caprolactam	1	0		6.81	57.24	50			0.132	0.151	14.49	
4-Chloro-3-methylphenol	1	0	CC	6.90	53.63	50	20		0.349	0.374	7.25	
2-Methylnaphthalene	1	0		7.01	50.73	50			0.745	0.756	1.46	
Methylnaphthalenes	1	0		7.01	50.77	50	20			0.757	1.53	
1,1'-Biphenyl	1	0		7.37	51.58	50			0.887	0.916	3.17	
Acenaphthene-d10	1	0	I	7.85	40.00	40				0.000	0.00	
1,2,4,5-Tetrachlorobenzene	1	0		7.13	46.74	50			0.530	0.496	6.51	
Hexachlorocyclopentadiene	1	0	CP	7.12	38.15	50	0.05		0.179	0.142	23.71	
2,4,6-Trichlorophenol	1	0	CC	7.23	49.51	50	20		0.366	0.362	0.97	
2,4,5-Trichlorophenol	1	0		7.26	49.04	50			0.394	0.386	1.92	
2-Fluorobiphenyl	1	0	S	7.29	24.09	25			1.417	1.365	3.66	
2-Chloronaphthalene	1	0		7.39	48.08	50			1.193	1.147	3.85	
1,4-Dimethylnaphthalene	1	0		7.66	48.44	50			0.931	0.902	3.12	
Dimethylnaphthalenes	1	0		7.66	48.44	50	20			0.902	3.12	
Diphenyl Ether	1	0		7.45	48.60	50			0.808	0.785	2.81	
2-Nitroaniline	1	0		7.48	50.95	50			0.503	0.512	1.89	
Coumarin	1	0		7.66	51.66				0.479			
Acenaphthylene	1	0		7.73	48.74	50			1.932	1.884	2.52	
Dimethylphthalate	1	0		7.62	50.37	50			1.429	1.440	0.73	
2,6-Dinitrotoluene	1	0		7.68	52.80	50			0.316	0.334	5.60	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 10M31639.D **Instrument:** GCMS 10

Cont Calibration Date/Time 7/12/2012 9:26:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Acenaphthene	1	0	CC	7.88	48.41	50	20		1.273	1.232	3.18	
3-Nitroaniline	1	0		7.82	58.80	50			0.369	0.434	17.60	
2,4-Dinitrophenol	1	0	CP	7.93	53.21	50	0.05		0.167	0.190	6.42	
Dibenzofuran	1	0		8.03	48.53	50			1.726	1.675	2.94	
2,4-Dinitrotoluene	1	0		8.03	52.83	50			0.427	0.451	5.67	
4-Nitrophenol	1	0	CP	7.97	50.69	50	0.05		0.278	0.282	1.37	
2,3,4,6-Tetrachlorophenol	1	0		8.15	51.64	50			0.304	0.314	3.27	
Fluorene	1	0		8.34	50.11	50			1.437	1.440	0.21	
4-Chlorophenyl-phenylether	1	0		8.34	49.75	50			0.631	0.628	0.50	
Diethylphthalate	1	0		8.23	50.09	50			1.503	1.506	0.18	
4-Nitroaniline	1	0		8.38	55.41	50			0.406	0.450	10.83	
Atrazine	1	0		8.97	51.50	50			0.351	0.362	2.99	
Phenanthrene-d10	1	0	I	9.27	40.00	40				0.000	0.00	
4,6-Dinitro-2-methylphenol	1	0		8.40	52.59	50			0.120	0.137	5.17	
n-Nitrosodiphenylamine	1	0	CC	8.45	48.55	50	20		0.693	0.673	2.89	
2,4,6-Tribromophenol	1	0	S	8.57	48.23	50			0.081	0.078	3.55	
1,2-Diphenylhydrazine	1	0		8.49	47.78	50			1.015	0.970	4.44	
4-Bromophenyl-phenylether	1	0		8.81	48.92	50			0.194	0.190	2.17	
Hexachlorobenzene	1	0		8.87	48.09	50			0.195	0.188	3.83	
N-Octadecane	1	0		9.13	48.52	50			0.589	0.572	2.95	
Pentachlorophenol	1	0	CC	9.08	46.35	50	20		0.109	0.101	7.31	
Phenanthrene	1	0		9.30	48.53	50			1.147	1.113	2.93	
Anthracene	1	0		9.35	49.43	50			1.177	1.163	1.14	
Carbazole	1	0		9.53	51.06	50			1.155	1.180	2.12	
Di-n-butylphthalate	1	0		9.90	52.15	50			1.412	1.473	4.30	
Fluoranthene	1	0	CC	10.61	52.32	50	20		1.238	1.296	4.65	
Chrysene-d12	1	0	I	12.30	40.00	40				0.000	0.00	
Pyrene	1	0		10.87	46.65	50			1.406	1.312	6.71	
Benzidine	1	0		10.78	56.43	50			0.408	0.580	12.87	
Terphenyl-d14	1	0	S	11.06	23.12	25			0.852	0.788	7.51	
4,4'-DDE	1	0		10.99	44.38				0.276			
4,4'-DDD	1	0		11.39	46.43				0.469			
Butylbenzylphthalate	1	0		11.65	47.70	50			0.705	0.673	4.60	
4,4'-DDT	1	0		11.74	46.67				0.420			
3,3'-Dichlorobenzidine	1	0		12.27	56.49	50			0.305	0.390	12.99	
Benzo[a]anthracene	1	0		12.28	48.90	50			1.161	1.135	2.20	
Chrysene	1	0		12.33	48.23	50			1.069	1.031	3.54	
bis(2-Ethylhexyl)phthalate	1	0		12.34	47.30	50			0.942	0.891	5.41	
Perylene-d12	1	0	I	13.89	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	13.09	44.67	50	20		1.926	1.720	10.66	
Benzo[b]fluoranthene	1	0		13.50	44.58	50			1.273	1.135	10.85	
Benzo[k]fluoranthene	1	0		13.53	45.47	50			1.222	1.111	9.06	
Benzo[a]pyrene	1	0	CC	13.84	48.65	50	20		1.173	1.141	2.71	
Indeno[1,2,3-cd]pyrene	1	0		15.05	55.87	50			1.098	1.227	11.75	
Dibenzo[a,h]anthracene	1	0		15.07	57.88	50			0.876	1.014	15.77	
Benzo[g,h,i]perylene	1	0		15.38	56.01	50			0.973	1.090	12.02	
2,2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
2,4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			0.931	0.000	100.00	
Endrin	1	100		0.00	0.00	50				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 10M31639.D **Instrument:** GCMS 10

Cont Calibration Date/Time 7/12/2012 9:26:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.745	0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 5M76204.D **Instrument:** GCMS 5

Cont Calibration Date/Time 7/27/2012 9:06:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,4-Dichlorobenzene-d4	1	0	I	5.85	40.00	40				0.000	0.00	
1,4-Dioxane	1	0		2.64	49.59				0.600			
Pyridine	1	0		3.12	50.79	50			1.521	1.545	1.59	
N-Nitrosodimethylamine	1	0		3.04	47.81	50			0.873	0.834	4.37	
2-Fluorophenol	1	0	S	4.66	48.62	50			1.382	1.344	2.75	
Benzaldehyde	1	0		5.47	43.98	50			0.683	0.700	12.04	
Aniline	1	0		5.57	50.97	50			2.033	2.072	1.93	
Pentachloroethane	1	0		5.61	49.52	50			0.461	0.457	0.97	
bis(2-Chloroethyl)ether	1	0		5.63	47.57	50			1.431	1.362	4.86	
Phenol-d5	1	0	S	5.53	47.79	50			1.860	1.778	4.41	
Phenol	1	0	CC	5.55	48.57	50	20		2.026	1.968	2.86	
2-Chlorophenol	1	0		5.67	47.91	50			1.475	1.413	4.18	
N-Decane	1	0		5.72	50.27	50			1.461	1.469	0.53	
1,3-Dichlorobenzene	1	0		5.80	48.14	50			1.648	1.587	3.71	
1,4-Dichlorobenzene	1	0	CC	5.87	49.46	50	20		1.663	1.645	1.07	
1,2-Dichlorobenzene	1	0		6.00	48.43	50			1.588	1.539	3.13	
Benzyl alcohol	1	0		5.96	47.29	50			0.992	0.938	5.42	
bis(2-chloroisopropyl)ether	1	0		6.08	47.64	50			1.785	1.700	4.73	
2-Methylphenol	1	0		6.06	48.14	50			1.367	1.316	3.72	
Acetophenone	1	0		6.18	50.29	50			1.859	1.870	0.59	
Hexachloroethane	1	0		6.28	47.98	50			0.573	0.550	4.05	
N-Nitroso-di-n-propylamine	1	0	CP	6.18	50.18	50	0.05		0.928	0.931	0.36	
3&4-Methylphenol	1	0		6.18	51.25	50			1.325	1.358	2.49	
Naphthalene-d8	1	0	I	6.90	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	6.31	24.48	25			0.180	0.176	2.10	
Nitrobenzene	1	0		6.33	49.13	50			0.372	0.366	1.75	
Isophorone	1	0		6.52	49.72	50			0.689	0.685	0.56	
2-Nitrophenol	1	0	CC	6.59	50.22	50	20		0.188	0.189	0.43	
2,4-Dimethylphenol	1	0		6.62	49.23	50			0.375	0.369	1.53	
Benzoic Acid	1	0		6.69	41.84	50			0.253	0.208	16.33	
bis(2-Chloroethoxy)methane	1	0		6.69	49.47	50			0.449	0.444	1.06	
2,4-Dichlorophenol	1	0	CC	6.79	50.56	50	20		0.316	0.319	1.13	
1,2,4-Trichlorobenzene	1	0		6.86	50.21	50			0.392	0.394	0.42	
Naphthalene	1	0		6.92	48.99	50			1.157	1.134	2.02	
4-Chloroaniline	1	0		6.96	49.54	50			0.411	0.461	0.93	
Hexachlorobutadiene	1	0	CC	7.02	50.04	50	20		0.213	0.213	0.08	
Caprolactam	1	0		7.24	50.75	50			0.119	0.121	1.50	
4-Chloro-3-methylphenol	1	0	CC	7.35	49.57	50	20		0.320	0.318	0.87	
2-Methylnaphthalene	1	0		7.49	48.98	50			0.764	0.748	2.03	
Methylnaphthalenes	1	0		7.49	48.98	50	20			0.748	2.03	
1,1'-Biphenyl	1	0		7.89	47.18	50			0.958	0.904	5.65	
Acenaphthene-d10	1	0	I	8.41	40.00	40				0.000	0.00	
1,2,4,5-Tetrachlorobenzene	1	0		7.64	51.31	50			0.619	0.636	2.63	
Hexachlorocyclopentadiene	1	0	CP	7.63	50.15	50	0.05		0.322	0.323	0.30	
2,4,6-Trichlorophenol	1	0	CC	7.73	49.96	50	20		0.403	0.402	0.08	
2,4,5-Trichlorophenol	1	0		7.76	50.31	50			0.435	0.438	0.62	
2-Fluorobiphenyl	1	0	S	7.80	24.72	25			1.543	1.526	1.12	
2-Chloronaphthalene	1	0		7.91	50.22	50			1.223	1.229	0.44	
1,4-Dimethylnaphthalene	1	0		8.20	51.09	50			0.947	0.968	2.18	
Dimethylnaphthalenes	1	0		8.20	51.09	50	20			0.968	2.18	
Diphenyl Ether	1	0		7.98	50.55	50			0.849	0.858	1.09	
2-Nitroaniline	1	0		7.99	50.42	50			0.357	0.360	0.84	
Coumarin	1	0		8.18	50.63				0.493			
Acenaphthylene	1	0		8.28	50.92	50			1.890	1.925	1.85	
Dimethylphthalate	1	0		8.14	49.62	50			1.413	1.402	0.76	
2,6-Dinitrotoluene	1	0		8.20	53.11	50			0.280	0.298	6.22	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 5M76204.D **Instrument:** GCMS 5

Cont Calibration Date/Time 7/27/2012 9:06:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Acenaphthene	1	0	CC	8.44	50.69	50	20		1.215	1.232	1.38	
3-Nitroaniline	1	0		8.35	53.94	50			0.330	0.356	7.88	
2,4-Dinitrophenol	1	0	CP	8.45	47.80	50	0.05		0.146	0.138	4.40	
Dibenzofuran	1	0		8.60	48.33	50			1.791	1.731	3.35	
2,4-Dinitrotoluene	1	0		8.57	46.89	50			0.380	0.387	6.22	
4-Nitrophenol	1	0	CP	8.50	46.15	50	0.05		0.218	0.218	7.70	
2,3,4,6-Tetrachlorophenol	1	0		8.71	49.26	50			0.380	0.374	1.48	
Fluorene	1	0		8.92	49.65	50			1.430	1.420	0.70	
4-Chlorophenyl-phenylether	1	0		8.91	49.33	50			0.705	0.696	1.34	
Diethylphthalate	1	0		8.79	48.56	50			1.372	1.332	2.88	
4-Nitroaniline	1	0		8.92	50.79	50			0.358	0.364	1.59	
Atrazine	1	0		9.54	46.08	50			0.356	0.328	7.83	
Phenanthrene-d10	1	0	I	9.86	40.00	40				0.000	0.00	
4,6-Dinitro-2-methylphenol	1	0		8.96	48.10	50			0.105	0.110	3.80	
n-Nitrosodiphenylamine	1	0	CC	9.03	51.24	50	20		0.645	0.661	2.47	
2,4,6-Tribromophenol	1	0	S	9.15	53.15	50			0.111	0.118	6.31	
1,2-Diphenylhydrazine	1	0		9.07	50.94	50			0.700	0.713	1.89	
4-Bromophenyl-phenylether	1	0		9.39	49.97	50			0.232	0.232	0.07	
Hexachlorobenzene	1	0		9.46	49.49	50			0.246	0.244	1.03	
N-Octadecane	1	0		9.73	53.36	50			0.407	0.434	6.72	
Pentachlorophenol	1	0	CC	9.66	48.79	50	20		0.166	0.162	2.43	
Phenanthrene	1	0		9.89	50.12	50			1.139	1.142	0.24	
Anthracene	1	0		9.94	50.99	50			1.137	1.159	1.99	
Carbazole	1	0		10.11	50.79	50			1.045	1.061	1.58	
Di-n-butylphthalate	1	0		10.48	47.10	50			1.131	1.191	5.80	
Fluoranthene	1	0	CC	11.22	51.90	50	20		1.225	1.272	3.80	
Chrysene-d12	1	0	I	12.99	40.00	40				0.000	0.00	
Pyrene	1	0		11.48	47.64	50			1.308	1.246	4.73	
Benzidine	1	0		11.37	47.88	50			0.396	0.417	4.25	
Terphenyl-d14	1	0	S	11.66	22.86	25			0.949	0.868	8.57	
4,4'-DDE	1	0		11.60	44.80				0.285			
4,4'-DDD	1	0		12.01	47.00				0.444			
Butylbenzylphthalate	1	0		12.28	44.77	50			0.495	0.470	10.45	
4,4'-DDT	1	0		12.39	48.46				0.365			
3,3'-Dichlorobenzidine	1	0		12.95	52.13	50			0.317	0.354	4.26	
Benzo[a]anthracene	1	0		12.98	49.00	50			1.179	1.155	2.00	
Chrysene	1	0		13.02	50.48	50			1.048	1.058	0.96	
bis(2-Ethylhexyl)phthalate	1	0		13.03	43.84	50			0.676	0.652	12.32	
Perylene-d12	1	0	I	14.83	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	13.88	43.54	50	20		1.196	1.138	12.92	
Benzo[b]fluoranthene	1	0		14.35	47.76	50			1.193	1.140	4.48	
Benzo[k]fluoranthene	1	0		14.39	50.94	50			1.166	1.188	1.87	
Benzo[a]pyrene	1	0	CC	14.76	50.99	50	20		1.072	1.094	1.97	
Indeno[1,2,3-cd]pyrene	1	0		16.24	55.24	50			1.130	1.248	10.49	
Dibenzo[a,h]anthracene	1	0		16.27	56.08	50			0.931	1.044	12.15	
Benzo[g,h,i]perylene	1	0		16.64	52.52	50			1.004	1.055	5.05	
2,2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.764	0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Endrin	1	100		0.00	0.00	50				0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	
2,4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 5M76204.D **Instrument:** GCMS 5

Cont Calibration Date/Time 7/27/2012 9:06:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			0.947	0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 9M45012.D **Instrument:** GCMS 9

Cont Calibration Date/Time 7/27/2012 9:07:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,4-Dichlorobenzene-d4	1	0	I	5.88	40.00	40				0.000	0.00	
1,4-Dioxane	1	0		2.68	50.92				0.647			
Pyridine	1	0		3.15	50.12	50			1.675	1.680	0.25	
N-Nitrosodimethylamine	1	0		3.08	51.35	50			0.965	0.991	2.70	
2-Fluorophenol	1	0	S	4.68	48.15	50			1.548	1.491	3.70	
Benzaldehyde	1	0		5.50	42.62	50			0.900	0.892	14.76	
Aniline	1	0		5.60	50.01	50			2.241	2.371	0.02	
Pentachloroethane	1	0		5.64	49.65	50			0.587	0.583	0.70	
bis(2-Chloroethyl)ether	1	0		5.65	47.53	50			1.540	1.464	4.93	
Phenol-d5	1	0	S	5.55	44.65	50			2.249	2.009	10.69	
Phenol	1	0	CC	5.57	48.86	50	20		2.224	2.173	2.29	
2-Chlorophenol	1	0		5.70	49.18	50			1.548	1.523	1.65	
N-Decane	1	0		5.74	47.55	50			1.580	1.503	4.91	
1,3-Dichlorobenzene	1	0		5.83	48.18	50			1.674	1.613	3.64	
1,4-Dichlorobenzene	1	0	CC	5.89	47.60	50	20		1.708	1.626	4.80	
1,2-Dichlorobenzene	1	0		6.02	48.86	50			1.610	1.574	2.28	
Benzyl alcohol	1	0		5.99	44.07	50			1.072	0.945	11.86	
bis(2-chloroisopropyl)ether	1	0		6.11	43.68	50			1.891	1.652	12.64	
2-Methylphenol	1	0		6.08	46.94	50			1.493	1.401	6.12	
Acetophenone	1	0		6.21	43.27	50			2.340	2.025	13.45	
Hexachloroethane	1	0		6.30	44.17	50			0.753	0.666	11.65	
N-Nitroso-di-n-propylamine	1	0	CP	6.21	43.19	50	0.05		1.252	1.082	13.62	
3&4-Methylphenol	1	0		6.21	44.98	50			1.573	1.416	10.03	
Naphthalene-d8	1	0	I	6.91	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	6.33	26.38	25			0.179	0.189	5.50	
Nitrobenzene	1	0		6.35	48.46	50			0.471	0.456	3.08	
Isophorone	1	0		6.54	48.68	50			0.853	0.831	2.63	
2-Nitrophenol	1	0	CC	6.60	50.66	50	20		0.196	0.220	1.32	
2,4-Dimethylphenol	1	0		6.63	48.09	50			0.469	0.451	3.81	
Benzoic Acid	1	0		6.70	39.79	50			0.317	0.280	20.41	
bis(2-Chloroethoxy)methane	1	0		6.70	48.97	50			0.494	0.484	2.06	
2,4-Dichlorophenol	1	0	CC	6.80	49.08	50	20		0.337	0.331	1.83	
1,2,4-Trichlorobenzene	1	0		6.87	50.52	50			0.374	0.378	1.03	
Naphthalene	1	0		6.93	51.06	50			1.166	1.191	2.13	
4-Chloroaniline	1	0		6.96	67.99	50			0.387	0.626	35.98	
Hexachlorobutadiene	1	0	CC	7.02	48.58	50	20		0.220	0.214	2.85	
Caprolactam	1	0		7.25	43.89	50			0.117	0.121	12.23	
4-Chloro-3-methylphenol	1	0	CC	7.34	48.50	50	20		0.412	0.400	2.99	
2-Methylnaphthalene	1	0		7.48	50.54	50			0.794	0.803	1.08	
Methylnaphthalenes	1	0		7.48	50.51	50	20			0.803	1.03	
1,1'-Biphenyl	1	0		7.86	46.92	50			0.975	0.915	6.17	
Acenaphthene-d10	1	0	I	8.37	40.00	40				0.000	0.00	
1,2,4,5-Tetrachlorobenzene	1	0		7.61	49.28	50			0.626	0.617	1.44	
Hexachlorocyclopentadiene	1	0	CP	7.61	44.84	50	0.05		0.339	0.324	10.32	
2,4,6-Trichlorophenol	1	0	CC	7.70	50.73	50	20		0.410	0.416	1.47	
2,4,5-Trichlorophenol	1	0		7.74	50.02	50			0.442	0.442	0.05	
2-Fluorobiphenyl	1	0	S	7.77	25.54	25			1.535	1.568	2.16	
2-Chloronaphthalene	1	0		7.89	47.48	50			1.267	1.204	5.03	
1,4-Dimethylnaphthalene	1	0		8.17	45.22	50			1.001	0.905	9.56	
Dimethylnaphthalenes	1	0		8.17	45.22	50	20			0.905	9.56	
Diphenyl Ether	1	0		7.95	49.50	50			0.854	0.846	1.01	
2-Nitroaniline	1	0		7.96	45.96	50			0.499	0.459	8.08	
Coumarin	1	0		8.15	47.79				0.509			
Acenaphthylene	1	0		8.25	49.89	50			1.982	1.978	0.22	
Dimethylphthalate	1	0		8.11	47.59	50			1.515	1.442	4.82	
2,6-Dinitrotoluene	1	0		8.16	47.04	50			0.319	0.300	5.92	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 9M45012.D **Instrument:** GCMS 9

Cont Calibration Date/Time 7/27/2012 9:07:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Acenaphthene	1	0	CC	8.40	48.11	50	20		1.299	1.250	3.79	
3-Nitroaniline	1	0		8.31	55.86	50			0.336	0.376	11.73	
2,4-Dinitrophenol	1	0	CP	8.41	56.60	50	0.05		0.130	0.167	13.21	
Dibenzofuran	1	0		8.56	48.16	50			1.818	1.751	3.67	
2,4-Dinitrotoluene	1	0		8.52	49.85	50			0.402	0.438	0.31	
4-Nitrophenol	1	0	CP	8.44	48.44	50	0.05		0.339	0.328	3.13	
2,3,4,6-Tetrachlorophenol	1	0		8.66	49.24	50			0.335	0.361	1.52	
Fluorene	1	0		8.88	49.93	50			1.535	1.532	0.14	
4-Chlorophenyl-phenylether	1	0		8.87	50.09	50			0.729	0.730	0.19	
Diethylphthalate	1	0		8.74	47.63	50			1.567	1.492	4.74	
4-Nitroaniline	1	0		8.88	53.33	50			0.373	0.397	6.66	
Atrazine	1	0		9.50	46.83	50			0.387	0.362	6.35	
Phenanthrene-d10	1	0	I	9.82	40.00	40				0.000	0.00	
4,6-Dinitro-2-methylphenol	1	0		8.91	61.30	50			0.104	0.131	22.60	
n-Nitrosodiphenylamine	1	0	CC	8.98	46.70	50	20		0.723	0.676	6.60	
2,4,6-Tribromophenol	1	0	S	9.11	52.16	50			0.077	0.087	4.31	
1,2-Diphenylhydrazine	1	0		9.02	45.74	50			0.987	0.903	8.53	
4-Bromophenyl-phenylether	1	0		9.35	48.96	50			0.222	0.217	2.09	
Hexachlorobenzene	1	0		9.42	50.18	50			0.209	0.209	0.36	
N-Octadecane	1	0		9.68	47.96	50			0.526	0.504	4.09	
Pentachlorophenol	1	0	CC	9.61	50.66	50	20		0.141	0.144	1.32	
Phenanthrene	1	0		9.85	46.78	50			1.220	1.142	6.44	
Anthracene	1	0		9.90	47.62	50			1.241	1.182	4.76	
Carbazole	1	0		10.07	51.81	50			1.191	1.234	3.62	
Di-n-butylphthalate	1	0		10.44	47.71	50			1.498	1.430	4.57	
Fluoranthene	1	0	CC	11.17	47.85	50	20		1.439	1.377	4.30	
Chrysene-d12	1	0	I	12.87	40.00	40				0.000	0.00	
Pyrene	1	0		11.43	46.82	50			1.468	1.375	6.35	
Benzidine	1	0		11.32	48.02	50			0.433	0.517	3.95	
Terphenyl-d14	1	0	S	11.61	23.01	25			0.865	0.796	7.98	
4,4'-DDE	1	0		11.55	44.42				0.290			
4,4'-DDD	1	0		11.95	46.18				0.499			
Butylbenzylphthalate	1	0		12.20	46.28	50			0.694	0.643	7.44	
4,4'-DDT	1	0		12.30	47.40				0.380			
3,3'-Dichlorobenzidine	1	0		12.83	51.24	50			0.320	0.380	2.47	
Benzo[a]anthracene	1	0		12.86	45.93	50			1.303	1.197	8.13	
Chrysene	1	0		12.90	45.84	50			1.174	1.076	8.32	
bis(2-Ethylhexyl)phthalate	1	0		12.90	45.99	50			0.926	0.851	8.01	
Perylene-d12	1	0	I	14.55	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	13.67	48.55	50	20		1.897	1.842	2.89	
Benzo[b]fluoranthene	1	0		14.12	49.69	50			1.370	1.362	0.62	
Benzo[k]fluoranthene	1	0		14.16	48.05	50			1.285	1.235	3.90	
Benzo[a]pyrene	1	0	CC	14.49	48.44	50	20		1.283	1.243	3.13	
Indeno[1,2,3-cd]pyrene	1	0		15.92	51.16	50			1.185	1.212	2.32	
Dibenzo[a,h]anthracene	1	0		15.94	51.53	50			0.948	0.977	3.05	
Benzo[g,h,i]perylene	1	0		16.31	53.08	50			0.956	1.015	6.17	
2,2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.794	0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Endrin	1	100		0.00	0.00	50				0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	
2,4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 9M45012.D **Instrument:** GCMS 9

Cont Calibration Date/Time 7/27/2012 9:07:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			1.001	0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 5M76249.D **Instrument:** GCMS 5

Cont Calibration Date/Time 7/31/2012 8:54:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,4-Dichlorobenzene-d4	1	0	I	5.85	40.00	40				0.000	0.00	
1,4-Dioxane	1	0		2.64	50.41				0.600			
Pyridine	1	0		3.11	47.24	50			1.521	1.437	5.51	
N-Nitrosodimethylamine	1	0		3.04	50.50	50			0.873	0.881	1.01	
2-Fluorophenol	1	0	S	4.66	49.82	50			1.382	1.377	0.36	
Benzaldehyde	1	0		5.47	45.16	50			0.683	0.713	9.68	
Aniline	1	0		5.56	52.72	50			2.033	2.143	5.43	
Pentachloroethane	1	0		5.61	49.73	50			0.461	0.459	0.54	
bis(2-Chloroethyl)ether	1	0		5.62	49.14	50			1.431	1.407	1.72	
Phenol-d5	1	0	S	5.53	50.39	50			1.860	1.874	0.78	
Phenol	1	0	CC	5.54	51.24	50	20		2.026	2.076	2.47	
2-Chlorophenol	1	0		5.67	50.00	50			1.475	1.475	0.00	
N-Decane	1	0		5.71	50.81	50			1.461	1.485	1.61	
1,3-Dichlorobenzene	1	0		5.80	49.16	50			1.648	1.621	1.68	
1,4-Dichlorobenzene	1	0	CC	5.86	49.10	50	20		1.663	1.633	1.81	
1,2-Dichlorobenzene	1	0		5.99	49.44	50			1.588	1.571	1.12	
Benzyl alcohol	1	0		5.96	49.30	50			0.992	0.978	1.39	
bis(2-chloroisopropyl)ether	1	0		6.07	47.95	50			1.785	1.711	4.11	
2-Methylphenol	1	0		6.06	48.67	50			1.367	1.330	2.66	
Acetophenone	1	0		6.18	50.46	50			1.859	1.876	0.93	
Hexachloroethane	1	0		6.27	49.39	50			0.573	0.566	1.21	
N-Nitroso-di-n-propylamine	1	0	CP	6.18	50.33	50	0.05		0.928	0.934	0.65	
3&4-Methylphenol	1	0		6.18	51.28	50			1.325	1.359	2.56	
Naphthalene-d8	1	0	I	6.88	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	6.30	24.08	25			0.180	0.173	3.69	
Nitrobenzene	1	0		6.32	49.82	50			0.372	0.371	0.36	
Isophorone	1	0		6.50	49.46	50			0.689	0.681	1.08	
2-Nitrophenol	1	0	CC	6.57	50.68	50	20		0.188	0.191	1.36	
2,4-Dimethylphenol	1	0		6.60	49.16	50			0.375	0.368	1.68	
Benzoic Acid	1	0		6.67	40.15	50			0.253	0.199	19.69	
bis(2-Chloroethoxy)methane	1	0		6.68	49.22	50			0.449	0.442	1.57	
2,4-Dichlorophenol	1	0	CC	6.77	52.38	50	20		0.316	0.331	4.75	
1,2,4-Trichlorobenzene	1	0		6.83	49.51	50			0.392	0.388	0.98	
Naphthalene	1	0		6.89	49.02	50			1.157	1.134	1.95	
4-Chloroaniline	1	0		6.93	49.45	50			0.411	0.460	1.11	
Hexachlorobutadiene	1	0	CC	6.99	50.43	50	20		0.213	0.215	0.86	
Caprolactam	1	0		7.20	48.67	50			0.119	0.116	2.65	
4-Chloro-3-methylphenol	1	0	CC	7.31	49.91	50	20		0.320	0.320	0.19	
2-Methylnaphthalene	1	0		7.44	49.11	50			0.764	0.750	1.77	
Methylnaphthalenes	1	0		7.44	49.11	50	20			0.750	1.77	
1,1'-Biphenyl	1	0		7.82	48.64	50			0.958	0.932	2.71	
Acenaphthene-d10	1	0	I	8.34	40.00	40				0.000	0.00	
1,2,4,5-Tetrachlorobenzene	1	0		7.58	50.77	50			0.619	0.629	1.54	
Hexachlorocyclopentadiene	1	0	CP	7.57	47.95	50	0.05		0.322	0.309	4.10	
2,4,6-Trichlorophenol	1	0	CC	7.67	51.09	50	20		0.403	0.411	2.18	
2,4,5-Trichlorophenol	1	0		7.71	51.32	50			0.435	0.446	2.64	
2-Fluorobiphenyl	1	0	S	7.74	24.77	25			1.543	1.529	0.93	
2-Chloronaphthalene	1	0		7.85	49.76	50			1.223	1.217	0.48	
1,4-Dimethylnaphthalene	1	0		8.13	51.13	50			0.947	0.968	2.25	
Dimethylnaphthalenes	1	0		8.13	51.13	50	20			0.968	2.25	
Diphenyl Ether	1	0		7.91	50.18	50			0.849	0.852	0.37	
2-Nitroaniline	1	0		7.93	49.87	50			0.357	0.356	0.27	
Coumarin	1	0		8.11	49.90				0.493			
Acenaphthylene	1	0		8.21	50.59	50			1.890	1.912	1.17	
Dimethylphthalate	1	0		8.08	49.16	50			1.413	1.389	1.68	
2,6-Dinitrotoluene	1	0		8.13	53.92	50			0.280	0.302	7.83	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 5M76249.D **Instrument:** GCMS 5

Cont Calibration Date/Time 7/31/2012 8:54:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Acenaphthene	1	0	CC	8.37	49.33	50	20		1.215	1.198	1.35	
3-Nitroaniline	1	0		8.28	53.52	50			0.330	0.353	7.03	
2,4-Dinitrophenol	1	0	CP	8.37	48.34	50	0.05		0.146	0.140	3.31	
Dibenzofuran	1	0		8.52	48.88	50			1.791	1.751	2.25	
2,4-Dinitrotoluene	1	0		8.49	46.81	50			0.380	0.387	6.38	
4-Nitrophenol	1	0	CP	8.42	45.95	50	0.05		0.218	0.217	8.10	
2,3,4,6-Tetrachlorophenol	1	0		8.63	49.10	50			0.380	0.373	1.80	
Fluorene	1	0		8.85	48.59	50			1.430	1.390	2.82	
4-Chlorophenyl-phenylether	1	0		8.83	49.79	50			0.705	0.702	0.43	
Diethylphthalate	1	0		8.71	47.83	50			1.372	1.312	4.33	
4-Nitroaniline	1	0		8.85	49.43	50			0.358	0.354	1.14	
Atrazine	1	0		9.47	45.41	50			0.356	0.323	9.19	
Phenanthrene-d10	1	0	I	9.81	40.00	40				0.000	0.00	
4,6-Dinitro-2-methylphenol	1	0		8.88	47.60	50			0.105	0.109	4.79	
n-Nitrosodiphenylamine	1	0	CC	8.95	48.75	50	20		0.645	0.629	2.50	
2,4,6-Tribromophenol	1	0	S	9.08	51.40	50			0.111	0.114	2.80	
1,2-Diphenylhydrazine	1	0		8.99	49.38	50			0.700	0.691	1.24	
4-Bromophenyl-phenylether	1	0		9.33	50.37	50			0.232	0.234	0.75	
Hexachlorobenzene	1	0		9.39	49.12	50			0.246	0.242	1.76	
N-Octadecane	1	0		9.66	53.31	50			0.407	0.433	6.63	
Pentachlorophenol	1	0	CC	9.59	48.15	50	20		0.166	0.159	3.70	
Phenanthrene	1	0		9.83	48.80	50			1.139	1.112	2.41	
Anthracene	1	0		9.89	50.21	50			1.137	1.141	0.41	
Carbazole	1	0		10.05	48.76	50			1.045	1.019	2.48	
Di-n-butylphthalate	1	0		10.43	47.03	50			1.131	1.189	5.94	
Fluoranthene	1	0	CC	11.16	50.29	50	20		1.225	1.232	0.59	
Chrysene-d12	1	0	I	12.91	40.00	40				0.000	0.00	
Pyrene	1	0		11.42	48.41	50			1.308	1.266	3.19	
Benzidine	1	0		11.31	50.33	50			0.396	0.437	0.66	
Terphenyl-d14	1	0	S	11.61	23.49	25			0.949	0.892	6.02	
4,4'-DDE	1	0		11.54	47.10				0.285			
4,4'-DDD	1	0		11.95	48.63				0.444			
Butylbenzylphthalate	1	0		12.21	46.34	50			0.495	0.487	7.33	
4,4'-DDT	1	0		12.32	50.11				0.365			
3,3'-Dichlorobenzidine	1	0		12.86	55.08	50			0.317	0.374	10.16	
Benzo[a]anthracene	1	0		12.89	48.58	50			1.179	1.145	2.85	
Chrysene	1	0		12.94	50.12	50			1.048	1.051	0.25	
bis(2-Ethylhexyl)phthalate	1	0		12.94	44.50	50			0.676	0.662	11.00	
Perylene-d12	1	0	I	14.70	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	13.77	44.35	50	20		1.196	1.160	11.31	
Benzo[b]fluoranthene	1	0		14.23	50.21	50			1.193	1.198	0.42	
Benzo[k]fluoranthene	1	0		14.27	48.88	50			1.166	1.140	2.23	
Benzo[a]pyrene	1	0	CC	14.64	50.35	50	20		1.072	1.080	0.71	
Indeno[1,2,3-cd]pyrene	1	0		16.10	54.45	50			1.130	1.230	8.89	
Dibenzo[a,h]anthracene	1	0		16.13	55.56	50			0.931	1.035	11.13	
Benzo[g,h,i]perylene	1	0		16.51	53.03	50			1.004	1.065	6.06	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			0.947	0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	
Endrin	1	100		0.00	0.00	50				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.764	0.000	100.00	
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 5M76249.D **Instrument:** GCMS 5

Cont Calibration Date/Time 7/31/2012 8:54:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
2,2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
2,4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

FORM8

Internal Standard Areas

Evaluation Std Data File: 10M31326.D Method: EPA 8270C

Analysis Date/Time: 07/02/12 13:11

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	78626	5.49	314538	6.50	176789	7.88	318046	9.31	305928	12.33	254956	13.93
Eval File Area Limit:	39313-157252		157269-629076		88394-353578		159023-636092		152964-611856		127478-509912	
Eval File Rt Limit:	4.99-5.99		6-7		7.38-8.38		8.81-9.81		11.83-12.83		13.43-14.43	

Data File	Sample												
10M31318.	CAL BNA@19	73077	5.49	294935	6.51	168370	7.89	300131	9.31	248809	12.34	205824	13.93
10M31319.	CAL BNA@16	56399	5.49	223418	6.50	124380	7.88	218924	9.31	187667	12.33	159820	13.93
10M31320.	CAL BNA@12	73692	5.49	288624	6.50	158382	7.88	274708	9.31	236643	12.33	197590	13.93
10M31321.	CAL BNA@80	64973	5.49	256996	6.50	145935	7.88	264173	9.31	247056	12.33	218523	13.93
10M31322.	CAL BNA@20	75071	5.49	310083	6.50	170787	7.88	302825	9.31	299597	12.33	249685	13.93
10M31323.	CAL BNA@10	78325	5.49	318495	6.50	177328	7.88	315177	9.31	308759	12.33	263339	13.93
10M31324.	CAL BNA@2F	112903	5.49	445207	6.50	249480	7.88	446137	9.31	438236	12.33	360138	13.93
10M31325.	CAL BNA@.5	72003	5.49	290824	6.50	168252	7.88	300836	9.31	302977	12.33	258495	13.93
10M31326.	CAL BNA@50	78626	5.49	314538	6.50	176789	7.88	318046	9.31	305928	12.33	254956	13.93
10M31327.	ICV BNA@50	69942	5.49	275771	6.50	153861	7.88	266321	9.31	242610	12.33	192539	13.93

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 10M31615.D Method: EPA 8270C

Analysis Date/Time: 07/11/12 07:44

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	75342	5.47	327779	6.48	190644	7.86	357664	9.28	354271	12.31	320046	13.90
Eval File Area Limit:	37671-150684		163890-655558		95322-381288		178832-715328		177136-708542		160023-640092	
Eval File Rt Limit:	4.97-5.97		5.98-6.98		7.36-8.360001		8.78-9.78		11.81-12.81		13.4-14.4	

Data File	Sample												
10M31616.	WMB14783	35469 A	5.46	161725 A	6.48	106097	7.86	217084	9.27	254104	12.30	240385	13.89
10M31617.	WMB14789	45201	5.46	203090	6.48	129752	7.85	255828	9.27	295091	12.30	265817	13.89
10M31618.	OMB14787	77804	5.47	322816	6.48	197038	7.86	357778	9.28	371990	12.30	341884	13.90
10M31619.	AC66732-001	53877	5.47	238730	6.48	144364	7.86	281407	9.27	318907	12.30	293330	13.89
10M31620.	AC66732-002	61437	5.46	264738	6.48	156966	7.85	297900	9.27	317134	12.30	212785	13.89
10M31621.	AC66732-003	54749	5.47	239874	6.48	143671	7.85	279140	9.27	302220	12.30	264068	13.89
10M31622.	AC66732-004	51855	5.47	232487	6.48	139013	7.86	268247	9.27	294931	12.30	266822	13.89
10M31623.	AC66732-006	60317	5.47	260646	6.48	152363	7.86	296926	9.28	333605	12.30	292094	13.89
10M31625.	AC66732-007	64829	5.47	277314	6.48	167901	7.86	305544	9.27	329169	12.30	278552	13.90
10M31626.	WMB14783	52830	5.46	239206	6.48	145802	7.86	281751	9.27	297375	12.30	263053	13.89
10M31627.	AC66732-010	52978	5.47	238718	6.48	145691	7.86	282556	9.27	303486	12.30	273474	13.90
10M31628.	AC66732-011	67959	5.47	282585	6.48	164230	7.86	318934	9.27	348644	12.30	309976	13.89
10M31629.	AC66732-012	56787	5.47	247985	6.48	153268	7.85	297021	9.27	331414	12.30	298472	13.89
10M31630.	AC66732-014	53342	5.46	229276	6.48	135634	7.85	263352	9.27	294687	12.30	265392	13.89
10M31631.	AC66732-015	50477	5.46	227067	6.48	133411	7.86	267407	9.27	295245	12.30	266440	13.89
10M31632.	AC66732-016	53234	5.46	240995	6.48	148852	7.86	285418	9.27	307480	12.30	276679	13.89
10M31633.	WMB14792	59566	5.47	261109	6.48	162383	7.86	311788	9.27	340096	12.30	305881	13.89
10M31634.	AC66911-002	66647	5.46	295623	6.48	178441	7.86	342288	9.27	357486	12.30	308576	13.90
10M31635.	AC66911-004	67006	5.46	290281	6.48	180506	7.86	347115	9.27	363330	12.30	304488	13.90

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 10M31639.D Method: EPA 8270C

Analysis Date/Time: 07/12/12 09:26

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	63683	5.46	287042	6.48	175223	7.85	329996	9.27	342332	12.30	321797	13.89
Eval File Area Limit:	31842-127366		143521-574084		87612-350446		164998-659992		171166-684664		160898-643594	
Eval File Rt Limit:	4.96-5.96		5.98-6.98		7.35-8.35		8.77-9.77		11.8-12.8		13.39-14.39	

Data File	Sample												
10M31638.	BNA@50PPM	69892	5.46	298276	6.48	177130	7.85	329206	9.27	335800	12.30	319567	13.89
10M31640.	WMB14802	61985	5.46	263168	6.48	163319	7.85	320147	9.27	359970	12.30	327379	13.89
10M31641.	WMB14802(M	64683	5.46	282078	6.48	168919	7.85	314551	9.27	317207	12.30	302521	13.89
10M31642.	AC66907-004(	78002	5.46	324056	6.48	198299	7.86	311504	9.28	322895	12.31	243165	13.90
10M31643.	AC66907-005(	86678	5.46	348698	6.48	218887	7.86	336446	9.28	338672	12.31	246562	13.90
10M31644.	AC66943-001(	61246	5.46	259182	6.48	155324	7.85	301458	9.27	341975	12.30	300960	13.89
10M31645.	WMB14792(M	52200	5.46	248638	6.48	156013	7.85	302588	9.27	306958	12.30	295505	13.89
10M31646.	AC66962-005	66261	5.46	282972	6.48	167888	7.85	307505	9.27	326789	12.30	294705	13.89
10M31647.	AC66962-005(	51993	5.46	229340	6.48	146819	7.85	281466	9.27	287368	12.30	273188	13.90
10M31648.	AC66962-005(	53483	5.46	235080	6.48	148485	7.85	285409	9.27	296849	12.30	278155	13.89
10M31649.	EF-1 V-14521	57482	5.46	247364	6.48	148499	7.85	284533	9.27	313378	12.30	279144	13.89
10M31650.	EF-2 V-14367	63311	5.46	262966	6.48	154797	7.85	289581	9.27	335513	12.30	285295	13.89
10M31651.	AC66962-001	52152	5.46	230640	6.48	138683	7.85	269887	9.27	299508	12.30	271151	13.89
10M31652.	AC66962-006	68709	5.46	280678	6.48	165439	7.85	298062	9.27	300795	12.30	261173	13.90
10M31653.	WMB14810(M	65841	5.46	283219	6.48	169081	7.85	318477	9.27	315963	12.30	301750	13.89
10M31654.	WMB14810	58545	5.46	256146	6.48	159010	7.85	302599	9.27	348846	12.30	317387	13.89
10M31655.	AC66981-001	48481	5.46	216227	6.48	138822	7.85	280464	9.27	333260	12.30	304537	13.89
10M31656.	AC66981-007	70442	5.46	297826	6.48	175424	7.85	322482	9.27	365643	12.30	313272	13.89
10M31657.	AC66963-013	52983	5.46	219318	6.48	157720	7.85	272870	9.27	296270	12.30	268919	13.89
10M31658.	AC66963-013(	68067	5.46	291426	6.48	188137	7.86	359100	9.28	353683	12.31	333999	13.90
10M31659.	AC66963-013(	59897	5.46	263053	6.48	171215	7.85	317636	9.27	309055	12.30	298119	13.89
10M31660.	AC66971-001(	49796	5.46	227657	6.48	141182	7.85	272596	9.27	335902	12.30	311285	13.89
10M31661.	AC66971-002(	49054	5.46	222147	6.48	143456	7.85	275702	9.27	313803	12.30	287980	13.89
10M31662.	AC66971-003(	50233	5.46	231015	6.48	147001	7.85	292788	9.27	328676	12.30	299049	13.89
10M31663.	AC66971-004(	57937	5.46	248827	6.48	155442	7.85	304777	9.27	341624	12.30	303189	13.90
10M31664.	AC66971-005(	57668	5.46	258501	6.48	160260	7.85	305952	9.27	340322	12.30	311373	13.89
10M31665.	AC66971-006(	51153	5.46	228740	6.48	149385	7.85	290757	9.27	335055	12.30	311382	13.89
10M31666.	WMB14810	55086	5.46	236027	6.48	149735	7.85	294379	9.27	346754	12.30	313093	13.89
10M31667.	AC66971-007(	57564	5.46	248865	6.48	156954	7.85	308817	9.27	346228	12.30	304433	13.89
10M31672.	TEST	53601	5.46	240499	6.48	153885	7.85	296208	9.27	302545	12.30	286624	13.89
10M31673.	TEST	55396	5.46	244236	6.48	154051	7.85	305341	9.27	320971	12.30	298747	13.89

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 9M44773.D Method: EPA 8270C

Analysis Date/Time: 07/17/12 12:35

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	112861	5.89	438292	6.93	247649	8.38	446947	9.84	434707	12.88	355493	14.53
Eval File Area Limit:	56430-225722		219146-876584		123824-495298		223474-893894		217354-869414		177746-710986	
Eval File Rt Limit:	5.39-6.39		6.43-7.43		7.88-8.88		9.34-10.34		12.38-13.38		14.03-15.03	

Data File	Sample												
9M44765.D	CAL BNA@1C	76286	5.89	297322	6.92	172879	8.36	317739	9.82	327601	12.87	275113	14.51
9M44766.D	CAL BNA@2F	70495	5.89	283574	6.92	163850	8.36	284707	9.82	312446	12.87	246816	14.53
9M44767.D	CAL BNA@.5	70065	5.89	266646	6.92	162702	8.36	290554	9.82	298620	12.87	252232	14.50
9M44768.D	CAL BNA@1S	80060	5.89	291018	6.92	190611	8.37	328788	9.83	296910	12.88	247692	14.51
9M44769.D	CAL BNA@16	67622	5.89	263181	6.92	161247	8.37	278791	9.83	271491	12.88	227754	14.52
9M44770.D	CAL BNA@12	69038	5.89	266022	6.92	159773	8.38	293795	9.84	283574	12.88	233643	14.53
9M44771.D	CAL BNA@8C	69667	5.89	270867	6.92	158690	8.36	285555	9.83	275793	12.87	235418	14.52
9M44772.D	CAL BNA@2C	73805	5.89	291441	6.92	170461	8.36	296528	9.83	313639	12.87	250671	14.50
9M44773.D	CAL BNA@5C	112861	5.89	438292	6.93	247649	8.38	446947	9.84	434707	12.88	355493	14.53
9M44774.D	ICV BNA@50	78031	5.89	298161	6.93	179978	8.38	318200	9.84	319899	12.88	254718	14.54

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 5M76135.D Method: EPA 8270C

Analysis Date/Time: 07/23/12 14:19

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	100946	5.85	384949	6.87	232971	8.33	454686	9.80	455522	12.86	381368	14.57
Eval File Area Limit:	50473-201892		192474-769898		116486-465942		227343-909372		227761-911044		190684-762736	
Eval File Rt Limit:	5.35-6.35		6.37-7.37		7.83-8.83		9.3-10.3		12.36-13.36		14.07-15.07	

Data File	Sample												
5M76128.D	CAL BNA@16	97746	5.85	374653	6.89	220354	8.35	416943	9.82	375682	12.89	318589	14.62
5M76129.D	CAL BNA@12	94082	5.85	362853	6.87	213321	8.33	401593	9.80	364860	12.89	316028	14.62
5M76130.D	CAL BNA@80	92775	5.85	355933	6.87	223574	8.33	430004	9.80	444276	12.89	384018	14.62
5M76131.D	CAL BNA@20	97731	5.85	376288	6.88	226188	8.35	436556	9.81	467747	12.89	394312	14.64
5M76132.D	CAL BNA@10	102331	5.85	391167	6.88	238705	8.35	433669	9.82	449888	12.90	389737	14.66
5M76133.D	CAL BNA@2F	94854	5.85	369720	6.88	221323	8.35	415894	9.81	405750	12.87	342549	14.61
5M76134.D	CAL BNA@.5	101071	5.85	398080	6.88	238610	8.34	477360	9.81	521022	12.86	439113	14.54
5M76135.D	CAL BNA@50	100946	5.85	384949	6.87	232971	8.33	454686	9.80	455522	12.86	381368	14.57
5M76136.D	CAL BNA@19	94333	5.85	352618	6.87	205053	8.32	379033	9.79	326228	12.86	294915	14.53
5M76137.D	ICV BNA@50	107473	5.85	417846	6.89	254102	8.36	472457	9.82	487021	12.87	388660	14.56
5M76138.D	WMB14899(M	111774	5.85	405694	6.88	239350	8.34	437338	9.81	397435	12.87	347631	14.55
5M76139.D	WMB14899	102882	5.85	394087	6.86	234559	8.31	437593	9.78	423366	12.85	357745	14.50

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10
I2 =	Naphthalene-d8	I5 =	Chrysene-d12
I3 =	Acenaphthene-d10	I6 =	Perylene-d12

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
624/8260 Internal Standard concentration = 30ug/L
524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 5M76204.D Method: EPA 8270C

Analysis Date/Time: 07/27/12 09:06

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	91358	5.85	336374	6.90	195226	8.41	358402	9.86	390053	12.99	354798	14.83
Eval File Area Limit:	45679-182716		168187-672748		97613-390452		179201-716804		195026-780106		177399-709596	
Eval File Rt Limit:	5.35-6.35		6.4-7.4		7.91-8.91		9.36-10.36		12.49-13.49		14.33-15.33	

Data File	Sample												
5M76203.D	BNA@50PPM	97093	5.85	365812	6.88	209944	8.33	398136	9.81	427779	12.93	392093	14.74
5M76205.D	WMB14939(M	105651	5.85	384134	6.88	221621	8.33	413713	9.80	427494	12.94	385857	14.78
5M76206.D	WMB14939	112735	5.85	433702	6.89	257100	8.37	481994	9.83	495027	13.01	462526	14.88
5M76207.D	AC67190-001(	109180	5.85	398080	6.88	229919	8.35	441655	9.82	464361	12.89	412203	14.68
5M76208.D	AC67190-001(	107861	5.85	405711	6.88	237504	8.34	436078	9.81	438972	12.94	403241	14.80
5M76209.D	AC67190-001(	100738	5.85	370036	6.89	218891	8.36	417063	9.83	415394	12.93	386211	14.74
5M76210.D	AC67160-001(	106769	5.85	402510	6.88	235948	8.34	433688	9.81	454645	12.94	414401	14.76
5M76211.D	AC67160-002(	103823	5.85	397637	6.89	230227	8.37	427089	9.83	436806	12.90	387179	14.65
5M76212.D	AC67160-003(	107453	5.85	400874	6.88	233780	8.34	443375	9.81	449959	12.89	405643	14.67
5M76213.D	AC67160-004(	100898	5.85	367260	6.89	217834	8.37	398488	9.83	419804	12.93	380233	14.73
5M76214.D	WMB14942(M	106783	5.85	391139	6.89	227793	8.37	421006	9.83	423880	12.94	400166	14.72
5M76215.D	WMB14942	111758	5.85	432169	6.88	250650	8.34	468857	9.81	483309	12.88	429129	14.64
5M76216.D	AC67025-014(	111045	5.85	415473	6.87	245684	8.33	447423	9.80	453533	12.87	422330	14.61
5M76217.D	AC67190-001(	88025	5.85	331749	6.89	196406	8.36	362557	9.82	369963	12.93	329526	14.74
5M76218.D	WMB14943(M	108133	5.85	386379	6.88	220834	8.34	412197	9.81	428220	12.89	390088	14.64
5M76219.D	WMB14943	117611	5.85	434898	6.88	254783	8.34	473097	9.81	487614	12.94	447332	14.75
5M76220.D	EF-1 V-14597	118337	5.85	437863	6.88	250006	8.35	470901	9.81	490132	12.90	427574	14.70
5M76222.D	AC67263-001(	107082	5.85	387871	6.91	229998	8.42	415392	9.87	424484	12.92	389734	14.69
5M76223.D	AC67263-001(	106727	5.85	383486	6.89	226760	8.37	419595	9.84	422281	12.94	396313	14.74

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10
I2 =	Naphthalene-d8	I5 =	Chrysene-d12
I3 =	Acenaphthene-d10	I6 =	Perylene-d12

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
624/8260 Internal Standard concentration = 30ug/L
524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 9M45012.D Method: EPA 8270C

Analysis Date/Time: 07/27/12 09:07

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	76740	5.88	277170	6.91	158243	8.37	287977	9.82	303687	12.87	255155	14.55
Eval File Area Limit:	38370-153480		138585-554340		79122-316486		143988-575954		151844-607374		127578-510310	
Eval File Rt Limit:	5.38-6.38		6.41-7.41		7.87-8.87		9.32-10.32		12.37-13.37		14.05-15.05	

Data File	Sample												
9M45013.D	SMB14940	111735	5.88	419939	6.90	233903	8.35	396931	9.81	355551	12.86	272252	14.52
9M45014.D	SMB14940(M	100294	5.89	347669	6.89	206214	8.33	315717	9.80	292027	12.85	238259	14.52
9M45015.D	OMB14941(M	85856	5.88	322978	6.89	191341	8.33	311762	9.79	336229	12.86	291299	14.57
9M45016.D	OMB14941	96204	5.88	359869	6.89	212204	8.33	338338	9.80	362006	12.86	324966	14.54
9M45017.D	SMB14940(M	120389	5.88	430177	6.89	243739	8.33	377965	9.80	354310	12.85	285567	14.50
9M45018.D	AC67229-001	104303	5.88	386975	6.90	210042	8.34	334042	9.80	298420	12.84	226590	14.49
9M45019.D	AC67229-001(	115773	5.89	397641	6.89	236334	8.33	369743	9.79	322717	12.85	262673	14.49
9M45020.D	AC67229-001(	93140	5.88	343878	6.90	189558	8.34	308633	9.80	264988	12.85	205171	14.49
9M45021.D	AC67229-017	94872	5.89	305141	6.91	169415	8.35	304433	9.81	266284	12.85	191241	14.52
9M45022.D	AC67123-001	104145	5.88	379689	6.90	210312	8.33	354948	9.80	298402	12.84	233884	14.48
9M45023.D	AC67095-007	99720	5.89	321982	6.90	181586	8.36	274022	9.82	237025	12.86	210654	14.48
9M45024.D	AC67118-011	92595	5.89	323485	6.90	159231	8.35	233752	9.81	221197	12.87	211293	14.57
9M45025.D	AC67118-001	92335	5.89	327352	6.90	177901	8.35	233386	9.81	211660	12.87	197319	14.52
9M45026.D	WMB14942	159603 A	5.88	619873 A	6.89	339066 A	8.34	534505	9.80	425027	12.85	334609	14.50
9M45027.D	WMB14943	143425	5.88	550739	6.90	319137 A	8.34	548706	9.80	466761	12.85	375380	14.49
9M45028.D	AC66830-001(	150645	5.88	558759 A	6.90	314725	8.34	522921	9.80	522835	12.88	415377	14.59
9M45029.D	AC67017-001(	134400	5.88	487917	6.89	272389	8.34	463159	9.80	475650	12.86	388888	14.56
9M45030.D	AC67271-001	105911	5.88	376401	6.89	205566	8.34	356206	9.80	329836	12.87	269380	14.57
9M45031.D	AC67271-003	103908	5.88	385463	6.89	218925	8.33	371699	9.79	366607	12.85	297382	14.51
9M45032.D	AC67271-005	143531	5.88	531675	6.89	321876 A	8.33	529358	9.79	505107	12.85	411661	14.50
9M45033.D	AC67271-007	143038	5.88	544068	6.89	300535	8.33	500337	9.79	514922	12.84	426553	14.48
9M45034.D	AC67271-009	140438	5.88	498128	6.89	290985	8.33	467297	9.79	448563	12.85	369148	14.48
9M45035.D	AC67271-012	104157	5.88	400295	6.89	222734	8.32	374722	9.79	370269	12.85	279411	14.48
9M45036.D	AC67286-003	95783	5.88	360151	6.89	201802	8.32	347178	9.79	332511	12.85	260257	14.47
9M45037.D	AC67250-006(	110122	5.88	418551	6.89	229572	8.32	395428	9.79	372007	12.85	302977	14.47
9M45038.D	EF-1 V-14597	109135	5.88	403915	6.89	229128	8.32	394240	9.79	368602	12.85	290468	14.47

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	624/8260 Internal Standard concentration = 30ug/L
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 5M76249.D Method: EPA 8270C

Analysis Date/Time: 07/31/12 08:54

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	95664	5.85	362907	6.88	211717	8.34	391822	9.81	396991	12.91	363130	14.70
Eval File Area Limit:	47832-191328		181454-725814		105858-423434		195911-783644		198496-793982		181565-726260	
Eval File Rt Limit:	5.35-6.35		6.38-7.38		7.84-8.84		9.31-10.31		12.41-13.41		14.2-15.2	

Data File	Sample												
5M76250.D	WMB14962(M	106153	5.85	382654	6.88	221084	8.35	413015	9.81	426928	12.89	381610	14.60
5M76251.D	WMB14962	118295	5.85	456102	6.87	256994	8.33	477480	9.80	468189	12.87	419678	14.59
5M76253.D	AC67289-001(	103226	5.85	375622	6.87	222685	8.33	400797	9.80	401130	12.94	370211	14.75
5M76254.D	AC67289-001(	160479	5.85	625374	6.87	366678	8.33	686975	9.80	613494	12.92	539985	14.69
5M76255.D	AC67311-004	127831	5.85	468007	6.87	278429	8.33	518689	9.80	517900	12.89	460879	14.68
5M76257.D	AC67259-022(	155447	5.85	589420	6.87	345492	8.33	641708	9.80	646082	12.92	598257	14.74
5M76258.D	AC67299-001(	83489	5.86	321228	6.88	207441	8.34	376784	9.80	387483	12.91	377118	14.70
5M76259.D	AC67299-002(	100060	5.85	368771	6.87	225852	8.33	416610	9.80	428062	12.88	400979	14.64
5M76260.D	AC67299-003(	97945	5.85	359310	6.87	210814	8.33	390342	9.80	413082	12.90	393619	14.67
5M76261.D	AC67299-004(	103938	5.85	375060	6.88	221685	8.34	421358	9.80	442065	12.93	401732	14.75
5M76262.D	AC67299-005(	159023	5.85	608045	6.87	378763	8.32	743294	9.79	745987	12.90	635942	14.67
5M76263.D	EF-2 V-14367	106923	5.85	396269	6.87	228698	8.32	434506	9.80	444355	12.88	413188	14.64
5M76264.D	EF-1 V-14597	110163	5.85	409405	6.87	239283	8.32	448537	9.79	443821	12.89	395305	14.69
5M76266.D	AC67069-002(	104737	5.85	375007	6.87	219673	8.31	408542	9.78	415833	12.86	377549	14.56
5M76268.D	WMB14969(M	104196	5.85	375729	6.86	222237	8.30	422170	9.78	413821	12.86	386136	14.56
5M76269.D	WMB14969	95862	5.85	361295	6.86	206207	8.30	392737	9.78	401600	12.85	378233	14.57
5M76270.D	AC67271-005(	130368	5.85	474296	6.86	268811	8.30	498040	9.78	519448	12.85	502403	14.54
5M76271.D	AC67271-007(	138109	5.85	509198	6.86	295665	8.30	533787	9.78	531693	12.85	486360	14.52

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10
I2 =	Naphthalene-d8	I5 =	Chrysene-d12
I3 =	Acenaphthene-d10	I6 =	Perylene-d12

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
624/8260 Internal Standard concentration = 30ug/L
524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

PCB Data

Form1

ORGANICS PCB REPORT

Sample Number: AC67271-001
Client Id: MW-1 U
Data File: 3G68990.D
Analysis Date: 07/31/12 10:44
Date Rec/Extracted: 07/25/12-07/30/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082
Matrix: Aqueous
Initial Vol: 500ml
Final Vol: 2.5ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.25	U	11097-69-1	Aroclor-1254	0.25	U
11104-28-2	Aroclor-1221	0.25	U	11096-82-5	Aroclor-1260	0.25	U
11141-16-5	Aroclor-1232	0.25	U	37324-23-5	Aroclor-1262	0.25	U
53469-21-9	Aroclor-1242	0.25	U	11100-14-4	Aroclor-1268	0.25	U
12672-29-6	Aroclor-1248	0.25	U	1336-36-3	Aroclor (Total)	0.25	U

Worksheet #: 235614

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

Quantitation Report (QT Reviewed)

2072508 0205

Data Path : G:\Gcdata\2012\GC_3\Data\07-31-12\
Data File : 3G68990.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 31 Jul 2012 10:44
Operator : MS/JP
Sample : AC67271-001
Misc : A,PCB
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 31 13:22:21 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0729.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Fri Jul 20 09:39:58 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

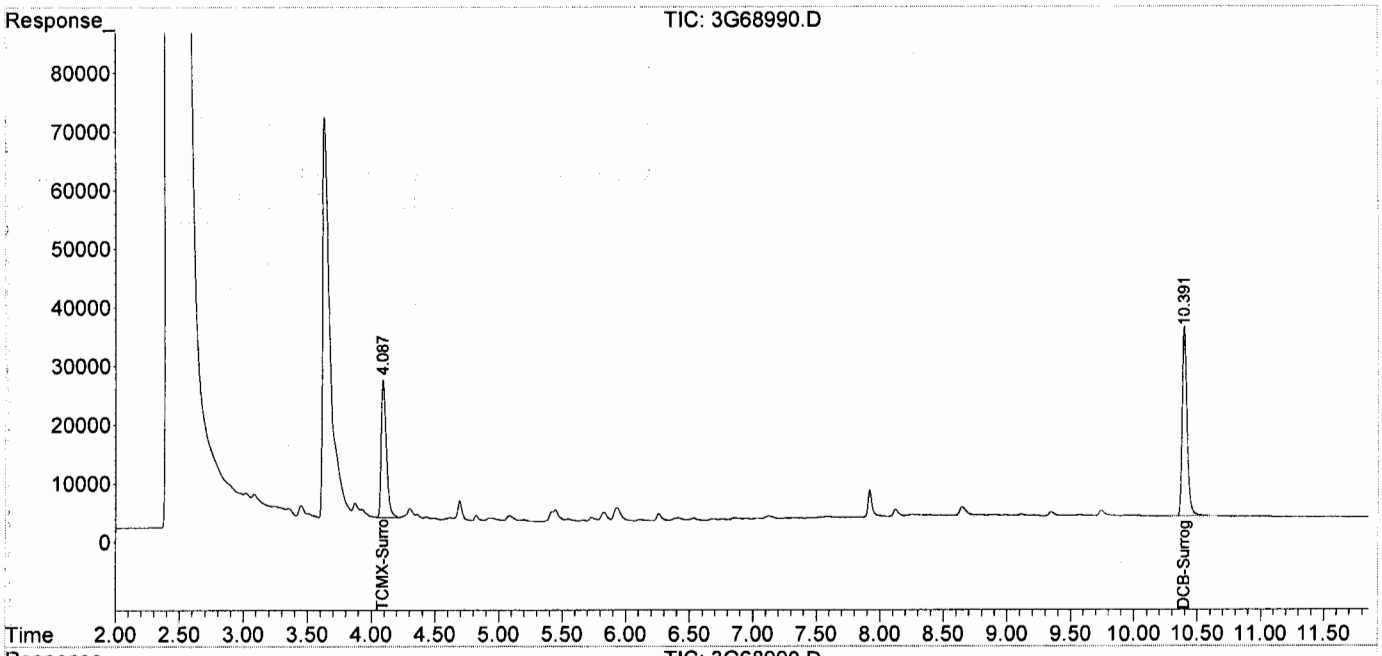
Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	4.087	3.986	657149	1151100	66.633m	62.249m
45) DCB-Surrogate	10.392	10.817	864383	1687510	94.387	94.417

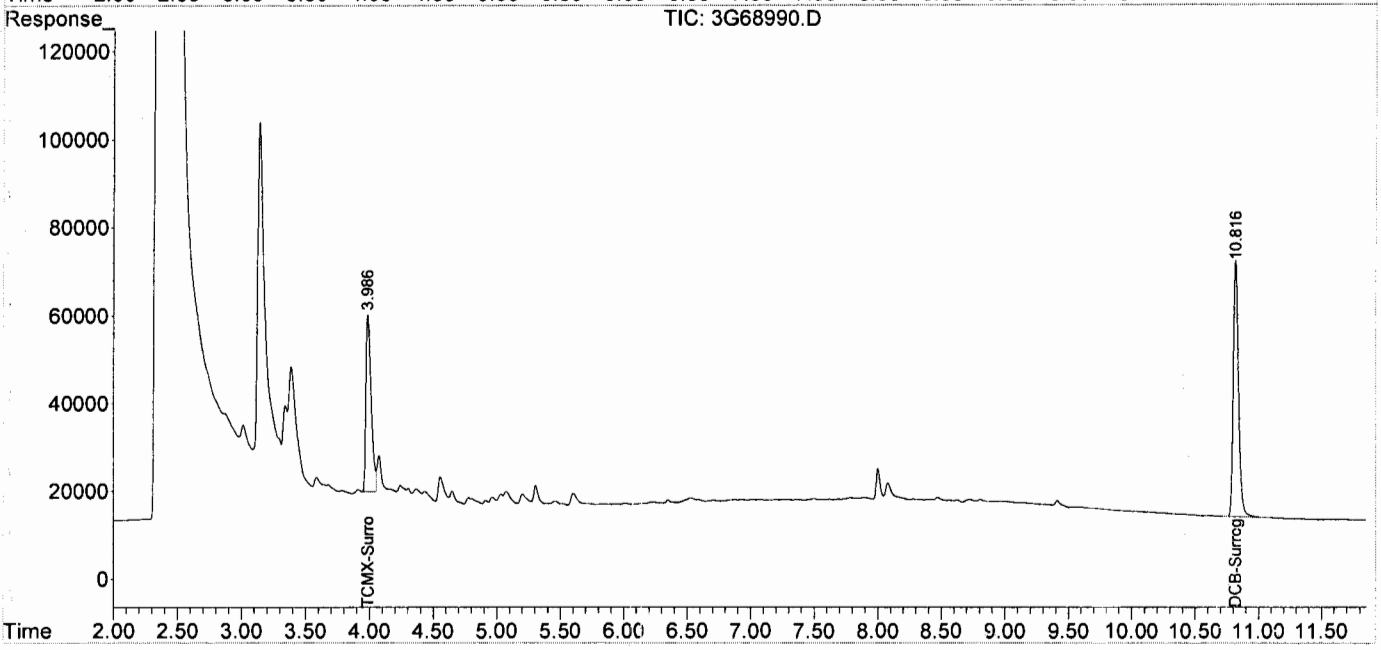
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2012\GC_3\Data\07-31-12\
Data File : 3G68990.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 31 Jul 2012 10:44
Operator : MS/JP
Sample : AC67271-001
Misc : A,PCB
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 31 13:22:21 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0729.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Fri Jul 20 09:39:58 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Form1

ORGANICS PCB REPORT

Sample Number: AC67271-003
Client Id: MW-2 U
Data File: 3G68991.D
Analysis Date: 07/31/12 10:59
Date Rec/Extracted: 07/25/12-07/30/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082
Matrix: Aqueous
Initial Vol: 950ml
Final Vol: 5ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.26	U	11097-69-1	Aroclor-1254	0.26	U
11104-28-2	Aroclor-1221	0.26	U	11096-82-5	Aroclor-1260	0.26	U
11141-16-5	Aroclor-1232	0.26	U	37324-23-5	Aroclor-1262	0.26	U
53469-21-9	Aroclor-1242	0.26	U	11100-14-4	Aroclor-1268	0.26	U
12672-29-6	Aroclor-1248	0.26	U	1336-36-3	Aroclor (Total)	0.26	U

Worksheet #: 235614

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

2072508 0208

Data Path : G:\Gcdata\2012\GC_3\Data\07-31-12\
Data File : 3G68991.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 31 Jul 2012 10:59
Operator : MS/JP
Sample : AC67271-003
Misc : A,PCB
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 31 13:22:53 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0729.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Fri Jul 20 09:39:58 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	4.083	3.985	691750	1173235	70.141m	63.446m
45) DCB-Surrogate	10.386	10.815	915541	1783217	99.973	99.771

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

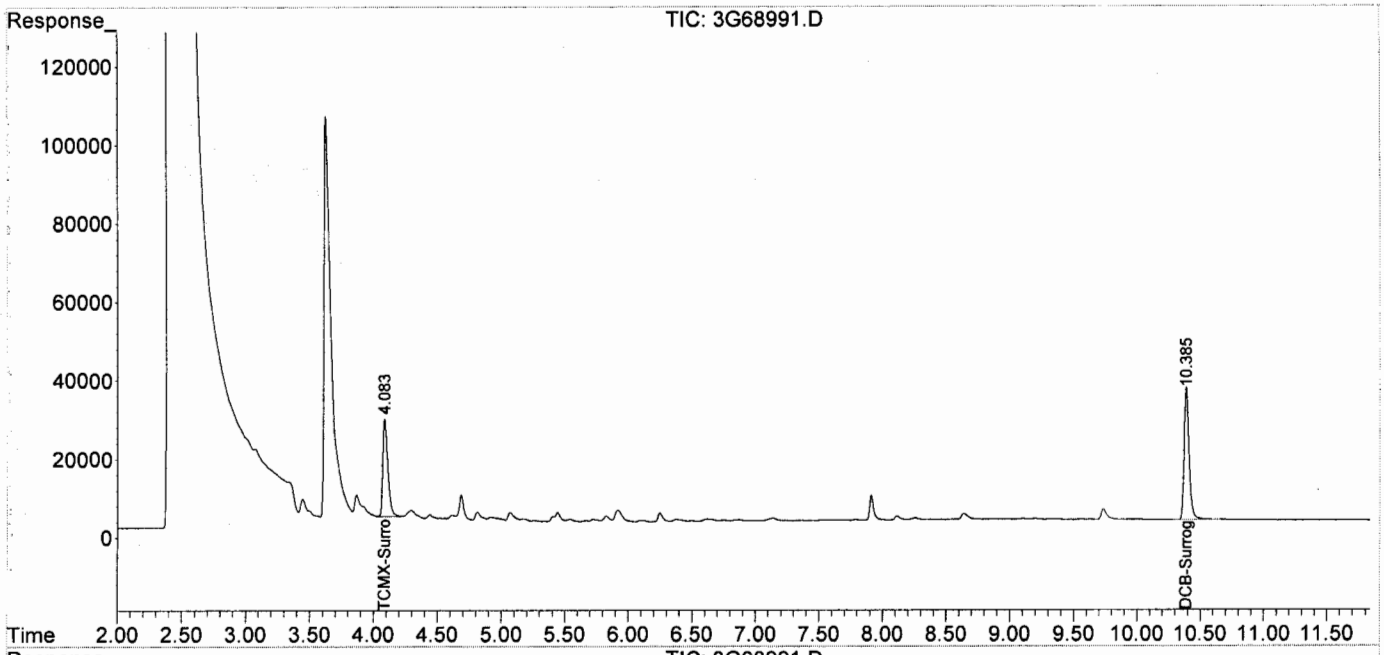
Quantitation Report (QT Reviewed)

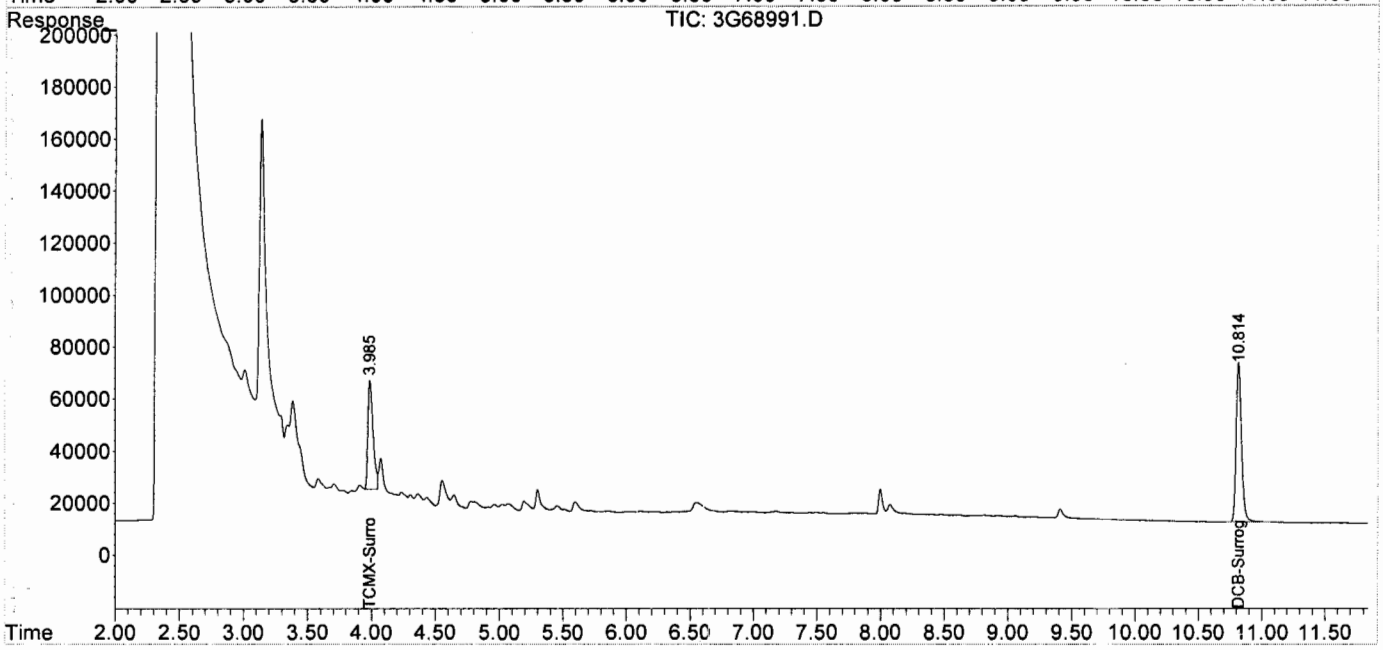
2072508 0209

Data Path : G:\Gcdata\2012\GC_3\Data\07-31-12\
Data File : 3G68991.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 31 Jul 2012 10:59
Operator : MS/JP
Sample : AC67271-003
Misc : A,PCB
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 31 13:22:53 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0729.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Fri Jul 20 09:39:58 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Form1

ORGANICS PCB REPORT

Sample Number: AC67271-005
Client Id: MW-3 U
Data File: 3G68992.D
Analysis Date: 07/31/12 11:14
Date Rec/Extracted: 07/25/12-07/30/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082
Matrix: Aqueous
Initial Vol: 950ml
Final Vol: 5ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.26	U	11097-69-1	Aroclor-1254	0.26	U
11104-28-2	Aroclor-1221	0.26	U	11096-82-5	Aroclor-1260	0.26	U
11141-16-5	Aroclor-1232	0.26	U	37324-23-5	Aroclor-1262	0.26	U
53469-21-9	Aroclor-1242	0.26	U	11100-14-4	Aroclor-1268	0.26	U
12672-29-6	Aroclor-1248	0.26	U	1336-36-3	Aroclor (Total)	0.26	U

Worksheet #: 235614

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

2072508 0211

Data Path : G:\Gcdata\2012\GC_3\Data\07-31-12\
Data File : 3G68992.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 31 Jul 2012 11:14
Operator : MS/JP
Sample : AC67271-005
Misc : A,PCB
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 31 13:23:18 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0729.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Fri Jul 20 09:39:58 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

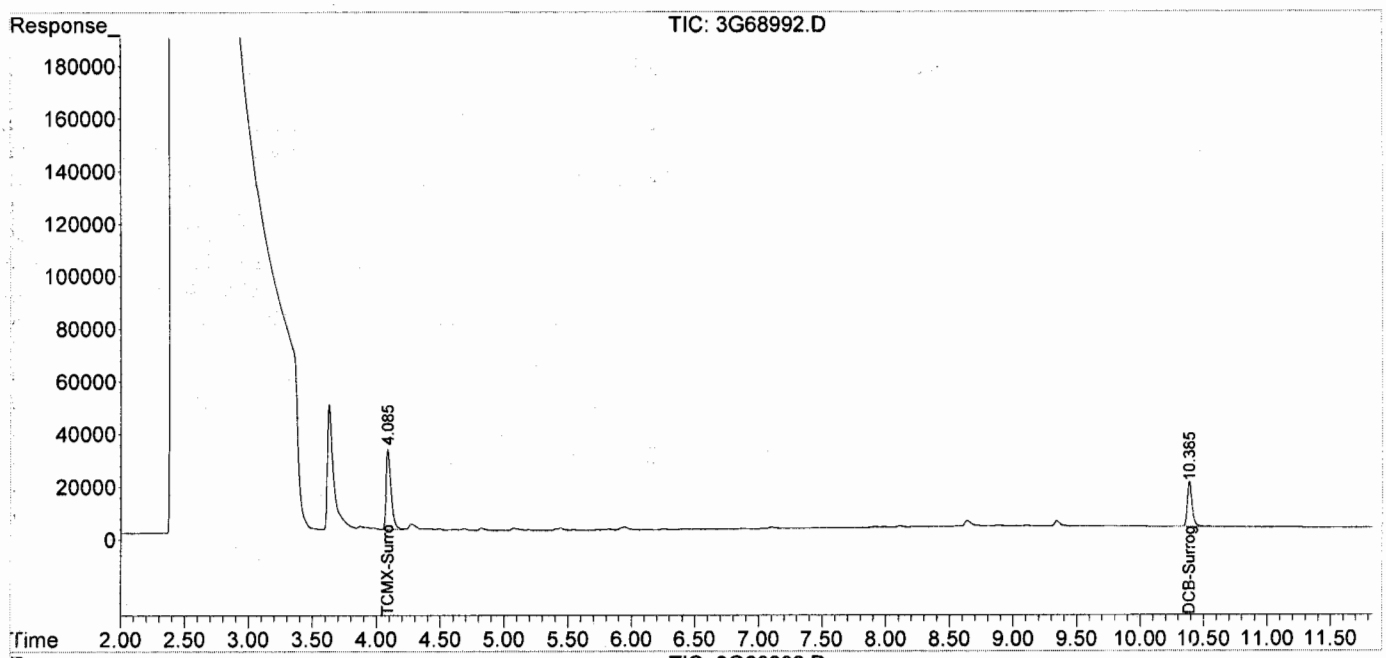
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	4.085	3.988	823452	1509955	83.495m	81.655m
45)	DCB-Surrogate	10.386	10.816	445823	875322	48.682	48.974

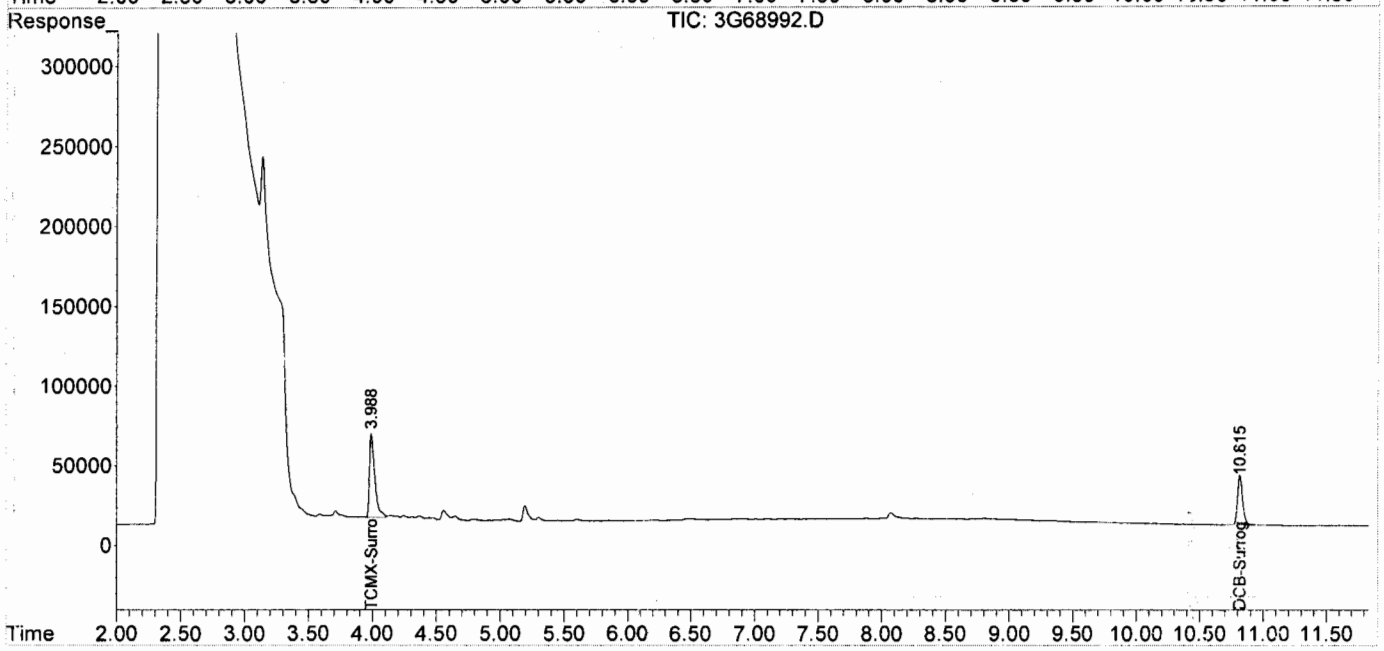
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2012\GC_3\Data\07-31-12\
Data File : 3G68992.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 31 Jul 2012 11:14
Operator : MS/JP
Sample : AC67271-005
Misc : A,PCB
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 31 13:23:18 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0729.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Fri Jul 20 09:39:58 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Form1

ORGANICS PCB REPORT

Sample Number: AC67271-007(R)
Client Id: MW-3 DUPLICATE U
Data File: 3G69037.D
Analysis Date: 08/01/12 10:47
Date Rec/Extracted: 07/25/12-07/31/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082
Matrix: Aqueous
Initial Vol: 770ml
Final Vol: 2.5ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.16	U	11097-69-1	Aroclor-1254	0.16	U
11104-28-2	Aroclor-1221	0.16	U	11096-82-5	Aroclor-1260	0.16	U
11141-16-5	Aroclor-1232	0.16	U	37324-23-5	Aroclor-1262	0.16	U
53469-21-9	Aroclor-1242	0.16	U	11100-14-4	Aroclor-1268	0.16	U
12672-29-6	Aroclor-1248	0.16	U	1336-36-3	Aroclor (Total)	0.16	U

Worksheet #: 235614

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

Quantitation Report (QT Reviewed)

2072508 0214

Data Path : G:\Gcdata\2012\GC_3\Data\08-01-12\
Data File : 3G69037.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 1 Aug 2012 10:47
Operator : MS
Sample : AC67271-007(R)
Misc : A,PCB
ALS Vial : 57 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Aug 01 11:07:31 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0729.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Fri Jul 20 09:39:58 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	4.084	3.987	584332	1060793	59.249m	57.365m
45)	DCB-Surrogate	10.387	10.816	590354	1147342	64.464	64.194

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

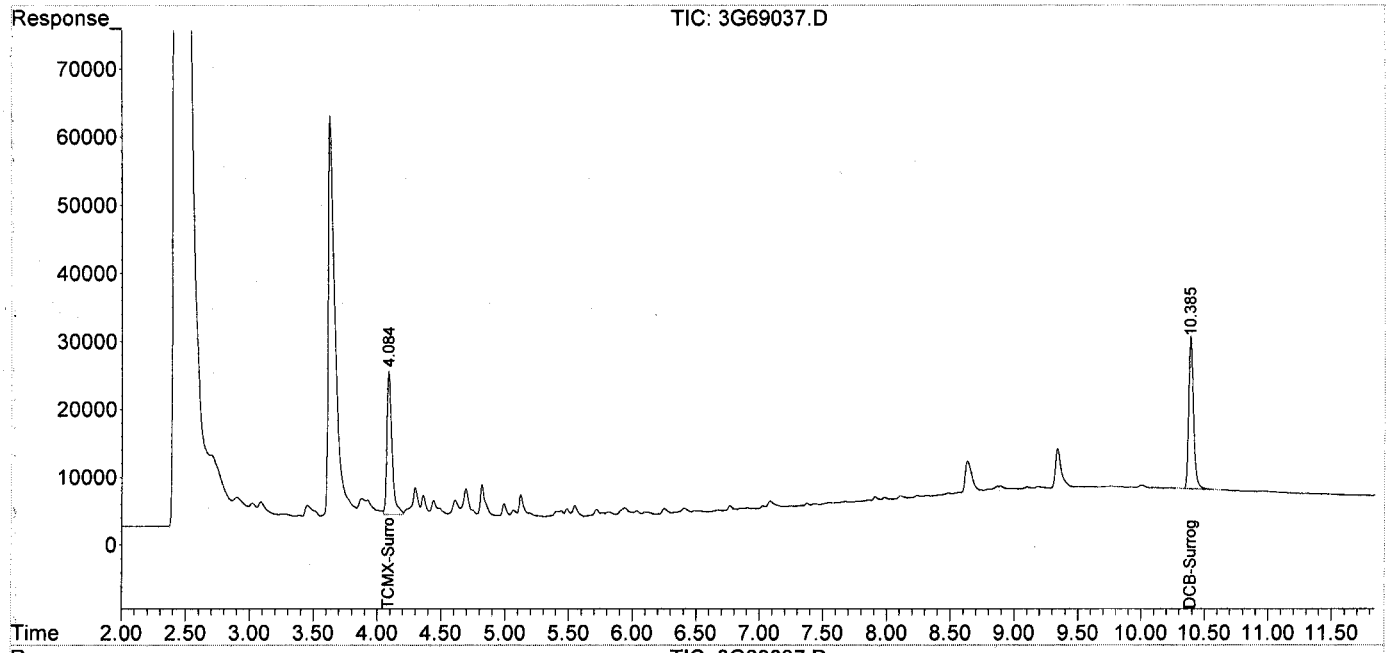
Quantitation Report (QT Reviewed)

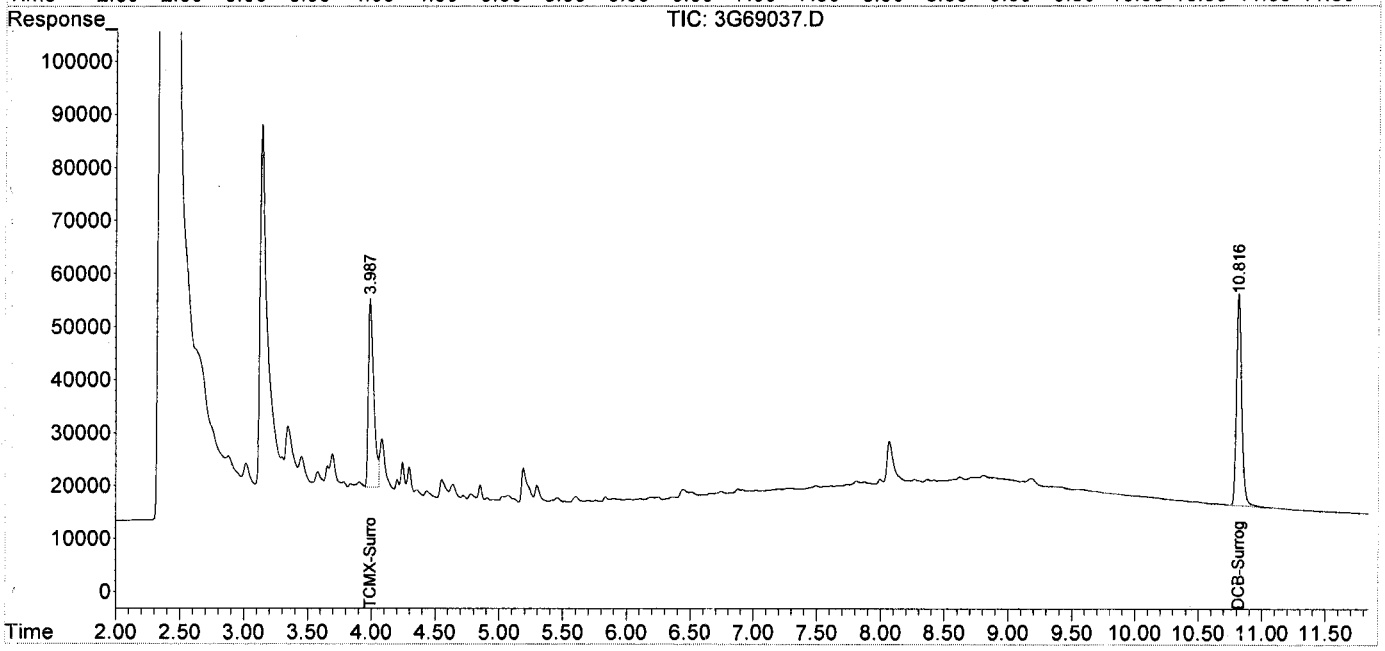
2072508 0215

Data Path : G:\Gcdata\2012\GC_3\Data\08-01-12\
Data File : 3G69037.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 1 Aug 2012 10:47
Operator : MS
Sample : AC67271-007(R)
Misc : A,PCB
ALS Vial : 57 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Aug 01 11:07:31 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0729.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Fri Jul 20 09:39:58 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Form1

ORGANICS PCB REPORT

Sample Number: AC67271-009
Client Id: MW-4 U
Data File: 3G68994.D
Analysis Date: 07/31/12 11:43
Date Rec/Extracted: 07/25/12-07/30/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082
Matrix: Aqueous
Initial Vol: 960ml
Final Vol: 5ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.26	U	11097-69-1	Aroclor-1254	0.26	U
11104-28-2	Aroclor-1221	0.26	U	11096-82-5	Aroclor-1260	0.26	U
11141-16-5	Aroclor-1232	0.26	U	37324-23-5	Aroclor-1262	0.26	U
53469-21-9	Aroclor-1242	0.26	U	11100-14-4	Aroclor-1268	0.26	U
12672-29-6	Aroclor-1248	0.26	U	1336-36-3	Aroclor (Total)	0.26	U

Worksheet #: 235614

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

2072508 0217

Data Path : G:\Gcdata\2012\GC_3\Data\07-31-12\
Data File : 3G68994.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 31 Jul 2012 11:43
Operator : MS/JP
Sample : AC67271-009
Misc : A,PCB
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 31 13:24:16 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0729.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Fri Jul 20 09:39:58 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	4.083	3.986	821352	1462483	83.282m	79.088m
45)	DCB-Surrogate	10.384	10.815	992808	1928696	108.410m	107.911m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

B

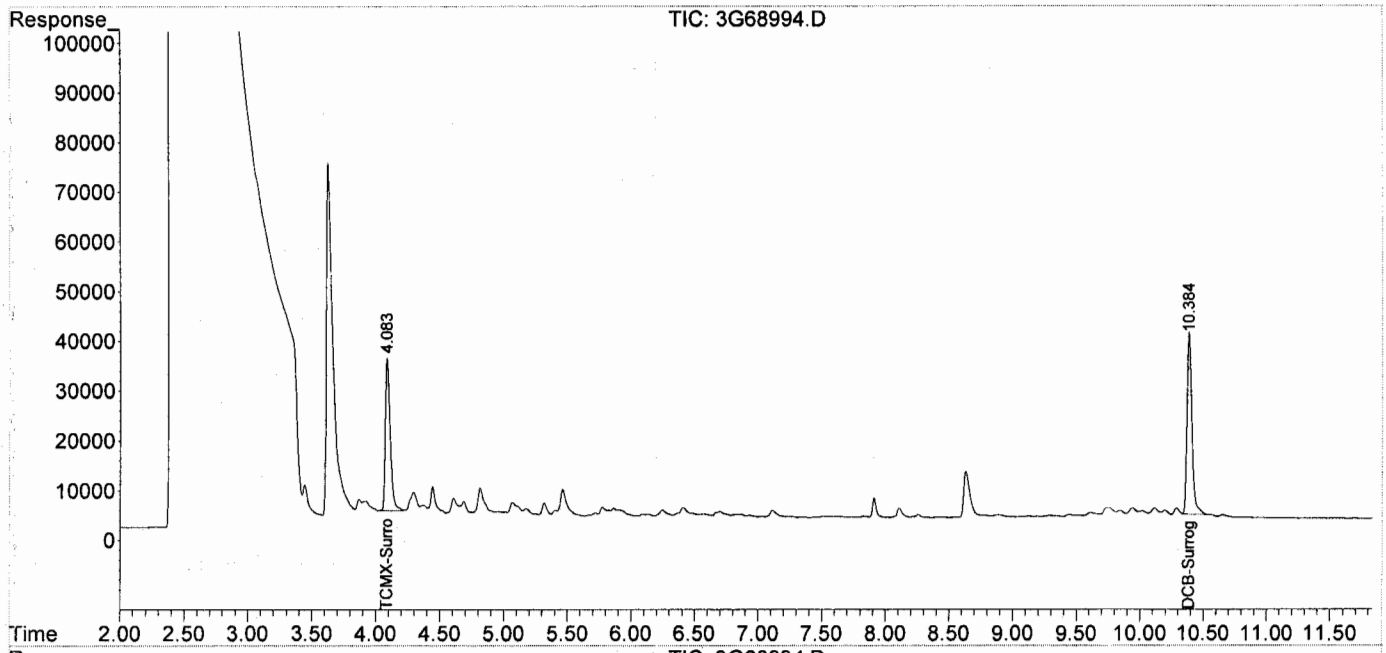
Quantitation Report (QT Reviewed)

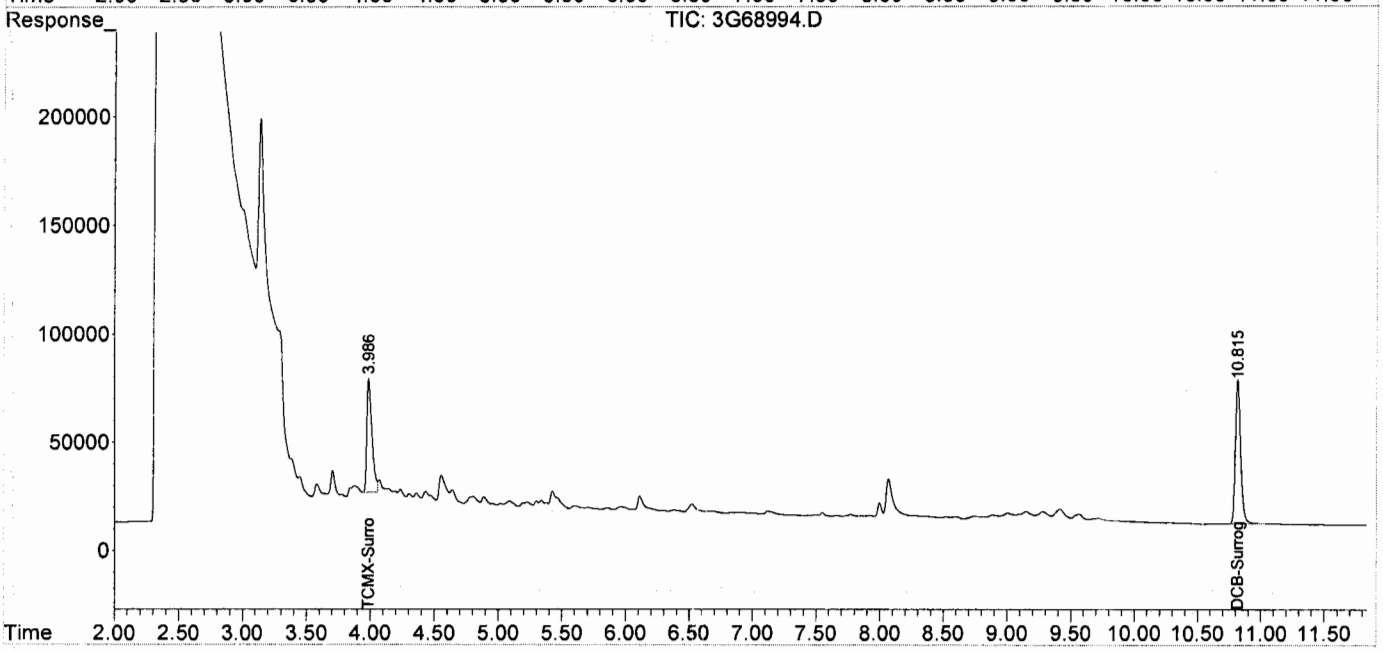
2072508 0218

Data Path : G:\Gcdata\2012\GC_3\Data\07-31-12\
Data File : 3G68994.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 31 Jul 2012 11:43
Operator : MS/JP
Sample : AC67271-009
Misc : A,PCB
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 31 13:24:16 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0729.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Fri Jul 20 09:39:58 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Form1

ORGANICS PCB REPORT

Sample Number: AC67271-012
Client Id: FIELD BLANK U
Data File: 3G68995.D
Analysis Date: 07/31/12 11:58
Date Rec/Extracted: 07/25/12-07/30/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082
Matrix: Aqueous
Initial Vol: 980ml
Final Vol: 5ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.26	U	11097-69-1	Aroclor-1254	0.26	U
11104-28-2	Aroclor-1221	0.26	U	11096-82-5	Aroclor-1260	0.26	U
11141-16-5	Aroclor-1232	0.26	U	37324-23-5	Aroclor-1262	0.26	U
53469-21-9	Aroclor-1242	0.26	U	11100-14-4	Aroclor-1268	0.26	U
12672-29-6	Aroclor-1248	0.26	U	1336-36-3	Aroclor (Total)	0.26	U

Worksheet #: 235614

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

2072508 0220

Data Path : G:\Gcdata\2012\GC_3\Data\07-31-12\
Data File : 3G68995.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 31 Jul 2012 11:58
Operator : MS/JP
Sample : AC67271-012
Misc : A,PCB
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 31 13:24:32 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0729.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Fri Jul 20 09:39:58 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	4.087	3.990	1362298	2435470	138.133	131.705
45)	DCB-Surrogate	10.386	10.815	621793	1240892	67.897	69.428

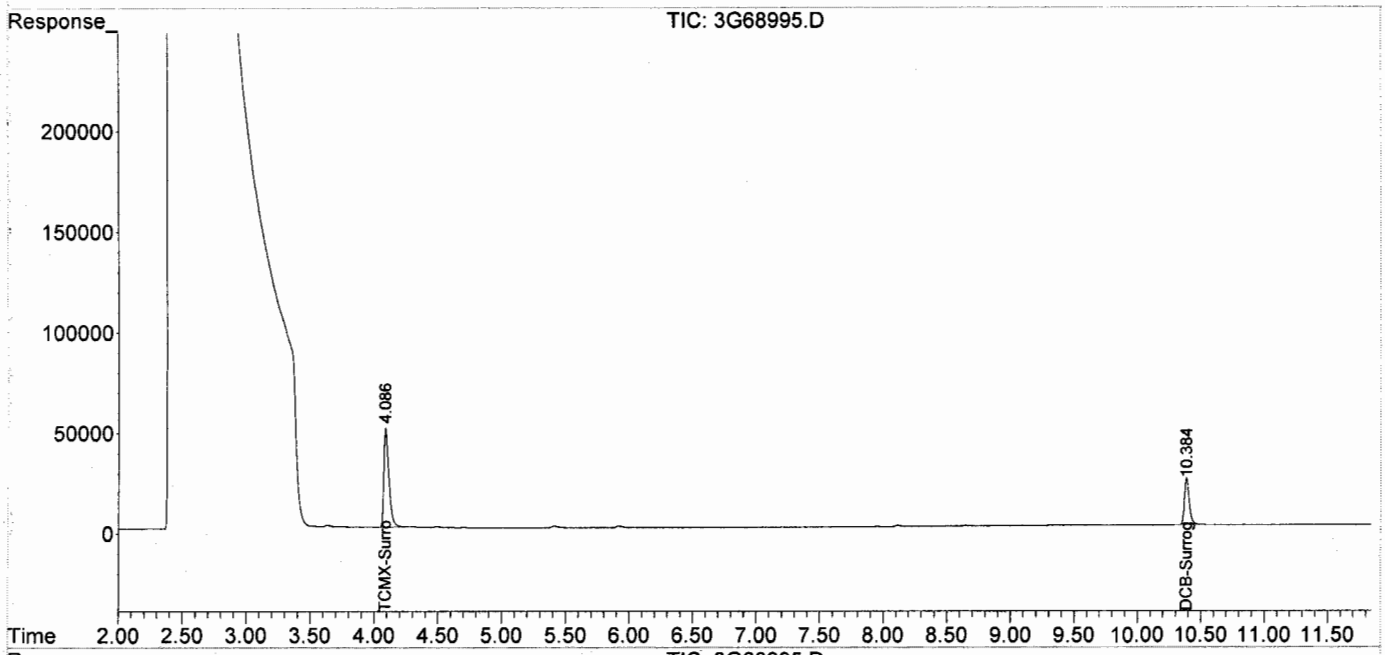
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

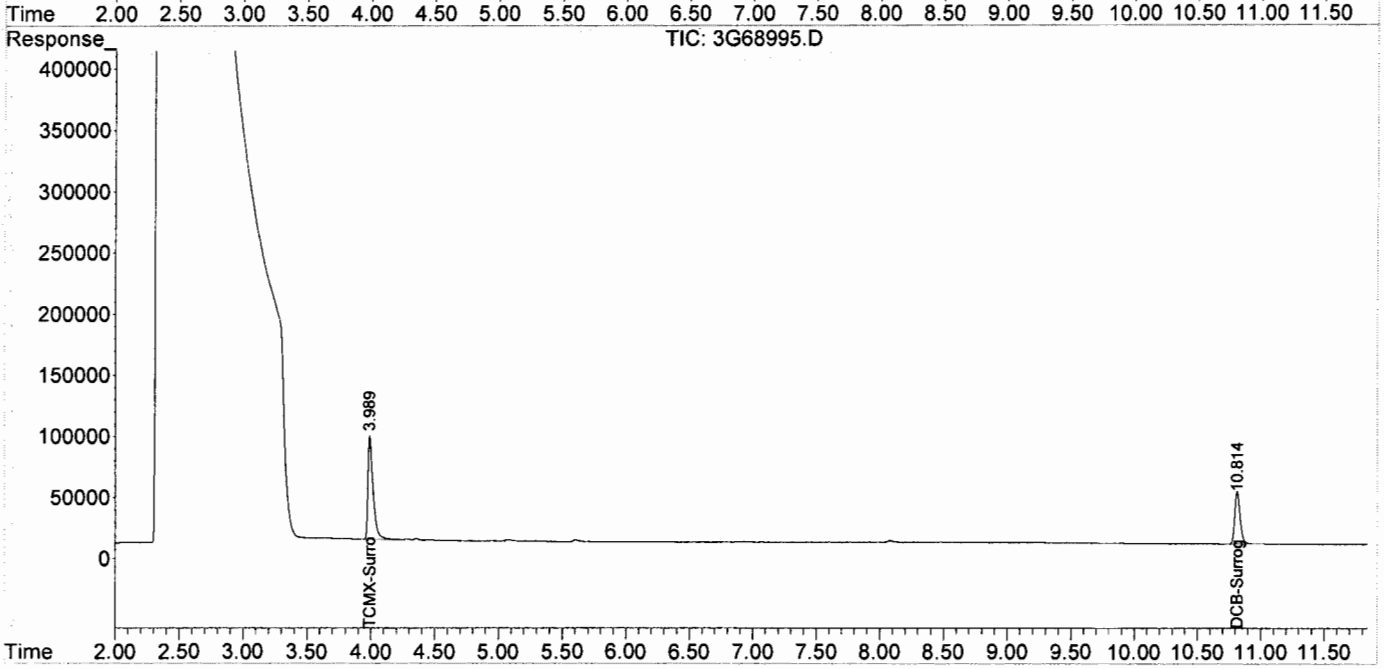
AG

Data Path : G:\Gcdata\2012\GC_3\Data\07-31-12\
Data File : 3G68995.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 31 Jul 2012 11:58
Operator : MS/JP
Sample : AC67271-012
Misc : A,PCB
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 31 13:24:32 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0729.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Fri Jul 20 09:39:58 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Form1

ORGANICS PCB REPORT

Sample Number: WMB14958
Client Id:
Data File: 3G68965.D
Analysis Date: 07/30/12 15:50
Date Rec/Extracted: NA-07/30/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 5ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.25	U	11097-69-1	Aroclor-1254	0.25	U
11104-28-2	Aroclor-1221	0.25	U	11096-82-5	Aroclor-1260	0.25	U
11141-16-5	Aroclor-1232	0.25	U	37324-23-5	Aroclor-1262	0.25	U
53469-21-9	Aroclor-1242	0.25	U	11100-14-4	Aroclor-1268	0.25	U
12672-29-6	Aroclor-1248	0.25	U				

Worksheet #: 235614

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

Quantitation Report (QT Reviewed)

2072508 0223

Data Path : G:\Gcdata\2012\GC_3\Data\07-30-12\
Data File : 3G68965.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Jul 2012 15:50
Operator : MS/JP
Sample : WMB14958
Misc : A,PCB
ALS Vial : 54 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 31 09:34:35 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0729.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Fri Jul 20 09:39:58 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	4.089	3.988	878929	1644347	89.121	88.923
45)DCB-Surrogate	10.394	10.817	748705	1505592	81.755	84.238

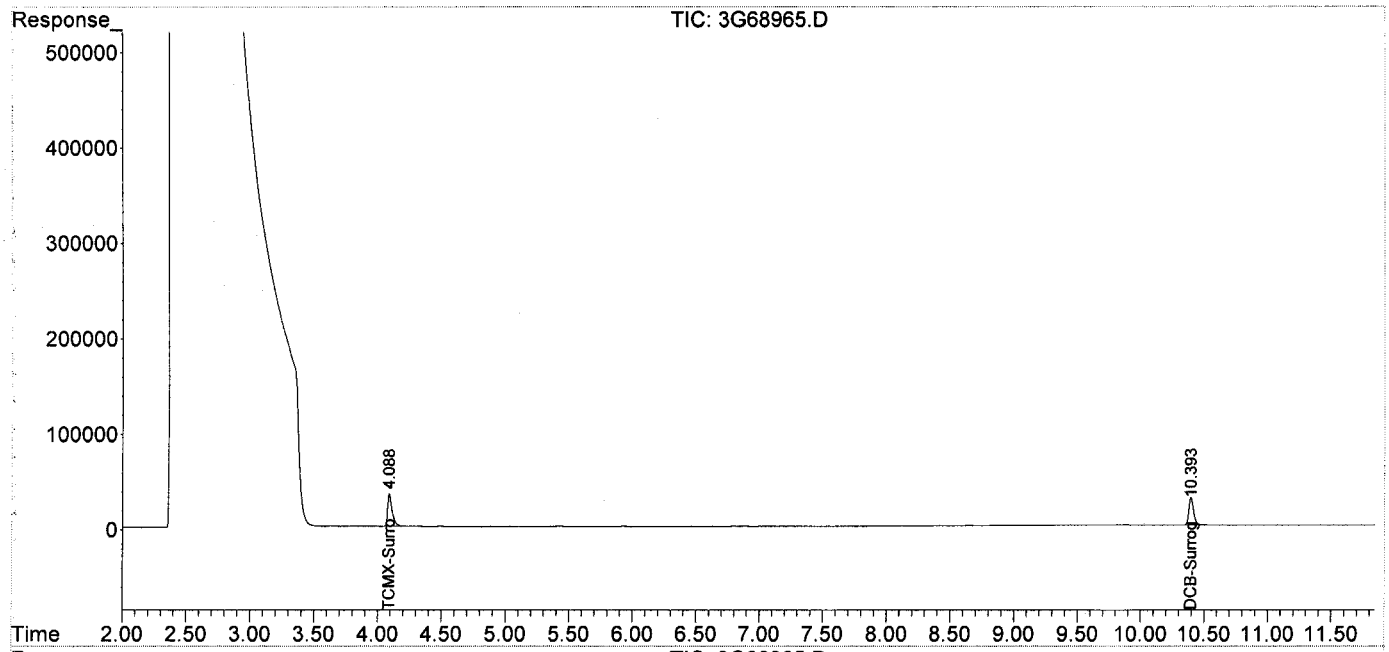
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

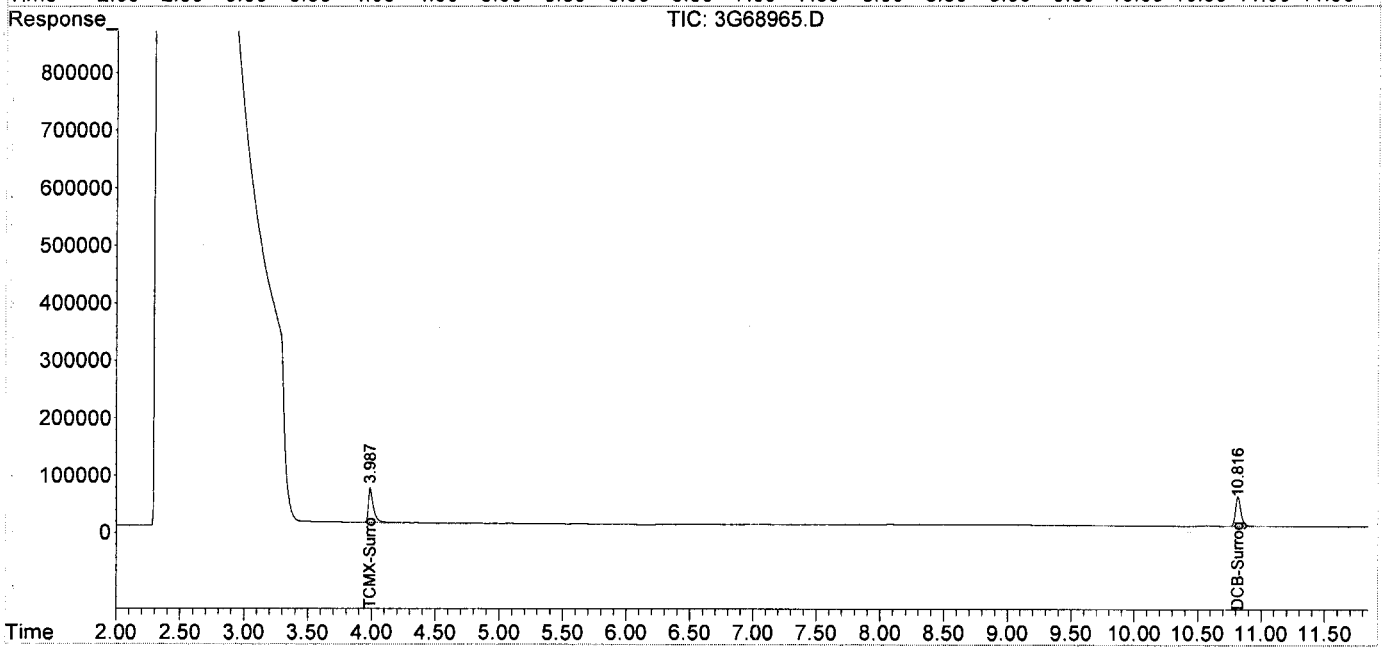
AB

Data Path : G:\Gcdata\2012\GC_3\Data\07-30-12\
Data File : 3G68965.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Jul 2012 15:50
Operator : MS/JP
Sample : WMB14958
Misc : A,PCB
ALS Vial : 54 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 31 09:34:35 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0729.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Fri Jul 20 09:39:58 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Form1

ORGANICS PCB REPORT

Sample Number: WMB14974
Client Id:
Data File: 3G69026.D
Analysis Date: 08/01/12 08:03
Date Rec/Extracted: NA-07/31/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 5ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.25	U	11097-69-1	Aroclor-1254	0.25	U
11104-28-2	Aroclor-1221	0.25	U	11096-82-5	Aroclor-1260	0.25	U
11141-16-5	Aroclor-1232	0.25	U	37324-23-5	Aroclor-1262	0.25	U
53469-21-9	Aroclor-1242	0.25	U	11100-14-4	Aroclor-1268	0.25	U
12672-29-6	Aroclor-1248	0.25	U				

Worksheet #: 235614

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

Quantitation Report (QT Reviewed)

2072508 0226

Data Path : G:\Gcdata\2012\GC_3\Data\08-01-12\
Data File : 3G69026.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 1 Aug 2012 8:03
Operator : MS
Sample : WMB14974
Misc : A,PCB
ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Aug 01 09:38:06 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0729.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Fri Jul 20 09:39:58 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

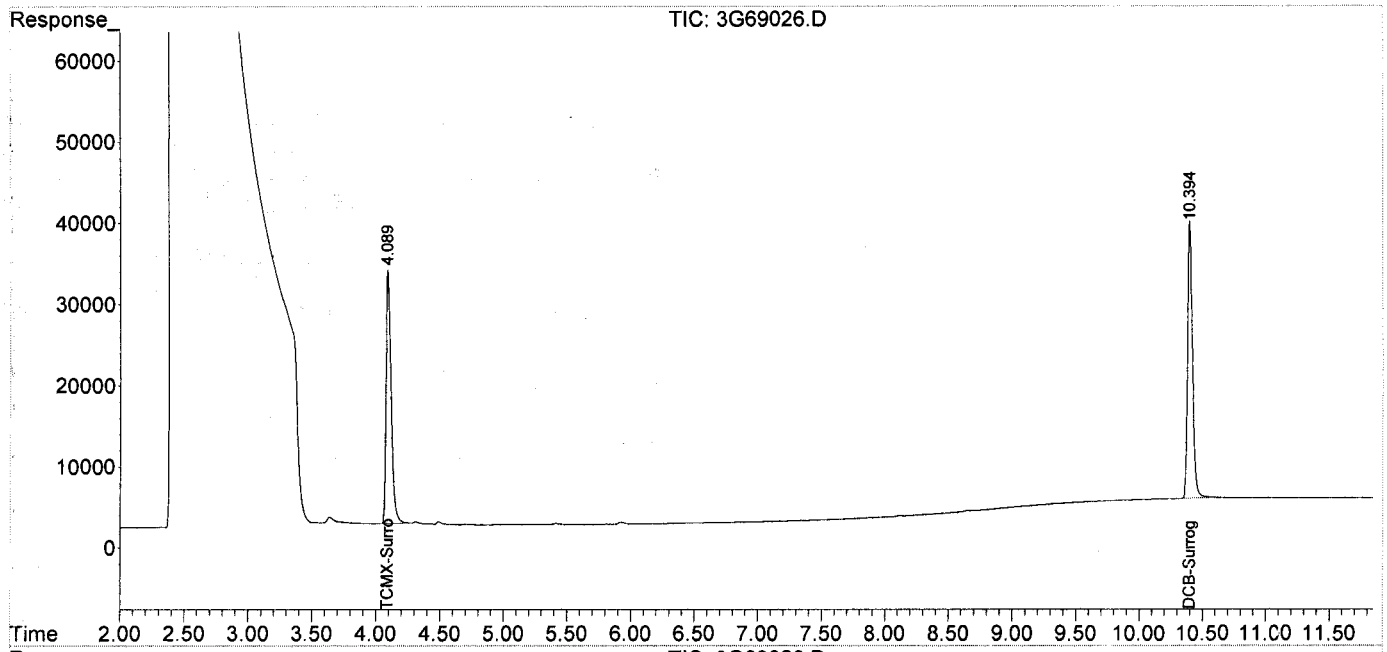
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	4.091	3.991	854241	1664154	86.617	89.994
45)	DCB-Surrogate	10.394	10.819	910842	1911018	99.460m	106.922

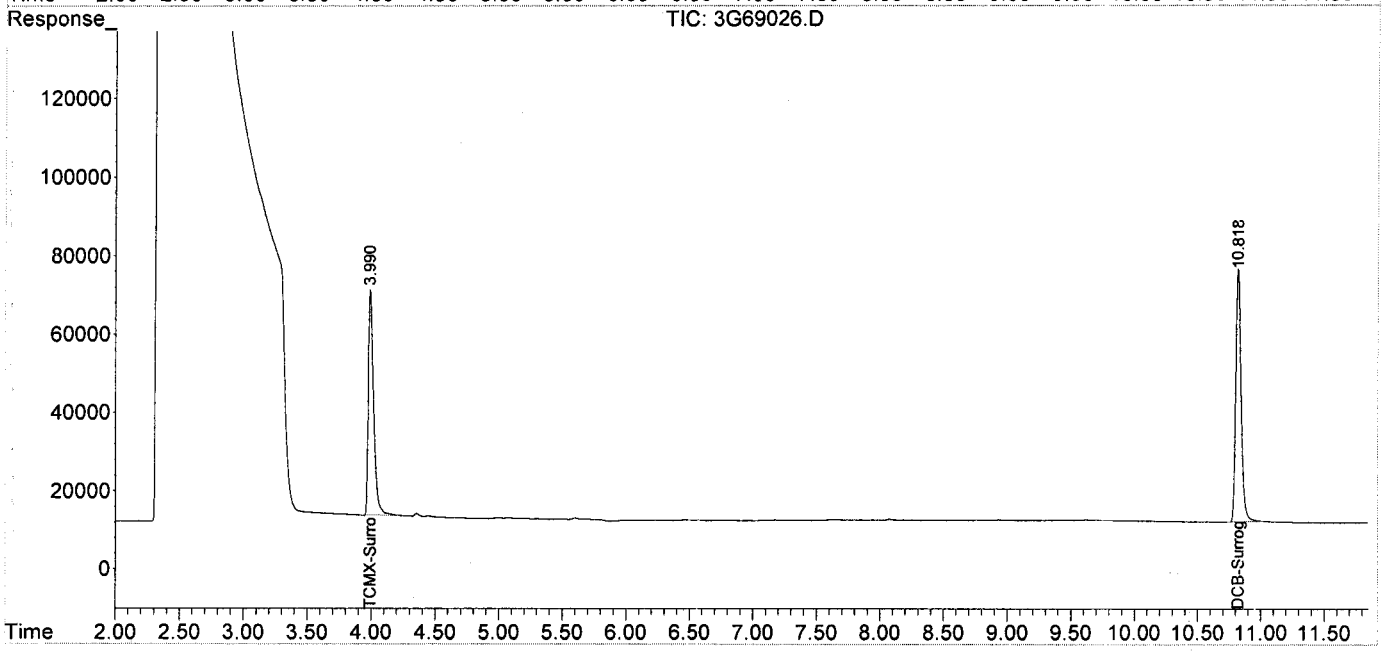
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2012\GC_3\Data\08-01-12\
Data File : 3G69026.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 1 Aug 2012 8:03
Operator : MS
Sample : WMB14974
Misc : A,PCB
ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Aug 01 09:38:06 2012
Quant Method : G:\GCDATA\2012\GC_3\METHODQT\3G_C0729.M
Quant Title : @GC_3,ug,608,8082
QLast Update : Fri Jul 20 09:39:58 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





FORM2

Surrogate Recovery

Method: EPA 8082

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column2 S2 Recov	Column1 S3 Recov	Column2 S4 Recov	Column0 S5 Recov	Column0 S6 Recov
3G68965.D	WMB14958	Aqueous	07/30/12 15:50	1		89	89	82	84		
3G69026.D	WMB14974	Aqueous	08/01/12 08:03	1		87	90	99	107		
3G68990.D	AC67271-001	Aqueous	07/31/12 10:44	1		67	62	94	94		
3G68991.D	AC67271-003	Aqueous	07/31/12 10:59	1		70	63	100	100		
3G68992.D	AC67271-005	Aqueous	07/31/12 11:14	1		84	82	49	49		
3G69037.D	AC67271-007(	Aqueous	08/01/12 10:47	1		59	57	64	64		
3G68994.D	AC67271-009	Aqueous	07/31/12 11:43	1		83	79	108	108		
3G68995.D	AC67271-012	Aqueous	07/31/12 11:58	1		138 *	132	68	69		
2G75273.D	WMB14958(M	Aqueous	08/02/12 13:31	1		85	78	70	74		
2G75274.D	AC67271-001(	Aqueous	08/02/12 13:47	1		62	61	74	76		
2G75275.D	AC67271-001(	Aqueous	08/02/12 14:02	1		59	58	69	72		
3G69027.D	WMB14974(M	Aqueous	08/01/12 08:17	1		85	87	95	101		

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: EPA 8082

Aqueous Limits

Compound	Spike Amt	Limits
S1=TCMX-Surrogate	100	39-132
S2=TCMX-Surrogate	100	39-132
S3=DCB-Surrogate	100	39-142
S4=DCB-Surrogate	100	39-142

Form3
Recovery Data
QC Batch: WMB14958

	Data File	Sample ID:	Analysis Date
Spike or Dup:	2G75273.D	WMB14958(MS)	8/2/2012 1:31:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8082 Matrix: Aqueous QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Aroclor-1016 -Total	1	969.126	0	1000	97	60	130
Aroclor-1260 -Total	1	1002.56	0	1000	100	60	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: WMB14974

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3G69027.D	WMB14974(MS)	8/1/2012 8:17:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8082 Matrix: Aqueous QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Aroclor-1016 -Total	1	814.592	0	1000	81	60	130
Aroclor-1260 -Total	1	920.77	0	1000	92	60	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: WMB14958

	Data File	Sample ID:	Analysis Date
Spike or Dup:	2G75274.D	AC67271-001(MS)	8/2/2012 1:47:00 PM
Non Spike(If applicable):	3G68990.D	AC67271-001	7/31/2012 10:44:00 AM
Inst Blank(If applicable):			

Method: 8082 Matrix: Aqueous QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Aroclor-1016 -Total	1	999.658	0	1000	100	60	130
Aroclor-1260 -Total	1	1068.152	0	1000	107	60	130

	Data File	Sample ID:	Analysis Date
Spike or Dup:	2G75275.D	AC67271-001(MSD)	8/2/2012 2:02:00 PM
Non Spike(If applicable):	3G68990.D	AC67271-001	7/31/2012 10:44:00 AM
Inst Blank(If applicable):			

Method: 8082 Matrix: Aqueous QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Aroclor-1016 -Total	1	888.584	0	1000	89	60	130
Aroclor-1260 -Total	1	949.258	0	1000	95	60	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
RPD DATA
QC Batch: WMB14958

	Data File	Sample ID:	Analysis Date
Spike or Dup:	2G75275.D	AC67271-001(MSD)	8/2/2012 2:02:00 PM
Duplicate(If applicable):	2G75274.D	AC67271-001(MS)	8/2/2012 1:47:00 PM
Inst Blank(If applicable):			

Method: 8082 Matrix: Aqueous QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Aroclor-1016 -Total	1	888.584	999.658	12	24
Aroclor-1260 -Total	1	949.258	1068.152	12	19

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

FORM 4
Blank Summary

Blank Number: WMB14958
Blank Data File: 3G68965.D
Matrix: Aqueous

Blank Analysis Date: 07/30/12 15:50
Blank Extraction Date: 07/30/12
(If Applicable)
Method: EPA 8082

Sample Number	Data File	Analysis Date
AC67271-001	3G68990.D	07/31/12 10:44
AC67271-003	3G68991.D	07/31/12 10:59
AC67271-005	3G68992.D	07/31/12 11:14
AC67271-009	3G68994.D	07/31/12 11:43
AC67271-012	3G68995.D	07/31/12 11:58
AC67271-001(MSD	2G75275.D	08/02/12 14:02
AC67271-001(MS)	2G75274.D	08/02/12 13:47
WMB14958(MS)	2G75273.D	08/02/12 13:31

FORM 4
Blank Summary

Blank Number: WMB14974
Blank Data File: 3G69026.D
Matrix: Aqueous

Blank Analysis Date: 08/01/12 08:03
Blank Extraction Date: 07/31/12
(If Applicable)
Method: EPA 8082

Sample Number	Data File	Analysis Date
AC67271-007(R)	3G69037.D	08/01/12 10:47
WMB14974(MS)	3G69027.D	08/01/12 08:17

Form 5

Method: EPA 8082

Instrument: GC_3 Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Data File	Sample#	Analysis Date/Time	Matrix	Reference File	Column 1 RT	Column 1 % Drift	Column 2 RT	Column 2 % Drift
3G68600.D	500PPB	07/19/12 23:12	Aqueous					
3G68601.D	500PPB	07/19/12 23:28	Aqueous					
3G68602.D	500PPB	07/19/12 23:43	Aqueous					
3G68603.D	CAL 3268@500PPB	07/19/12 23:59	Aqueous	3G68608.	10.4025	0.0019	10.8228	0.0083
3G68604.D	CAL 1242@500PPB	07/20/12 00:15	Aqueous	3G68608.	10.4017	0.0096	10.8228	0.0083
3G68605.D	CAL 1248@500PPB	07/20/12 00:30	Aqueous	3G68608.	10.4004	0.0221	10.8227	0.0074
3G68606.D	CAL 2154@500PPB	07/20/12 00:46	Aqueous	3G68608.	10.4031	0.0038	10.8229	0.0092
3G68607.D	CAL 1262@500PPB	07/20/12 01:02	Aqueous	3G68608.	10.4031	0.0038	10.8239	0.0185
3G68608.D	CAL 1660@50PPB	07/20/12 01:18	Aqueous	3G68608.	10.4027	0	10.8219	0
3G68609.D	CAL 1660@200PPB	07/20/12 01:33	Aqueous	3G68608.	10.4028	0.001	10.8224	0.0046
3G68610.D	CAL 1660@500PPB	07/20/12 01:49	Aqueous	3G68608.	10.4023	0.0039	10.8234	0.0139
3G68611.D	CAL 1660@1000PPB	07/20/12 02:05	Aqueous	3G68608.	10.4034	0.0067	10.8254	0.0323
3G68612.D	CAL 1660@2000PPB	07/20/12 02:20	Aqueous	3G68608.	10.4030	0.0029	10.8239	0.0185
3G68613.D	CAL 1660@4000PPB	07/20/12 02:36	Aqueous	3G68608.	10.4022	0.0048	10.8233	0.0129
3G68614.D	ICV@1000PPB	07/20/12 02:52	Aqueous	3G68608.	10.4015	0.0115	10.8217	0.0019
3G68615.D	DDT CHECK STD	07/20/12 03:08	Aqueous	3G68608.	0.0000	200 *	0.0000	200 *
3G68616.D	WMB14869	07/20/12 03:23	Aqueous	3G68608.	10.4021	0.0058	10.8231	0.0111
3G68617.D	AC66967-005(MS)	07/20/12 03:39	Soil	3G68608.	10.4011	0.0154	10.8230	0.0102
3G68618.D	AC66967-005(MSD)	07/20/12 03:55	Soil	3G68608.	10.4021	0.0058	10.8240	0.0194
3G68619.D	SMB14872(MS)	07/20/12 04:10	Soil	3G68608.	10.4041	0.0135	10.8259	0.037
3G68620.D	SMB14873(MS)	07/20/12 04:26	Soil	3G68608.	10.4034	0.0067	10.8233	0.0129
3G68621.D	AC66967-001	07/20/12 04:42	Soil	3G68608.	10.4018	0.0087	10.8227	0.0074
3G68622.D	AC66967-003	07/20/12 04:58	Soil	3G68608.	10.4030	0.0029	10.8240	0.0194
3G68623.D	AC66967-005	07/20/12 05:13	Soil	3G68608.	10.4026	0.001	10.8245	0.024
3G68624.D	AC66967-006	07/20/12 05:29	Soil	3G68608.	10.4031	0.0038	10.8237	0.0166
3G68625.D	AC66967-014	07/20/12 05:45	Soil	3G68608.	10.4030	0.0029	10.8243	0.0222
3G68626.D	AC66967-015	07/20/12 06:01	Soil	3G68608.	10.4031	0.0038	10.8238	0.0176
3G68627.D	AC66967-017	07/20/12 06:16	Soil	3G68608.	10.4016	0.0106	10.8237	0.0166
3G68628.D	AC66967-018	07/20/12 06:31	Soil	3G68608.	10.4002	0.024	10.8220	0.0009
3G68629.D	AC67070-002	07/20/12 06:47	Soil	3G68608.	10.4023	0.0039	10.8238	0.0176
3G68630.D	AC67070-003	07/20/12 07:02	Soil	3G68608.	10.4013	0.0135	10.8237	0.0166
3G68631.D	AC67081-001	07/20/12 07:17	Soil	3G68608.	10.4008	0.0183	10.8230	0.0102
3G68632.D	AC67081-002	07/20/12 07:32	Soil	3G68608.	10.4018	0.0087	10.8234	0.0139
3G68633.D	CAL 1660@1000PPB	07/20/12 07:48	Soil	3G68608.	10.4016	0.0106	10.8233	0.0129
3G68634.D	2000PPB	07/20/12 08:03	Soil	3G68633.	10.4004	0.0115	10.8219	0.0129
3G68635.D	AC67081-003	07/20/12 08:18	Soil	3G68633.	10.4005	0.0106	10.8226	0.0065
3G68636.D	AC67081-004	07/20/12 08:34	Soil	3G68633.	10.4017	0.001	10.8238	0.0046
3G68637.D	AC67081-005	07/20/12 08:49	Soil	3G68633.	10.4017	0.001	10.8248	0.0139
3G68638.D	AC67081-006	07/20/12 09:04	Soil	3G68633.	10.4025	0.0087	10.8245	0.0111
3G68639.D	AC67066-001	07/20/12 09:20	Soil	3G68633.	10.4030	0.0135	10.8256	0.0212
3G68640.D	AC67066-002	07/20/12 09:35	Soil	3G68633.	10.4027	0.0106	10.8247	0.0129
3G68641.D	AC66967-002	07/20/12 09:50	Soil	3G68633.	10.4029	0.0125	10.8244	0.0102
3G68642.D	AC66967-004	07/20/12 10:06	Soil	3G68633.	10.4019	0.0029	10.8252	0.0176
3G68643.D	AC66967-016	07/20/12 10:21	Soil	3G68633.	10.4033	0.0163	10.8256	0.0212
3G68644.D	AC67070-001	07/20/12 10:36	Soil	3G68633.	10.4030	0.0135	10.8258	0.0231
3G68645.D	CAL 1660@2000PPB	07/20/12 10:52	Soil	3G68633.	10.4022	0.0058	10.8253	0.0185
3G68646.D	2000PPB	07/20/12 11:07	Soil	3G68645.	10.4029	0.0067	10.8258	0.0046
3G68647.D	MBS	07/20/12 11:22	Aqueous	3G68645.	10.4030	0.0077	10.8261	0.0074

Drift Compound: DCB-Surrogate Drift Limit(s): 0.5 (Pest/Pcb) 1.5(Herb/Tph) * - Values outside of limits for this column/run

Form 5

Method: EPA 8082

Instrument: GC_3

Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Data File	Sample#	Analysis Date/Time	Matrix	Reference File	Column 1 RT	Column 1 % Drift	Column 2 RT	Column 2 % Drift
3G68941.D	CAL 1660@500PPB	07/30/12 08:10	Soil	3G68941.	10.3959	0	10.8183	0
3G68942.D	SMB14949	07/30/12 08:25	Soil	3G68941.	10.3903	0.0539	10.8173	0.0092
3G68943.D	SMB14949(MS)	07/30/12 08:40	Soil	3G68941.	10.3887	0.0693	10.8165	0.0166
3G68944.D	AC67316-015	07/30/12 08:55	Soil	3G68941.	10.3882	0.0741	10.8181	0.0019
3G68945.D	AC67316-015(MS)	07/30/12 09:11	Soil	3G68941.	10.3886	0.0702	10.8183	0
3G68946.D	AC67316-015(MSD)	07/30/12 09:26	Soil	3G68941.	10.3896	0.0606	10.8177	0.0055
3G68947.D	AC67316-001	07/30/12 09:41	Soil	3G68941.	10.3897	0.0597	10.8182	0.0009
3G68948.D	AC67316-002	07/30/12 09:56	Soil	3G68941.	10.3875	0.0808	10.8177	0.0055
3G68949.D	AC67316-003	07/30/12 10:12	Soil	3G68941.	10.3874	0.0818	10.8178	0.0046
3G68950.D	AC67316-004	07/30/12 10:27	Soil	3G68941.	10.3880	0.076	10.8175	0.0074
3G68951.D	AC67316-005	07/30/12 10:54	Soil	3G68941.	10.3936	0.0221	10.8192	0.0083
3G68952.D	AC67316-006	07/30/12 11:09	Soil	3G68941.	10.3887	0.0693	10.8172	0.0102
3G68953.D	AC67316-007	07/30/12 11:24	Soil	3G68941.	10.3875	0.0808	10.8159	0.0222
3G68954.D	AC67316-008	07/30/12 11:39	Soil	3G68941.	10.3887	0.0693	10.8177	0.0055
3G68955.D	AC67316-009	07/30/12 11:54	Soil	3G68941.	10.3875	0.0808	10.8162	0.0194
3G68956.D	CAL 1660@1000PPB	07/30/12 12:24	Soil	3G68941.	10.3937	0.0212	10.8186	0.0028
3G68957.D	AC67316-012(10X)	07/30/12 12:45	Soil	3G68956.	10.3934	0.0029	10.8171	0.0139
3G68958.D	1000PPB	07/30/12 13:01	Soil	3G68956.	10.3872	0.0626	10.8156	0.0277
3G68959.D	SMB14954	07/30/12 13:17	Soil	3G68956.	10.3883	0.052	10.8161	0.0231
3G68960.D	SMB14954(MS)	07/30/12 13:33	Soil	3G68956.	10.3866	0.0683	10.8159	0.025
3G68961.D	AC67279-001	07/30/12 13:49	Soil	3G68956.	10.3905	0.0308	10.8189	0.0028
3G68962.D	AC67279-001	07/30/12 14:04	Soil	3G68956.	10.3902	0.0337	10.8189	0.0028
3G68963.D	CAL 1660@1000PPB	07/30/12 14:20	Soil	3G68956.	10.3884	0.051	10.8170	0.0148
3G68964.D	AC67152-001	07/30/12 14:38	Soil	3G68963.	10.3923	0.0375	10.8188	0.0166
3G68965.D	WMB14958	07/30/12 15:50	Aqueous	3G68963.	10.3941	0.0549	10.8171	0.0009
3G68966.D	MBS	07/30/12 16:14	Aqueous	3G68963.	10.3928	0.0423	10.8167	0.0028
3G68967.D	67271-001(MS)	07/30/12 16:29	Aqueous	3G68963.	10.3864	0.0193	10.8158	0.0111
3G68968.D	67271-001(MSD)	07/30/12 16:44	Aqueous	3G68963.	10.3860	0.0231	10.8148	0.0203
3G68969.D	AC67152-001(MS)	07/30/12 16:59	Soil	3G68963.	10.3858	0.025	10.8165	0.0046
3G68970.D	AC67152-001(MSD)	07/30/12 17:15	Soil	3G68963.	10.3879	0.0048	10.8176	0.0055
3G68971.D	AC67118-001	07/30/12 17:30	Soil	3G68963.	10.3924	0.0385	10.8197	0.025
3G68972.D	AC67118-011	07/30/12 17:45	Soil	3G68963.	10.3909	0.0241	10.8196	0.024
3G68973.D	AC67152-005	07/30/12 18:00	Soil	3G68963.	10.3897	0.0125	10.8194	0.0222
3G68974.D	AC67152-006	07/30/12 18:16	Soil	3G68963.	10.3889	0.0048	10.8177	0.0065
3G68975.D	AC67106-001	07/30/12 18:31	Soil	3G68963.	10.3961	0.0741	10.8222	0.0481
3G68976.D	AC67106-002	07/30/12 18:46	Soil	3G68963.	10.3957	0.0702	10.8222	0.0481
3G68977.D	AC67250-006	07/30/12 19:02	Soil	3G68963.	10.3895	0.0106	10.8185	0.0139
3G68978.D	SMB14959	07/30/12 19:17	OIL/OTHER	3G68963.	10.3891	0.0067	10.8170	0
3G68979.D	CAL 1660@1000PPB	07/30/12 19:32	OIL/OTHER	3G68963.	10.3877	0.0067	10.8184	0.0129
3G68980.D	2000PPB	07/30/12 19:48	OIL/OTHER	3G68979.	10.3876	0.001	10.8175	0.0083

Drift Compound: DCB-Surrogate Drift Limit(s): 0.5 (Pest/Pcb) 1.5(Herb/Tph) * - Values outside of limits for this column/run

Form 5

Method: EPA 8082

Instrument: GC_3 Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Data File	Sample#	Analysis Date/Time	Matrix	Reference File	Column 1 RT	Column 1 % Drift	Column 2 RT	Column 2 % Drift
3G68981.D	CAL 1660@500PPB	07/31/12 07:55	Soil	3G68981.	10.3977	0	10.8206	0
3G68982.D	SMB14959(MS)	07/31/12 08:13	OIL/OTHER	3G68981.	10.3927	0.0481	10.8196	0.0092
3G68983.D	AC67299-002	07/31/12 08:27	OIL/OTHER	3G68981.	10.3928	0.0471	10.8201	0.0046
3G68984.D	AC67299-005	07/31/12 08:42	OIL/OTHER	3G68981.	10.3899	0.075	10.8177	0.0268
3G68985.D	AC67299-004	07/31/12 09:01	OIL/OTHER	3G68981.	10.3975	0.0019	10.8237	0.0286
3G68986.D	AC67299-005(MS)	07/31/12 09:16	OIL/OTHER	3G68981.	10.3915	0.0596	10.8204	0.0018
3G68987.D	AC67299-005(MSD)	07/31/12 09:30	OIL/OTHER	3G68981.	10.3917	0.0577	10.8211	0.0046
3G68988.D	AC67152-002	07/31/12 09:45	Soil	3G68981.	10.3934	0.0414	10.8224	0.0166
3G68989.D	CAL 1660@500PPB	07/31/12 10:21	OIL/OTHER	3G68981.	10.3865	0.1078	10.8153	0.049
3G68990.D	AC67271-001	07/31/12 10:44	Aqueous	3G68989.	10.3920	0.0529	10.8172	0.0176
3G68991.D	AC67271-003	07/31/12 10:59	Aqueous	3G68989.	10.3857	0.0077	10.8155	0.0019
3G68992.D	AC67271-005	07/31/12 11:14	Aqueous	3G68989.	10.3864	0.001	10.8156	0.0028
3G68993.D	AC67271-007	07/31/12 11:29	Aqueous	3G68989.	10.3842	0.0221	10.8146	0.0065
3G68994.D	AC67271-009	07/31/12 11:43	Aqueous	3G68989.	10.3836	0.0279	10.8149	0.0037
3G68995.D	AC67271-012	07/31/12 11:58	Aqueous	3G68989.	10.3856	0.0087	10.8150	0.0028
3G68996.D	AC67299-001	07/31/12 12:13	Aqueous	3G68989.	10.3857	0.0077	10.8143	0.0093
3G68997.D	AC67311-004	07/31/12 12:28	Aqueous	3G68989.	10.3861	0.0039	10.8150	0.0028
3G68998.D	AC67299-003	07/31/12 12:43	Aqueous	3G68989.	10.3860	0.0048	10.8161	0.0074
3G68999.D	CAL 1660@500PPB	07/31/12 13:13	Aqueous	3G68989.	10.3952	0.0837	10.8187	0.0314
3G69000.D	AC67311-001	07/31/12 16:31	Soil	3G68999.	10.3952	0	10.8194	0.0065
3G69001.D	AC67311-002	07/31/12 16:46	Soil	3G68999.	10.3877	0.0722	10.8170	0.0157
3G69002.D	SMB14968	07/31/12 17:01	Soil	3G68999.	10.3864	0.0847	10.8162	0.0231
3G69003.D	SMB14968(MS)	07/31/12 17:51	Soil	3G68999.	10.3966	0.0135	10.8192	0.0046
3G69004.D	SMB14970	07/31/12 18:06	Soil	3G68999.	10.3863	0.0857	10.8160	0.025
3G69005.D	SMB14970(MS)	07/31/12 18:21	Soil	3G68999.	10.3872	0.077	10.8159	0.0259
3G69006.D	AC67152-004(MS)	07/31/12 18:36	Soil	3G68999.	10.3863	0.0857	10.8154	0.0305
3G69007.D	AC67152-004(MSD)	07/31/12 18:52	Soil	3G68999.	10.3875	0.0741	10.8168	0.0176
3G69008.D	AC67169-010	07/31/12 19:07	Soil	3G68999.	10.3891	0.0587	10.8185	0.0019
3G69009.D	AC67204-006	07/31/12 19:22	Soil	3G68999.	10.3898	0.052	10.8173	0.0129
3G69010.D	AC67204-009	07/31/12 19:38	Soil	3G68999.	10.3883	0.0664	10.8183	0.0037
3G69011.D	AC67204-012	07/31/12 19:53	Soil	3G68999.	10.3876	0.0731	10.8172	0.0139
3G69012.D	AC67204-014	07/31/12 20:08	Soil	3G68999.	10.3864	0.0847	10.8155	0.0296
3G69013.D	AC67204-017	07/31/12 20:23	Soil	3G68999.	10.3903	0.0471	10.8185	0.0019
3G69014.D	AC67314-001	07/31/12 20:39	Soil	3G68999.	10.3881	0.0683	10.8170	0.0157
3G69015.D	AC67152-003	07/31/12 20:54	Soil	3G68999.	10.3847	0.1011	10.8152	0.0324
3G69016.D	AC67152-004	07/31/12 21:10	Soil	3G68999.	10.3851	0.0972	10.8166	0.0194
3G69017.D	CAL 1660@1000PPB	07/31/12 21:25	Soil	3G68999.	10.3861	0.0876	10.8155	0.0296
3G69018.D	2000PPB	07/31/12 21:40	Soil	3G69017.	10.3860	0.001	10.8162	0.0065
3G69019.D	AC67204-015	07/31/12 21:55	Soil	3G69017.	10.4010	0.1434	10.8254	0.0915
3G69020.D	AC67152-007	07/31/12 22:11	Soil	3G69017.	10.3871	0.0096	10.8176	0.0194
3G69021.D	AC67152-008	07/31/12 22:26	Soil	3G69017.	10.3850	0.0106	10.8163	0.0074
3G69022.D	AC67152-009	07/31/12 22:41	Soil	3G69017.	10.3850	0.0106	10.8156	0.0009
3G69023.D	CAL 1660@1000PPB	07/31/12 22:56	Soil	3G69017.	10.3868	0.0067	10.8167	0.0111
3G69024.D	2000PPB	07/31/12 23:12	Soil	3G69023.	10.3878	0.0096	10.8173	0.0055

Drift Compound: DCB-Surrogate Drift Limit(s): 0.5 (Pest/Pcb) 1.5(Herb/Tph) * - Values outside of limits for this column/run

Form 5

Method: EPA 8082

Instrument: GC_3 Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Data File	Sample#	Analysis Date/Time	Matrix	Reference File	Column 1 RT	Column 1 % Drift	Column 2 RT	Column 2 % Drift
3G69025.D	CAL 1660@500PPB	08/01/12 07:40	Soil	3G69025.	10.3964	0	10.8194	0
3G69026.D	WMB14974	08/01/12 08:03	Aqueous	3G69025.	10.3935	0.0279	10.8188	0.0055
3G69027.D	WMB14974(MS)	08/01/12 08:17	Aqueous	3G69025.	10.3877	0.0837	10.8174	0.0185
3G69028.D	AC67183-007(T)(MS)	08/01/12 08:32	Aqueous	3G69025.	10.3863	0.0972	10.8155	0.036
3G69029.D	AC67183-007(T)(MSD)	08/01/12 08:47	Aqueous	3G69025.	10.3874	0.0866	10.8171	0.0213
3G69030.D	AC67183-007(T)	08/01/12 09:02	Aqueous	3G69025.	10.3862	0.0982	10.8157	0.0342
3G69031.D	AC67183-009(T)	08/01/12 09:18	Aqueous	3G69025.	10.3860	0.1001	10.8169	0.0231
3G69032.D	EF-SPLP-145827(7/27/1	08/01/12 09:32	Aqueous	3G69025.	10.3863	0.0972	10.8157	0.0342
3G69033.D	AC67332-002	08/01/12 09:47	Aqueous	3G69025.	10.3847	0.1126	10.8142	0.0481
3G69034.D	AC67363-001	08/01/12 10:02	Aqueous	3G69025.	10.3855	0.1049	10.8161	0.0305
3G69035.D	AC67363-002	08/01/12 10:17	Aqueous	3G69025.	10.3840	0.1193	10.8165	0.0268
3G69036.D	AC67363-003	08/01/12 10:32	Aqueous	3G69025.	10.3870	0.0905	10.8176	0.0166
3G69037.D	AC67271-007(R)	08/01/12 10:47	Aqueous	3G69025.	10.3865	0.0953	10.8165	0.0268
3G69038.D	AC67204-006	08/01/12 11:01	Soil	3G69025.	10.3888	0.0731	10.8182	0.0111
3G69039.D	AC67204-009(5X)	08/01/12 11:16	Soil	3G69025.	10.3874	0.0866	10.8163	0.0287
3G69040.D	AC67204-017(10X)	08/01/12 11:31	Soil	3G69025.	10.3872	0.0885	10.8153	0.0379
3G69041.D	AC67204-016(10X)	08/01/12 11:46	Soil	3G69025.	10.3943	0.0202	10.8214	0.0185
3G69042.D	AC67159-001(5X)	08/01/12 12:01	Soil	3G69025.	10.3910	0.052	10.8206	0.0111
3G69043.D	AC67159-003(5X)	08/01/12 12:16	Soil	3G69025.	10.3932	0.0308	10.8213	0.0176
3G69044.D	AC67159-001	08/01/12 12:36	Soil	3G69025.	10.4003	0.0375	10.8249	0.0508
3G69045.D	AC67159-003	08/01/12 12:50	Soil	3G69025.	10.3967	0.0029	10.8246	0.0481
3G69046.D	CAL 1660@1000PPB	08/01/12 13:23	Soil	3G69025.	10.3877	0.0837	10.8173	0.0194
3G69047.D	OMB14975	08/01/12 13:40	OIL/OTHER	3G69046.	10.3881	0.0038	10.8163	0.0092
3G69048.D	OMB14975(MS)	08/01/12 13:54	OIL/OTHER	3G69046.	10.3854	0.0221	10.8150	0.0213
3G69049.D	AC67204-016(1000X)	08/01/12 14:10	Soil	3G69046.	0.0000	200 *	0.0000	200 *
3G69050.D	AC67298-003	08/01/12 14:30	OIL/OTHER	3G69046.	10.3902	0.0241	10.8171	0.0019
3G69051.D	AC67298-004	08/01/12 14:45	OIL/OTHER	3G69046.	10.3971	0.0905	10.8228	0.0508
3G69052.D	AC67298-009	08/01/12 15:00	OIL/OTHER	3G69046.	10.3863	0.0135	10.8165	0.0074
3G69053.D	AC67298-012	08/01/12 15:16	OIL/OTHER	3G69046.	10.3846	0.0299	10.8144	0.0268
3G69054.D	CAL 1660@1000PPB	08/01/12 17:06	Soil	3G69046.	10.3945	0.0654	10.8183	0.0092
3G69055.D	SMB14982	08/01/12 17:22	OIL/OTHER	3G69054.	10.3872	0.0702	10.8151	0.0296
3G69056.D	SMB14982(MS)	08/01/12 17:37	OIL/OTHER	3G69054.	10.3852	0.0895	10.8143	0.037
3G69057.D	SMB14981	08/01/12 17:52	Soil	3G69054.	10.3845	0.0963	10.8143	0.037
3G69058.D	SMB14981(MS)	08/01/12 18:08	Soil	3G69054.	10.3847	0.0943	10.8136	0.0435
3G69059.D	AC67300-012(MS)	08/01/12 18:23	Soil	3G69054.	10.3846	0.0953	10.8152	0.0287
3G69060.D	AC67300-012(MSD)	08/01/12 18:38	Soil	3G69054.	10.3851	0.0905	10.8148	0.0324
3G69061.D	AC67300-006	08/01/12 18:54	Soil	3G69054.	10.3845	0.0963	10.8150	0.0305
3G69062.D	AC67300-007	08/01/12 19:09	Soil	3G69054.	10.3852	0.0895	10.8149	0.0314
3G69063.D	AC67300-008	08/01/12 19:24	Soil	3G69054.	10.3841	0.1001	10.8158	0.0231
3G69064.D	AC67300-010	08/01/12 19:40	Soil	3G69054.	10.3849	0.0924	10.8149	0.0314
3G69065.D	AC67300-012	08/01/12 19:55	Soil	3G69054.	10.3844	0.0972	10.8144	0.0361
3G69066.D	AC67300-011	08/01/12 20:10	Soil	3G69054.	10.3846	0.0953	10.8147	0.0333
3G69067.D	1000PPB	08/01/12 20:26	Soil	3G69054.	10.3851	0.0905	10.8148	0.0324
3G69068.D	CAL 1660@2000PPB	08/01/12 20:41	Soil	3G69054.	10.3852	0.0895	10.8151	0.0296
3G69069.D	AC67160-001	08/01/12 20:56	Soil	3G69068.	10.3928	0.0732	10.8213	0.0573
3G69070.D	AC67160-002	08/01/12 21:12	Soil	3G69068.	10.3949	0.0934	10.8213	0.0573
3G69071.D	AC67160-003	08/01/12 21:27	Soil	3G69068.	10.3885	0.0318	10.8176	0.0231
3G69072.D	AC67160-004	08/01/12 21:42	Soil	3G69068.	10.3934	0.0789	10.8216	0.0601
3G69073.D	AC67357-005	08/01/12 21:57	Soil	3G69068.	10.3910	0.0558	10.8204	0.049
3G69074.D	AC67357-006	08/01/12 22:13	Soil	3G69068.	10.3903	0.0491	10.8195	0.0407
3G69075.D	AC67357-007	08/01/12 22:28	Soil	3G69068.	10.3900	0.0462	10.8197	0.0425
3G69076.D	AC67357-008	08/01/12 22:43	Soil	3G69068.	10.3888	0.0347	10.8200	0.0453
3G69077.D	CAL 1660@1000PPB	08/01/12 22:59	Soil	3G69068.	10.3901	0.0472	10.8202	0.0471
3G69078.D	2000PPB	08/01/12 23:14	Soil	3G69077.	10.3889	0.0115	10.8186	0.0148

Drift Compound: DCB-Surrogate Drift Limit(s): 0.5 (Pest/Pcb) 1.5(Herb/Tph) * - Values outside of limits for this column/run

Form 5

Method: EPA 8082

Instrument: GC_2 Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Data File	Sample#	Analysis Date/Time	Matrix	Reference File	Column 1 RT	Column 1 % Drift	Column 2 RT	Column 2 % Drift
2G75237.D	TEST	08/01/12 08:18	Aqueous					
2G75238.D	TEST	08/01/12 08:48	Aqueous					
2G75239.D	CAL 1660@50PPB	08/01/12 09:03	Aqueous	2G75239.	10.5737	0	11.0875	0
2G75240.D	CAL 1660@200PPB	08/01/12 09:18	Aqueous	2G75239.	10.5727	0.0095	11.0865	0.009
2G75241.D	CAL 1660@500PPB	08/01/12 09:33	Aqueous	2G75239.	10.5718	0.018	11.0865	0.009
2G75242.D	CAL 1660@1000PPB	08/01/12 09:49	Aqueous	2G75239.	10.5691	0.0435	11.0841	0.0307
2G75243.D	CAL 1660@2000PPB	08/01/12 10:04	Aqueous	2G75239.	10.5684	0.0501	11.0840	0.0316
2G75244.D	CAL 1660@4000PPB	08/01/12 10:19	Aqueous	2G75239.	10.5665	0.0681	11.0834	0.037
2G75245.D	CAL 3268@500PPB	08/01/12 10:52	Aqueous	2G75239.	10.5738	0.0009	11.0886	0.0099
2G75246.D	CAL 1242@500PPB	08/01/12 11:07	Aqueous	2G75239.	10.5684	0.0501	11.0847	0.0253
2G75247.D	CAL 1248@500PPB	08/01/12 11:23	Aqueous	2G75239.	10.5669	0.0643	11.0834	0.037
2G75248.D	CAL 2154@500PPB	08/01/12 11:38	Aqueous	2G75239.	10.5673	0.0605	11.0840	0.0316
2G75249.D	CAL 1262@500PPB	08/01/12 11:53	Aqueous	2G75239.	10.5665	0.0681	11.0837	0.0343
2G75250.D	ICV	08/01/12 12:08	Aqueous	2G75239.	10.5643	0.0889	11.0828	0.0424
2G75256.D	1000PPB	08/01/12 14:28	Soil	2G75239.	10.5687	0.0473	11.0843	0.0289
2G75257.D	CAL 1660@1000PPB	08/01/12 14:46	Soil	2G75239.	10.5647	0.0852	11.0821	0.0487
2G75258.D	AC67122-001	08/01/12 15:03	Soil	2G75257.	10.5665	0.017	11.0858	0.0334
2G75259.D	AC67159-002	08/01/12 15:25	Soil	2G75257.	10.5682	0.0331	11.0864	0.0388
2G75260.D	AC67159-004	08/01/12 15:40	Soil	2G75257.	10.5651	0.0038	11.0831	0.009
2G75261.D	CAL 1660@1000PPB	08/01/12 16:05	Soil	2G75257.	10.5681	0.0322	11.0851	0.0271

Drift Compound: DCB-Surrogate Drift Limit(s): 0.5 (Pest/Pcb) 1.5(Herb/Tph) * - Values outside of limits for this column/run

Form 5

Method: EPA 8082

Instrument: GC_2 Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Data File	Sample#	Analysis Date/Time	Matrix	Reference File	Column 1 RT	Column 1 % Drift	Column 2 RT	Column 2 % Drift
2G75262.D	CAL 1660@500PPB	08/02/12 07:52	Soil	2G75262.	10.5757	0	11.0926	0
2G75263.D	AC67159-005	08/02/12 08:11	Soil	2G75262.	10.5730	0.0255	11.0923	0.0027
2G75264.D	AC67386-001	08/02/12 08:26	Soil	2G75262.	10.5871	0.1077	11.1037	0.1
2G75265.D	AC67386-002	08/02/12 08:41	Soil	2G75262.	10.5794	0.035	11.0983	0.0514
2G75266.D	AC67367-001	08/02/12 08:56	Soil	2G75262.	10.5776	0.018	11.0959	0.0297
2G75267.D	AC67298-010	08/02/12 09:15	OIL/OTHER	2G75262.	10.5718	0.0369	11.0915	0.0099
2G75268.D	AC67298-013	08/02/12 09:30	OIL/OTHER	2G75262.	10.5685	0.0681	11.0889	0.0334
2G75269.D	AC67367-001(50X)	08/02/12 09:45	Soil	2G75262.	0.0000	200 *	0.0000	200 *
2G75270.D	AC67159-004	08/02/12 10:01	Soil	2G75262.	10.5669	0.0832	11.0899	0.0243
2G75271.D	AC67386-002(2X)	08/02/12 10:20	Soil	2G75262.	10.5765	0.0076	11.0964	0.0343
2G75272.D	CAL 1660@1000PPB	08/02/12 10:45	Soil	2G75262.	10.5723	0.0322	11.0915	0.0099
2G75273.D	WMB14958(MS)	08/02/12 13:31	Aqueous	2G75272.	10.5732	0.0085	11.0931	0.0144
2G75274.D	AC67271-001(MS)	08/02/12 13:47	Aqueous	2G75272.	10.5674	0.0464	11.0896	0.0171
2G75275.D	AC67271-001(MSD)	08/02/12 14:02	Aqueous	2G75272.	10.5653	0.0662	11.0879	0.0325
2G75276.D	CAL 1660@1000PPB	08/02/12 14:34	Aqueous	2G75272.	10.5715	0.0076	11.0915	0
2G75277.D	SMB14997	08/02/12 15:18	Soil	2G75276.	10.5714	0.0009	11.0928	0.0117
2G75278.D	SMB14998	08/02/12 15:33	Soil	2G75276.	10.5647	0.0643	11.0884	0.028
2G75279.D	SMB14997(MS)	08/02/12 15:49	Soil	2G75276.	10.5631	0.0795	11.0873	0.0379
2G75280.D	SMB14998(MS)	08/02/12 16:04	Soil	2G75276.	10.5627	0.0833	11.0871	0.0397
2G75281.D	AC67204-015(10X)(R)	08/02/12 16:19	Soil	2G75276.	10.5644	0.0672	11.0883	0.0289
2G75282.D	CAL 1660@1000PPB	08/02/12 16:34	Soil	2G75276.	10.5616	0.0937	11.0863	0.0469

Drift Compound: DCB-Surrogate Drift Limit(s): 0.5 (Pest/Pcb) 1.5(Herb/Tph) * - Values outside of limits for this column/run

2072508 0241

Form 6
Initial Calibration

Method: EPA 8082

Instrument: GC_3

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	3G68608.	CAL 1660@50PPB	07/20/12 01:18	2	3G68609.	CAL 1660@200PPB	07/20/12 01:33
3	3G68610.	CAL 1660@500PPB	07/20/12 01:49	4	3G68611.	CAL 1660@1000PPB	07/20/12 02:05
5	3G68612.	CAL 1660@2000PPB	07/20/12 02:20	6	3G68613.	CAL 1660@4000PPB	07/20/12 02:36
7	3G68603.	CAL 3268@500PPB	07/19/12 23:59	8	3G68604.	CAL 1242@500PPB	07/20/12 00:15
9	3G68605.	CAL 1248@500PPB	07/20/12 00:30	10	3G68606.	CAL 2154@500PPB	07/20/12 00:46
11	3G68607.	CAL 1262@500PPB	07/20/12 01:02				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8
TCMX-Surrogate	1	0	Avg	0.9596	0.9411	0.9929	1.0032	1.0202	1.0001	----	----	0.986	4.09	1.00	1.00	3.0	5.00	20.00	50.00	100.0	200.0	400.0		
Aroclor-1016	1	1	Qua	0.0332	0.0290	0.0284	0.0262	0.0241	0.0222	----	----	0.0272	4.58	0.997	1.00	14	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1016	1	2	Qua	0.0613	0.0548	0.0519	0.0474	0.0438	0.0398	----	----	0.0499	4.95	0.997	1.00	16	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1016	1	3	Qua	0.1139	0.1039	0.1003	0.0928	0.0873	0.0808	----	----	0.0965	5.41	0.998	1.00	12	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1016	1	4	Avg	0.0494	0.0476	0.0465	0.0435	0.0412	0.0383	----	----	0.0445	5.55	0.998	1.00	9.5	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1016	1	5	Avg	0.0317	0.0316	0.0313	0.0299	0.0289	0.0273	----	----	0.0302	5.66	0.999	1.00	5.8	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1260	1	1	Qua	0.0660	0.0613	0.0582	0.0533	0.0497	0.0459	----	----	0.0558	7.28	0.998	1.00	13	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1260	1	2	Qua	0.0765	0.0707	0.0668	0.0610	0.0577	0.0538	----	----	0.0645	7.53	0.998	1.00	13	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1260	1	3	Avg	0.0271	0.0270	0.0270	0.0261	0.0259	0.0261	----	----	0.0266	8.02	1.00	1.00	2.1	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1260	1	4	Avg	0.0463	0.0450	0.0433	0.0410	0.0393	0.0376	----	----	0.0421	8.32	0.999	1.00	8.0	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1260	1	5	Avg	0.0681	0.0681	0.0672	0.0667	0.0649	0.0644	----	----	0.0666	9.04	1.00	1.00	2.4	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1221	1	1	Avg	----	----	----	----	----	----	----	----	0.0153	4.38	-1	-1	Lvl=10	500.0							
Aroclor-1221	1	2	Avg	----	----	----	----	----	----	----	----	0.00978	4.52	-1	-1	Lvl=10	500.0							
Aroclor-1221	1	3	Avg	----	----	----	----	----	----	----	----	0.0425	4.58	-1	-1	Lvl=10	500.0							
Aroclor-1232	1	1	Avg	----	----	----	----	----	----	----	----	0.0266	4.58	-1	-1	Lvl=7	500.0							
Aroclor-1232	1	2	Avg	----	----	----	----	----	----	----	----	0.0238	4.95	-1	-1	Lvl=7	500.0							
Aroclor-1232	1	3	Avg	----	----	----	----	----	----	----	----	0.0414	5.41	-1	-1	Lvl=7	500.0							
Aroclor-1232	1	4	Avg	----	----	----	----	----	----	----	----	0.0185	5.55	-1	-1	Lvl=7	500.0							
Aroclor-1232	1	5	Avg	----	----	----	----	----	----	----	----	0.0195	6.02	-1	-1	Lvl=7	500.0							
Aroclor-1242	1	1	Avg	----	----	----	----	----	----	----	----	0.0255	4.58	-1	-1	Lvl=8	500.0							
Aroclor-1242	1	2	Avg	----	----	----	----	----	----	----	----	0.0432	4.95	-1	-1	Lvl=8	500.0							
Aroclor-1242	1	3	Avg	----	----	----	----	----	----	----	----	0.0839	5.41	-1	-1	Lvl=8	500.0							
Aroclor-1242	1	4	Avg	----	----	----	----	----	----	----	----	0.0568	5.77	-1	-1	Lvl=8	500.0							
Aroclor-1242	1	5	Avg	----	----	----	----	----	----	----	----	0.0373	6.02	-1	-1	Lvl=8	500.0							
Aroclor-1248	1	1	Avg	----	----	----	----	----	----	----	----	0.0213	4.95	-1	-1	Lvl=9	500.0							
Aroclor-1248	1	2	Avg	----	----	----	----	----	----	----	----	0.0512	5.41	-1	-1	Lvl=9	500.0							
Aroclor-1248	1	3	Avg	----	----	----	----	----	----	----	----	0.0851	5.76	-1	-1	Lvl=9	500.0							
Aroclor-1248	1	4	Avg	----	----	----	----	----	----	----	----	0.0479	6.12	-1	-1	Lvl=9	500.0							
Aroclor-1248	1	5	Avg	----	----	----	----	----	----	----	----	0.0555	6.71	-1	-1	Lvl=9	500.0							
Aroclor-1254	1	1	Avg	----	----	----	----	----	----	----	----	0.0246	6.92	-1	-1	Lvl=10	500.0							
Aroclor-1254	1	2	Avg	----	----	----	----	----	----	----	----	0.0815	7.12	-1	-1	Lvl=10	500.0							
Aroclor-1254	1	3	Avg	----	----	----	----	----	----	----	----	0.0448	7.29	-1	-1	Lvl=10	500.0							
Aroclor-1254	1	4	Avg	----	----	----	----	----	----	----	----	0.0680	7.40	-1	-1	Lvl=10	500.0							
Aroclor-1254	1	5	Avg	----	----	----	----	----	----	----	----	0.0340	7.79	-1	-1	Lvl=10	500.0							
Aroclor-1262	1	1	Avg	----	----	----	----	----	----	----	----	0.0772	7.96	-1	-1	Lvl=11	500.0							
Aroclor-1262	1	2	Avg	----	----	----	----	----	----	----	----	0.0485	8.97	-1	-1	Lvl=11	500.0							

Avg Rsd Col 1: 8.90 Avg Rsd Col 2: 7.57

Flags

c - failed the initial calibration criteria(if applicable)

Note:

Col = Column Number
Mr = MultiPeak Analyte 0=single peak analyte..>0=multi peak analyte (i.e. pcb/chlordane etc..)
Fit = Indicates whehter Avg RF, Linear, or Quadratic Curve was used for compound.
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.

All Response Factors = Response Factors / 10000
Initial Calibration Criteria: either %RSD <=20 or Corr >= .995
Columns: Signal #1 db-1701 : Signal #2 db-608

^Lvl: These compounds use a single pt calibration as specified by the method. The file used to update this calibration point is listed in the header under level #

2072508 0242

Form 6
Initial Calibration

Method: EPA 8082

Instrument: GC_3

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	3G68608.	CAL 1660@50PPB	07/20/12 01:18	2	3G68609.	CAL 1660@200PPB	07/20/12 01:33
3	3G68610.	CAL 1660@500PPB	07/20/12 01:49	4	3G68611.	CAL 1660@1000PPB	07/20/12 02:05
5	3G68612.	CAL 1660@2000PPB	07/20/12 02:20	6	3G68613.	CAL 1660@4000PPB	07/20/12 02:36
7	3G68603.	CAL 3268@500PPB	07/19/12 23:59	8	3G68604.	CAL 1242@500PPB	07/20/12 00:15
9	3G68605.	CAL 1248@500PPB	07/20/12 00:30	10	3G68606.	CAL 2154@500PPB	07/20/12 00:46
11	3G68607.	CAL 1262@500PPB	07/20/12 01:02				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8
Aroclor-1262	1	3	Avg	----	----	----	----	----	----	----	----	0.0973	9.03	-1	-1	Lvl=11	500.0							
Aroclor-1262	1	4	Avg	----	----	----	----	----	----	----	----	0.0408	9.79	-1	-1	Lvl=11	500.0							
Aroclor-1262	1	5	Avg	----	----	----	----	----	----	----	----	0.0145	10.17	-1	-1	Lvl=11	500.0							
Aroclor-1268	1	1	Avg	----	----	----	----	----	----	----	----	0.0167	8.31	-1	-1	Lvl=7	500.0							
Aroclor-1268	1	2	Avg	----	----	----	----	----	----	----	----	0.0159	8.63	-1	-1	Lvl=7	500.0							
Aroclor-1268	1	3	Avg	----	----	----	----	----	----	----	----	0.108	9.22	-1	-1	Lvl=7	500.0							
Aroclor-1268	1	4	Avg	----	----	----	----	----	----	----	----	0.0347	9.32	-1	-1	Lvl=7	500.0							
Aroclor-1268	1	5	Avg	----	----	----	----	----	----	----	----	0.269	10.17	-1	-1	Lvl=7	500.0							
DCB-Surrogate	1	0	Avg	1.0020	0.9656	0.9424	0.8911	0.8647	0.8286	----	----	0.916	10.40	0.999	1.00	7.1	5.00	20.00	50.00	100.0	200.0	400.0		
TCMX-Surrogate	2	0	Avg	1.8103	1.7950	1.9068	1.8640	1.8731	1.8456	----	----	1.85	3.98	1.00	1.00	2.2	5.00	20.00	50.00	100.0	200.0	400.0		
Aroclor-1016	2	1	Avg	0.0461	0.0456	0.0457	0.0432	0.0409	0.0383	----	----	0.0433	4.57	0.998	1.00	7.2	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1016	2	2	Qua	0.1045	0.0947	0.0922	0.0840	0.0775	0.0705	----	----	0.0873	4.99	0.997	1.00	14	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1016	2	3	Avg	0.2055	0.1936	0.1943	0.1792	0.1707	0.1598	----	----	0.184	5.37	0.999	1.00	9.2	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1016	2	4	Qua	0.0904	0.0819	0.0813	0.0746	0.0692	0.0638	----	----	0.0769	5.69	0.998	1.00	12	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1016	2	5	Qua	0.0665	0.0584	0.0581	0.0534	0.0506	0.0466	----	----	0.0556	6.06	0.998	1.00	13	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1260	2	1	Qua	0.1328	0.1253	0.1192	0.1091	0.1027	0.0964	----	----	0.114	7.35	0.999	1.00	12	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1260	2	2	Avg	0.1611	0.1540	0.1533	0.1447	0.1410	0.1367	----	----	0.148	7.43	1.00	1.00	6.2	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1260	2	3	Avg	0.1220	0.1175	0.1153	0.1099	0.1099	0.1092	----	----	0.114	8.42	1.00	1.00	4.6	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1260	2	4	Avg	0.0983	0.0985	0.1021	0.1003	0.1042	0.1069	----	----	0.102	9.12	1.00	1.00	3.3	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1260	2	5	Avg	0.0586	0.0594	0.0603	0.0592	0.0607	0.0618	----	----	0.0600	9.72	1.00	1.00	1.9	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1221	2	1	Avg	----	----	----	----	----	----	----	----	0.0311	4.36	-1	-1	Lvl=10	500.0							
Aroclor-1221	2	2	Avg	----	----	----	----	----	----	----	----	0.0165	4.51	-1	-1	Lvl=10	500.0							
Aroclor-1221	2	3	Avg	----	----	----	----	----	----	----	----	0.0632	4.57	-1	-1	Lvl=10	500.0							
Aroclor-1232	2	1	Avg	----	----	----	----	----	----	----	----	0.0449	4.57	-1	-1	Lvl=7	500.0							
Aroclor-1232	2	2	Avg	----	----	----	----	----	----	----	----	0.0426	4.99	-1	-1	Lvl=7	500.0							
Aroclor-1232	2	3	Avg	----	----	----	----	----	----	----	----	0.0809	5.36	-1	-1	Lvl=7	500.0							
Aroclor-1232	2	4	Avg	----	----	----	----	----	----	----	----	0.0341	5.54	-1	-1	Lvl=7	500.0							
Aroclor-1232	2	5	Avg	----	----	----	----	----	----	----	----	0.0226	6.20	-1	-1	Lvl=7	500.0							
Aroclor-1242	2	1	Avg	----	----	----	----	----	----	----	----	0.0414	4.57	-1	-1	Lvl=8	500.0							
Aroclor-1242	2	2	Avg	----	----	----	----	----	----	----	----	0.0785	4.99	-1	-1	Lvl=8	500.0							
Aroclor-1242	2	3	Avg	----	----	----	----	----	----	----	----	0.165	5.37	-1	-1	Lvl=8	500.0							
Aroclor-1242	2	4	Avg	----	----	----	----	----	----	----	----	0.0686	5.69	-1	-1	Lvl=8	500.0							
Aroclor-1242	2	5	Avg	----	----	----	----	----	----	----	----	0.0571	6.06	-1	-1	Lvl=8	500.0							
Aroclor-1248	2	1	Avg	----	----	----	----	----	----	----	----	0.0361	4.99	-1	-1	Lvl=9	500.0							
Aroclor-1248	2	2	Avg	----	----	----	----	----	----	----	----	0.0977	5.36	-1	-1	Lvl=9	500.0							
Aroclor-1248	2	3	Avg	----	----	----	----	----	----	----	----	0.0726	5.69	-1	-1	Lvl=9	500.0							

Avg Rsd Col 1: 8.90 Avg Rsd Col 2: 7.57

Flags

c - failed the initial calibration criteria(if applicable)

Note:

Col = Column Number
Mr = MultiPeak Analyte 0=single peak analyte..>0=multi peak analyte (i.e. pcb/chlordane etc..)
Fit = Indicates whehter Avg RF, Linear, or Quadratic Curve was used for compound.
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.

All Response Factors = Response Factors / 10000
Initial Calibration Criteria: either %RSD <=20 or Corr >= .995
Columns: Signal #1 db-1701 : Signal #2 db-608

^Lvl: These compounds use a single pt calibration as specified by the method. The file used to update this calibration point is listed in the header under level #

2072508 0243

Form 6
Initial Calibration

Method: EPA 8082

Instrument: GC_3

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	3G68608.	CAL 1660@50PPB	07/20/12 01:18	2	3G68609.	CAL 1660@200PPB	07/20/12 01:33
3	3G68610.	CAL 1660@500PPB	07/20/12 01:49	4	3G68611.	CAL 1660@1000PPB	07/20/12 02:05
5	3G68612.	CAL 1660@2000PPB	07/20/12 02:20	6	3G68613.	CAL 1660@4000PPB	07/20/12 02:36
7	3G68603.	CAL 3268@500PPB	07/19/12 23:59	8	3G68604.	CAL 1242@500PPB	07/20/12 00:15
9	3G68605.	CAL 1248@500PPB	07/20/12 00:30	10	3G68606.	CAL 2154@500PPB	07/20/12 00:46
11	3G68607.	CAL 1262@500PPB	07/20/12 01:02				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8
Aroclor-1248	2	4	Avg	----	----	----	----	----	----	----	----	0.0695	6.20	-1	-1	Lvl=9	500.0							
Aroclor-1248	2	5	Avg	----	----	----	----	----	----	----	----	0.0931	6.33	-1	-1	Lvl=9	500.0							
Aroclor-1254	2	1	Avg	----	----	----	----	----	----	----	----	0.131	6.55	-1	-1	Lvl=10	500.0							
Aroclor-1254	2	2	Avg	----	----	----	----	----	----	----	----	0.0374	6.89	-1	-1	Lvl=10	500.0							
Aroclor-1254	2	3	Avg	----	----	----	----	----	----	----	----	0.131	7.28	-1	-1	Lvl=10	500.0							
Aroclor-1254	2	4	Avg	----	----	----	----	----	----	----	----	0.0576	7.79	-1	-1	Lvl=10	500.0							
Aroclor-1254	2	5	Avg	----	----	----	----	----	----	----	----	0.0531	8.48	-1	-1	Lvl=10	500.0							
Aroclor-1262	2	1	Avg	----	----	----	----	----	----	----	----	0.136	7.85	-1	-1	Lvl=11	500.0							
Aroclor-1262	2	2	Avg	----	----	----	----	----	----	----	----	0.125	9.01	-1	-1	Lvl=11	500.0							
Aroclor-1262	2	3	Avg	----	----	----	----	----	----	----	----	0.130	9.12	-1	-1	Lvl=11	500.0							
Aroclor-1262	2	4	Avg	----	----	----	----	----	----	----	----	0.126	9.72	-1	-1	Lvl=11	500.0							
Aroclor-1262	2	5	Avg	----	----	----	----	----	----	----	----	0.0291	10.27	-1	-1	Lvl=11	500.0							
Aroclor-1268	2	1	Avg	----	----	----	----	----	----	----	----	0.0266	8.51	-1	-1	Lvl=7	500.0							
Aroclor-1268	2	2	Avg	----	----	----	----	----	----	----	----	0.0484	8.55	-1	-1	Lvl=7	500.0							
Aroclor-1268	2	3	Avg	----	----	----	----	----	----	----	----	0.0704	9.62	-1	-1	Lvl=7	500.0							
Aroclor-1268	2	4	Avg	----	----	----	----	----	----	----	----	0.0976	9.72	-1	-1	Lvl=7	500.0							
Aroclor-1268	2	5	Avg	----	----	----	----	----	----	----	----	0.573	10.27	-1	-1	Lvl=7	500.0							
DCB-Surrogate	2	0	Avg	1.9009	1.8568	1.8184	1.7349	1.7241	1.6884	---	---	1.79	10.82	1.00	1.00	4.7	5.00	20.00	50.00	100.0	200.0	400.0		

Avg Rsd Col 1: 8.90 Avg Rsd Col 2: 7.57

Flags

c - failed the initial calibration criteria(if applicable)

Note:

Col = Column Number
Mr = MultiPeak Analyte 0=single peak analyte..>0=multi peak analyte (i.e. pcb/chlordane etc..)
Fit = Indicates whehter Avg RF, Linear, or Quadratic Curve was used for compound.
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.

All Response Factors = Response Factors / 10000
Initial Calibration Criteria: either %RSD <=20 or Corr >= .995
Columns: Signal #1 db-1701 : Signal #2 db-608

^Lvl: These compounds use a single pt calibration as specified by the method. The file used to update this calibration point is listed in the header under level #

2072508 0244

Form 6
Initial Calibration

Method: EPA 8082

Instrument: GC_2

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	2G75239.	CAL 1660@50PPB	08/01/12 09:03	2	2G75240.	CAL 1660@200PPB	08/01/12 09:18
3	2G75241.	CAL 1660@500PPB	08/01/12 09:33	4	2G75242.	CAL 1660@1000PPB	08/01/12 09:49
5	2G75243.	CAL 1660@2000PPB	08/01/12 10:04	6	2G75244.	CAL 1660@4000PPB	08/01/12 10:19
7	2G75245.	CAL 3268@500PPB	08/01/12 10:52	8	2G75246.	CAL 1242@500PPB	08/01/12 11:07
9	2G75247.	CAL 1248@500PPB	08/01/12 11:23	10	2G75248.	CAL 2154@500PPB	08/01/12 11:38
11	2G75249.	CAL 1262@500PPB	08/01/12 11:53				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8
TCMX-Surrogate	1	0	Avg	0.4116	0.3668	0.3752	0.3742	0.3647	0.3426	----	----	0.373	4.05	0.999	1.00	6.0	5.00	20.00	50.00	100.0	200.0	400.0		
Aroclor-1016	1	1	Qua	0.0129	0.0115	0.0109	0.0103	0.0092	0.0081	----	----	0.0105	4.60	0.994	1.00	16	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1016	1	2	Qua	0.0273	0.0234	0.0208	0.0186	0.0166	0.0140	----	----	0.0202	4.98	0.990	1.00	24	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1016	1	3	Qua	0.0502	0.0425	0.0381	0.0345	0.0313	0.0279	----	----	0.0374	5.46	0.995	1.00	22	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1016	1	4	Qua	0.0145	0.0133	0.0125	0.0116	0.0107	0.0097	----	----	0.0121	5.71	0.997	1.00	14	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1016	1	5	Qua	0.0356	0.0320	0.0290	0.0260	0.0233	0.0205	----	----	0.0278	5.81	0.994	1.00	20	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1260	1	1	Qua	0.0293	0.0250	0.0224	0.0200	0.0179	0.0157	----	----	0.0218	7.37	0.994	1.00	23	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1260	1	2	Qua	0.0352	0.0294	0.0257	0.0229	0.0206	0.0182	----	----	0.0254	7.62	0.995	1.00	25	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1260	1	3	Qua	0.0169	0.0153	0.0141	0.0133	0.0124	0.0114	----	----	0.0140	7.83	0.998	1.00	14	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1260	1	4	Qua	0.0209	0.0192	0.0177	0.0164	0.0153	0.0140	----	----	0.0173	8.43	0.997	1.00	15	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1260	1	5	Qua	0.0312	0.0284	0.0271	0.0260	0.0246	0.0230	----	----	0.0268	9.17	0.998	1.00	11	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1221	1	1	Avg	----	----	----	----	----	----	----	----	0.00587	4.38	-1	-1	Lvl=10	500.0							
Aroclor-1221	1	2	Avg	----	----	----	----	----	----	----	----	0.00392	4.54	-1	-1	Lvl=10	500.0							
Aroclor-1221	1	3	Avg	----	----	----	----	----	----	----	----	0.0155	4.60	-1	-1	Lvl=10	500.0							
Aroclor-1232	1	1	Avg	----	----	----	----	----	----	----	----	0.0103	4.60	-1	-1	Lvl=7	500.0							
Aroclor-1232	1	2	Avg	----	----	----	----	----	----	----	----	0.00964	4.98	-1	-1	Lvl=7	500.0							
Aroclor-1232	1	3	Avg	----	----	----	----	----	----	----	----	0.0164	5.46	-1	-1	Lvl=7	500.0							
Aroclor-1232	1	4	Avg	----	----	----	----	----	----	----	----	0.00803	5.60	-1	-1	Lvl=7	500.0							
Aroclor-1232	1	5	Avg	----	----	----	----	----	----	----	----	0.00829	6.09	-1	-1	Lvl=7	500.0							
Aroclor-1242	1	1	Avg	----	----	----	----	----	----	----	----	0.00950	4.60	-1	-1	Lvl=8	500.0							
Aroclor-1242	1	2	Avg	----	----	----	----	----	----	----	----	0.0166	4.98	-1	-1	Lvl=8	500.0							
Aroclor-1242	1	3	Avg	----	----	----	----	----	----	----	----	0.0304	5.45	-1	-1	Lvl=8	500.0							
Aroclor-1242	1	4	Avg	----	----	----	----	----	----	----	----	0.0227	5.81	-1	-1	Lvl=8	500.0							
Aroclor-1242	1	5	Avg	----	----	----	----	----	----	----	----	0.0147	6.08	-1	-1	Lvl=8	500.0							
Aroclor-1248	1	1	Avg	----	----	----	----	----	----	----	----	0.00801	4.98	-1	-1	Lvl=9	500.0							
Aroclor-1248	1	2	Avg	----	----	----	----	----	----	----	----	0.0195	5.45	-1	-1	Lvl=9	500.0							
Aroclor-1248	1	3	Avg	----	----	----	----	----	----	----	----	0.0342	5.81	-1	-1	Lvl=9	500.0							
Aroclor-1248	1	4	Avg	----	----	----	----	----	----	----	----	0.0188	6.18	-1	-1	Lvl=9	500.0							
Aroclor-1248	1	5	Avg	----	----	----	----	----	----	----	----	0.0205	6.80	-1	-1	Lvl=9	500.0							
Aroclor-1254	1	1	Avg	----	----	----	----	----	----	----	----	0.00941	7.00	-1	-1	Lvl=10	500.0							
Aroclor-1254	1	2	Avg	----	----	----	----	----	----	----	----	0.0276	7.21	-1	-1	Lvl=10	500.0							
Aroclor-1254	1	3	Avg	----	----	----	----	----	----	----	----	0.0174	7.37	-1	-1	Lvl=10	500.0							
Aroclor-1254	1	4	Avg	----	----	----	----	----	----	----	----	0.0251	7.49	-1	-1	Lvl=10	500.0							
Aroclor-1254	1	5	Avg	----	----	----	----	----	----	----	----	0.0122	7.89	-1	-1	Lvl=10	500.0							
Aroclor-1262	1	1	Avg	----	----	----	----	----	----	----	----	0.0324	8.05	-1	-1	Lvl=11	500.0							
Aroclor-1262	1	2	Avg	----	----	----	----	----	----	----	----	0.0190	9.08	-1	-1	Lvl=11	500.0							

Avg Rsd Col 1: 17.1 Avg Rsd Col 2: 17.9

Flags

c - failed the initial calibration criteria(if applicable)

Note:

Col = Column Number
Mr = MultiPeak Analyte 0=single peak analyte..>0=multi peak analyte (i.e. pcb/chlordane etc..)
Fit = Indicates whehter Avg RF, Linear, or Quadratic Curve was used for compound.
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.

All Response Factors = Response Factors / 10000
Initial Calibration Criteria: either %RSD <=20 or Corr >= .995
Columns: Signal #1 db-1701 : Signal #2 db-608

^Lvl: These compounds use a single pt calibration as specified by the method. The file used to update this calibration point is listed in the header under level #

2072508 0245

Form 6
Initial Calibration

Method: EPA 8082

Instrument: GC_2

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	2G75239.	CAL 1660@50PPB	08/01/12 09:03	2	2G75240.	CAL 1660@200PPB	08/01/12 09:18
3	2G75241.	CAL 1660@500PPB	08/01/12 09:33	4	2G75242.	CAL 1660@1000PPB	08/01/12 09:49
5	2G75243.	CAL 1660@2000PPB	08/01/12 10:04	6	2G75244.	CAL 1660@4000PPB	08/01/12 10:19
7	2G75245.	CAL 3268@500PPB	08/01/12 10:52	8	2G75246.	CAL 1242@500PPB	08/01/12 11:07
9	2G75247.	CAL 1248@500PPB	08/01/12 11:23	10	2G75248.	CAL 2154@500PPB	08/01/12 11:38
11	2G75249.	CAL 1262@500PPB	08/01/12 11:53				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8
Aroclor-1262	1	3	Avg	----	----	----	----	----	----	----	----	0.0370	9.15	-1	-1	Lvl=11	500.0							
Aroclor-1262	1	4	Avg	----	----	----	----	----	----	----	----	0.0182	9.95	-1	-1	Lvl=11	500.0							
Aroclor-1262	1	5	Avg	----	----	----	----	----	----	----	----	0.00643	10.34	-1	-1	Lvl=11	500.0							
Aroclor-1268	1	1	Avg	----	----	----	----	----	----	----	----	0.00794	8.42	-1	-1	Lvl=7	500.0							
Aroclor-1268	1	2	Avg	----	----	----	----	----	----	----	----	0.00738	8.75	-1	-1	Lvl=7	500.0							
Aroclor-1268	1	3	Avg	----	----	----	----	----	----	----	----	0.0390	9.34	-1	-1	Lvl=7	500.0							
Aroclor-1268	1	4	Avg	----	----	----	----	----	----	----	----	0.0129	9.45	-1	-1	Lvl=7	500.0							
Aroclor-1268	1	5	Avg	----	----	----	----	----	----	----	----	0.101	10.34	-1	-1	Lvl=7	500.0							
DCB-Surrogate	1	0	Qua	0.4750	0.4247	0.3897	0.3612	0.3338	0.3046	----	----	0.382	10.57	0.997	1.00	16	5.00	20.00	50.00	100.0	200.0	400.0		
TCMX-Surrogate	2	0	Avg	0.3805	0.3567	0.3582	0.3711	0.3781	0.3683	----	----	0.369	4.00	1.00	1.00	2.7	5.00	20.00	50.00	100.0	200.0	400.0		
Aroclor-1016	2	1	Qua	0.0138	0.0113	0.0102	0.0096	0.0088	0.0080	----	----	0.0103	4.62	0.997	1.00	20	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1016	2	2	Qua	0.0258	0.0228	0.0202	0.0190	0.0172	0.0153	----	----	0.0201	5.05	0.995	1.00	19	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1016	2	3	Qua	0.0482	0.0403	0.0360	0.0344	0.0319	0.0291	----	----	0.0367	5.43	0.997	1.00	19	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1016	2	4	Qua	0.0225	0.0183	0.0165	0.0155	0.0141	0.0127	----	----	0.0166	5.77	0.996	1.00	21	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1016	2	5	Qua	0.0153	0.0134	0.0122	0.0113	0.0105	0.0094	----	----	0.0120	6.14	0.996	1.00	18	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1260	2	1	Qua	0.0293	0.0251	0.0223	0.0202	0.0183	0.0164	----	----	0.0220	7.47	0.996	1.00	21	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1260	2	2	Qua	0.0315	0.0266	0.0236	0.0215	0.0196	0.0178	----	----	0.0235	7.56	0.997	1.00	21	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1260	2	3	Qua	0.0135	0.0111	0.0098	0.0095	0.0090	0.0083	----	----	0.0102	8.20	0.998	1.00	18	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1260	2	4	Qua	0.0263	0.0230	0.0211	0.0191	0.0178	0.0163	----	----	0.0206	8.57	0.998	1.00	18	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1260	2	5	Qua	0.0227	0.0190	0.0172	0.0157	0.0147	0.0136	----	----	0.0172	9.29	0.998	1.00	19	50.00	200.0	500.0	1000.	2000.	4000.		
Aroclor-1221	2	1	Avg	----	----	----	----	----	----	----	----	0.00598	4.39	-1	-1	Lvl=10	500.0							
Aroclor-1221	2	2	Avg	----	----	----	----	----	----	----	----	0.00368	4.54	-1	-1	Lvl=10	500.0							
Aroclor-1221	2	3	Avg	----	----	----	----	----	----	----	----	0.0119	4.61	-1	-1	Lvl=10	500.0							
Aroclor-1232	2	1	Avg	----	----	----	----	----	----	----	----	0.00860	4.61	-1	-1	Lvl=7	500.0							
Aroclor-1232	2	2	Avg	----	----	----	----	----	----	----	----	0.00956	5.04	-1	-1	Lvl=7	500.0							
Aroclor-1232	2	3	Avg	----	----	----	----	----	----	----	----	0.0154	5.43	-1	-1	Lvl=7	500.0							
Aroclor-1232	2	4	Avg	----	----	----	----	----	----	----	----	0.00746	5.76	-1	-1	Lvl=7	500.0							
Aroclor-1232	2	5	Avg	----	----	----	----	----	----	----	----	0.00465	6.29	-1	-1	Lvl=7	500.0							
Aroclor-1242	2	1	Avg	----	----	----	----	----	----	----	----	0.00884	4.61	-1	-1	Lvl=8	500.0							
Aroclor-1242	2	2	Avg	----	----	----	----	----	----	----	----	0.0165	5.04	-1	-1	Lvl=8	500.0							
Aroclor-1242	2	3	Avg	----	----	----	----	----	----	----	----	0.0295	5.43	-1	-1	Lvl=8	500.0							
Aroclor-1242	2	4	Avg	----	----	----	----	----	----	----	----	0.0133	5.76	-1	-1	Lvl=8	500.0							
Aroclor-1242	2	5	Avg	----	----	----	----	----	----	----	----	0.0113	6.14	-1	-1	Lvl=8	500.0							
Aroclor-1248	2	1	Avg	----	----	----	----	----	----	----	----	0.00819	5.04	-1	-1	Lvl=9	500.0							
Aroclor-1248	2	2	Avg	----	----	----	----	----	----	----	----	0.0186	5.43	-1	-1	Lvl=9	500.0							
Aroclor-1248	2	3	Avg	----	----	----	----	----	----	----	----	0.0152	5.76	-1	-1	Lvl=9	500.0							

Avg Rsd Col 1: 17.1 Avg Rsd Col 2: 17.9

Flags

c - failed the initial calibration criteria(if applicable)

Note:

Col = Column Number
Mr = MultiPeak Analyte 0=single peak analyte..>0=multi peak analyte (i.e. pcb/chlordane etc..)
Fit = Indicates whehter Avg RF, Linear, or Quadratic Curve was used for compound
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.

All Response Factors = Response Factors / 10000
Initial Calibration Criteria: either %RSD <=20 or Corr >= .995
Columns: Signal #1 db-1701 : Signal #2 db-608

^Lvl: These compounds use a single pt calibration as specified by the method. The file used to update this calibration point is listed in the header under level #

2072508 0246

Form 6
Initial Calibration

Method: EPA 8082

Instrument: GC_2

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	2G75239.	CAL 1660@50PPB	08/01/12 09:03	2	2G75240.	CAL 1660@200PPB	08/01/12 09:18
3	2G75241.	CAL 1660@500PPB	08/01/12 09:33	4	2G75242.	CAL 1660@1000PPB	08/01/12 09:49
5	2G75243.	CAL 1660@2000PPB	08/01/12 10:04	6	2G75244.	CAL 1660@4000PPB	08/01/12 10:19
7	2G75245.	CAL 3268@500PPB	08/01/12 10:52	8	2G75246.	CAL 1242@500PPB	08/01/12 11:07
9	2G75247.	CAL 1248@500PPB	08/01/12 11:23	10	2G75248.	CAL 2154@500PPB	08/01/12 11:38
11	2G75249.	CAL 1262@500PPB	08/01/12 11:53				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8
Aroclor-1248	2	4	Avg	----	----	----	----	----	----	----	----	0.0135	6.29	-1	-1	Lvl=9	500.0							
Aroclor-1248	2	5	Avg	----	----	----	----	----	----	----	----	0.0167	6.42	-1	-1	Lvl=9	500.0							
Aroclor-1254	2	1	Avg	----	----	----	----	----	----	----	----	0.0230	6.65	-1	-1	Lvl=10	500.0							
Aroclor-1254	2	2	Avg	----	----	----	----	----	----	----	----	0.00744	7.00	-1	-1	Lvl=10	500.0							
Aroclor-1254	2	3	Avg	----	----	----	----	----	----	----	----	0.0191	7.40	-1	-1	Lvl=10	500.0							
Aroclor-1254	2	4	Avg	----	----	----	----	----	----	----	----	0.00980	7.92	-1	-1	Lvl=10	500.0							
Aroclor-1254	2	5	Avg	----	----	----	----	----	----	----	----	0.00917	8.62	-1	-1	Lvl=10	500.0							
Aroclor-1262	2	1	Avg	----	----	----	----	----	----	----	----	0.0358	8.12	-1	-1	Lvl=11	500.0							
Aroclor-1262	2	2	Avg	----	----	----	----	----	----	----	----	0.0182	9.17	-1	-1	Lvl=11	500.0							
Aroclor-1262	2	3	Avg	----	----	----	----	----	----	----	----	0.0192	9.29	-1	-1	Lvl=11	500.0							
Aroclor-1262	2	4	Avg	----	----	----	----	----	----	----	----	0.0205	9.91	-1	-1	Lvl=11	500.0							
Aroclor-1262	2	5	Avg	----	----	----	----	----	----	----	----	0.00596	10.50	-1	-1	Lvl=11	500.0							
Aroclor-1268	2	1	Avg	----	----	----	----	----	----	----	----	0.00402	8.67	-1	-1	Lvl=7	500.0							
Aroclor-1268	2	2	Avg	----	----	----	----	----	----	----	----	0.00705	8.71	-1	-1	Lvl=7	500.0							
Aroclor-1268	2	3	Avg	----	----	----	----	----	----	----	----	0.0342	9.65	-1	-1	Lvl=7	500.0							
Aroclor-1268	2	4	Avg	----	----	----	----	----	----	----	----	0.0108	9.82	-1	-1	Lvl=7	500.0							
Aroclor-1268	2	5	Avg	----	----	----	----	----	----	----	----	0.0897	10.50	-1	-1	Lvl=7	500.0							
DCB-Surrogate	2	0	Qua	0.4594	0.3862	0.3477	0.3203	0.3016	0.2919	----	----	0.351	11.09	1.00	1.00	18	5.00	20.00	50.00	100.0	200.0	400.0		

Avg Rsd Col 1: 17.1 Avg Rsd Col 2: 17.9

Flags

c - failed the initial calibration criteria(if applicable)

Note:

Col = Column Number
Mr = MultiPeak Analyte 0=single peak analyte..>0=multi peak analyte (i.e. pcb/chlordane etc..)
Fit = Indicates whehter Avg RF, Linear, or Quadratic Curve was used for compound.
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.

All Response Factors = Response Factors / 10000
Initial Calibration Criteria: either %RSD <=20 or Corr >= .995
Columns: Signal #1 db-1701 : Signal #2 db-608

^Lvl: These compounds use a single pt calibration as specified by the method. The file used to update this calibration point is listed in the header under level #

Form7
Continuing Calibration

Method: EPA 8082

Data File:				2G75272.D			2G75276.D			3G68963.D			3G68979.D			3G68989.D		
Method:				8082			8082			8082			8082			8082		
Calibration Name:				CAL 1660@1000PP			CAL 1660@1000PP			CAL 1660@1000PP			CAL 1660@1000PP			CAL 1660@500PP		
Calibration Date/Time				08/02/12 10:45			08/02/12 14:34			07/30/12 14:20			07/30/12 19:32			07/31/12 10:21		
Compound	Limit	Col	Mr	Conc	Conc Exp	%Diff	Conc	Conc Exp	%Diff	Conc	Conc Exp	%Diff	Conc	Conc Exp	%Diff	Conc	Conc Exp	%Diff
TCMX-Surrogate	15	1	0	100.8	100	0.8	109	100	9.0	95.49	100	4.5	99.13	100	0.9	43.04	50	13.9
Aroclor-1016	15	1	1	977	1000	2.3	1069	1000	6.9	936.1	1000	6.4	988.7	1000	1.1	487.4	500	2.5
Aroclor-1016	15	1	2	953.6	1000	4.6	1051	1000	5.1	954.3	1000	4.6	998.6	1000	0.1	490.9	500	1.8
Aroclor-1016	15	1	3	1002	1000	0.2	1093	1000	9.3	941.1	1000	5.9	993.4	1000	0.7	475.8	500	4.8
Aroclor-1016	15	1	4	962.9	1000	3.7	1061	1000	6.1	919.7	1000	8.0	982.7	1000	1.7	484.2	500	3.2
Aroclor-1016	15	1	5	967.8	1000	3.2	1055	1000	5.5	916.2	1000	8.4	970.7	1000	2.9	471.1	500	5.8
Aroclor-1260	15	1	1	987.0	1000	1.3	1044	1000	4.4	961.9	1000	3.8	1038	1000	3.8	514.9	500	3.0
Aroclor-1260	15	1	2	984.0	1000	1.6	1050	1000	5.0	967.7	1000	3.2	1040	1000	4.0	515.3	500	3.1
Aroclor-1260	15	1	3	928.5	1000	7.1	1003	1000	0.3	935.8	1000	6.4	1023	1000	2.3	491.2	500	1.8
Aroclor-1260	15	1	4	949.6	1000	5.0	1011	1000	1.1	945.5	1000	5.5	1008	1000	0.8	505.6	500	1.1
Aroclor-1260	15	1	5	934.2	1000	6.6	980.5	1000	1.9	989.8	1000	1.0	1022	1000	2.2	507.9	500	1.6
DCB-Surrogate	15	1	0	82.01	100	18.0*	88.94	100	11.1	106.7	100	6.7	101.8	100	1.8	56.66	50	13.3
Average Difference	15	1	0			4.5			5.5			5.4			1.9			4.7
TCMX-Surrogate	15	2	0	97.96	100	2.0	106.7	100	6.7	95.8	100	4.2	99.29	100	0.7	44.96	50	10.1
Aroclor-1016	15	2	1	1010	1000	1.0	1078	1000	7.8	905.6	1000	9.4	971.6	1000	2.8	478.4	500	4.3
Aroclor-1016	15	2	2	986.9	1000	1.3	1066	1000	6.6	911.5	1000	8.8	984.9	1000	1.5	494.9	500	1.0
Aroclor-1016	15	2	3	1021	1000	2.1	1104	1000	10.4	877.5	1000	12.3	951.2	1000	4.9	485.6	500	2.9
Aroclor-1016	15	2	4	995.9	1000	0.4	1094	1000	9.4	888.7	1000	11.1	979.3	1000	2.1	500.3	500	0.1
Aroclor-1016	15	2	5	964.2	1000	3.6	1067	1000	6.7	863.2	1000	13.7	966.9	1000	3.3	495.6	500	0.9
Aroclor-1260	15	2	1	1004	1000	0.4	1058	1000	5.8	911.9	1000	8.8	1017	1000	1.7	526.2	500	5.2
Aroclor-1260	15	2	2	1010	1000	1.0	1055	1000	5.5	873.6	1000	12.6	979.8	1000	2.0	504.6	500	0.9
Aroclor-1260	15	2	3	1374	1000	37.4*	987.7	1000	1.2	898.8	1000	10.1	975.3	1000	2.5	500.9	500	0.2
Aroclor-1260	15	2	4	977.1	1000	2.3	981.8	1000	1.8	918.3	1000	8.2	1018	1000	1.8	512.1	500	2.4
Aroclor-1260	15	2	5	994.8	1000	0.5	993.7	1000	0.6	1022	1000	2.2	1065	1000	6.5	556.0	500	11.2
DCB-Surrogate	15	2	0	89.1	100	10.9	95.43	100	4.6	103.8	100	3.8	101.7	100	1.7	57.47	50	14.9
Average Difference	15	2	0			5.2			5.6			8.8			2.6			4.5

Flags/Notes: **** - Values outside of limits for this column/run***

Form7
Continuing Calibration

Method: EPA 8082

Data File:				3G68999.D			3G69025.D			3G69046.D													
Method:				8082			8082			8082													
Calibration Name:				CAL 1660@500PP			CAL 1660@500PP			CAL 1660@1000PP													
Calibration Date/Time				07/31/12 13:13			08/01/12 07:40			08/01/12 13:23													
Compound	Limit	Col	Mr	Conc	Conc Exp	%Diff	Conc	Conc Exp	%Diff	Conc	Conc Exp	%Diff	Conc	Conc Exp	%Diff	Conc	Conc Exp	%Diff	Conc	Conc Exp	%Diff	Conc	Conc Exp	%Diff
TCMX-Surrogate	15	1	0	43.07	50	13.9	42.26	50	15.5	93.93	100	6.1											
Aroclor-1016	15	1	1	418.2	500	16.4*	476.4	500	4.7	929.7	1000	7.0											
Aroclor-1016	15	1	2	451.1	500	9.8	482.6	500	3.5	949.8	1000	5.0											
Aroclor-1016	15	1	3	454.5	500	9.1	469.2	500	6.2	944.9	1000	5.5											
Aroclor-1016	15	1	4	435.0	500	13.0	463.5	500	7.3	929.7	1000	7.0											
Aroclor-1016	15	1	5	428.1	500	14.4	454.3	500	9.1	916.6	1000	8.3											
Aroclor-1260	15	1	1	460.8	500	7.8	492.6	500	1.5	936.8	1000	6.3											
Aroclor-1260	15	1	2	467.6	500	6.5	495.4	500	0.9	927.4	1000	7.3											
Aroclor-1260	15	1	3	415.8	500	16.8*	446.7	500	10.7	914.3	1000	8.6											
Aroclor-1260	15	1	4	451.8	500	9.6	483.3	500	3.3	911.8	1000	8.8											
Aroclor-1260	15	1	5	526.7	500	5.3	466.7	500	6.7	946.9	1000	5.3											
DCB-Surrogate	15	1	0	52.08	50	4.2	52.42	50	4.8	106.6	100	6.6											
Average Difference	15	1	0			10.6			6.2			6.8											
TCMX-Surrogate	15	2	0	46.48	50	7.0	49.61	50	0.8	95.25	100	4.8											
Aroclor-1016	15	2	1	457.1	500	8.6	542.0	500	8.4	897.3	1000	10.3											
Aroclor-1016	15	2	2	466.3	500	6.7	535.4	500	7.1	925.1	1000	7.5											
Aroclor-1016	15	2	3	458.2	500	8.4	515.4	500	3.1	907.9	1000	9.2											
Aroclor-1016	15	2	4	474	500	5.2	535.7	500	7.1	915.3	1000	8.5											
Aroclor-1016	15	2	5	466.1	500	6.8	534.6	500	6.9	864.1	1000	13.6											
Aroclor-1260	15	2	1	525.5	500	5.1	560.7	500	12.1	933.2	1000	6.7											
Aroclor-1260	15	2	2	513.6	500	2.7	518.3	500	3.7	929.7	1000	7.0											
Aroclor-1260	15	2	3	508.1	500	1.6	522.4	500	4.5	921.6	1000	7.8											
Aroclor-1260	15	2	4	529.7	500	5.9	526.6	500	5.3	954.8	1000	4.5											
Aroclor-1260	15	2	5	591	500	18.2*	568.7	500	13.7	1046	1000	4.6											
DCB-Surrogate	15	2	0	60.4	50	20.8*	58.88	50	17.8*	103.7	100	3.7											
Average Difference	15	2	0			8.1			7.5			7.3											

Flags/Notes: **** - Values outside of limits for this column/run***

Form7
RtWindow Summary

Method: EPA 8082

2072508 0249

Data File:	2G75239.D		3G68608.D		2G75272.D		3G68963.D		3G68989.D	
Calibration Name:	CAL 1660@50PPB		CAL 1660@50PPB		CAL 1660@1000PPB		CAL 1660@1000PPB		CAL 1660@500PPB	
Calibration Date/Time	8/1/2012 9:03:00 AM		7/20/2012 1:18:00 AM		8/2/2012 10:45:00 AM		7/30/2012 2:20:00 PM		7/31/2012 10:21:00 AM	
Compound	Col Mr	Cal RT	Limit	Cal RT	Limit	Cal RT	Limit	Cal RT	Limit	Cal RT	Limit
TCMX-Surrogate	1 0	4.05	(3.99 - 4.11)	4.08	(4.02 - 4.14)	4.06	(4.00 - 4.12)	4.08	(4.02 - 4.14)	4.09	(4.03 - 4.15)
Aroclor-1016	1 1	4.60	(4.56 - 4.64)	4.58	(4.54 - 4.62)	4.60	(4.56 - 4.64)	4.57	(4.53 - 4.61)	4.58	(4.54 - 4.62)
Aroclor-1016	1 2	4.98	(4.94 - 5.02)	4.95	(4.91 - 4.99)	4.98	(4.94 - 5.02)	4.94	(4.90 - 4.98)	4.94	(4.90 - 4.98)
Aroclor-1016	1 3	5.45	(5.41 - 5.49)	5.41	(5.37 - 5.45)	5.46	(5.42 - 5.50)	5.40	(5.36 - 5.44)	5.41	(5.37 - 5.45)
Aroclor-1016	1 4	5.71	(5.67 - 5.75)	5.55	(5.51 - 5.59)	5.72	(5.68 - 5.76)	5.54	(5.50 - 5.58)	5.54	(5.50 - 5.58)
Aroclor-1016	1 5	5.81	(5.77 - 5.85)	5.66	(5.62 - 5.70)	5.82	(5.78 - 5.86)	5.65	(5.61 - 5.69)	5.65	(5.61 - 5.69)
Aroclor-1260	1 1	7.37	(7.33 - 7.41)	7.28	(7.24 - 7.32)	7.37	(7.33 - 7.41)	7.27	(7.23 - 7.31)	7.27	(7.23 - 7.31)
Aroclor-1260	1 2	7.62	(7.58 - 7.66)	7.53	(7.49 - 7.57)	7.63	(7.59 - 7.67)	7.52	(7.48 - 7.56)	7.52	(7.48 - 7.56)
Aroclor-1260	1 3	7.83	(7.79 - 7.87)	8.02	(7.98 - 8.06)	7.83	(7.79 - 7.87)	8.00	(7.96 - 8.04)	8.00	(7.96 - 8.04)
Aroclor-1260	1 4	8.42	(8.38 - 8.46)	8.32	(8.28 - 8.36)	8.43	(8.39 - 8.47)	8.30	(8.26 - 8.34)	8.30	(8.26 - 8.34)
Aroclor-1260	1 5	9.17	(9.13 - 9.21)	9.04	(9.00 - 9.08)	9.17	(9.13 - 9.21)	9.02	(8.98 - 9.06)	9.02	(8.98 - 9.06)
Aroclor-1221	1 1	4.38	(4.34 - 4.42)	4.38	(4.34 - 4.42)						
Aroclor-1221	1 2	4.54	(4.50 - 4.58)	4.52	(4.48 - 4.56)						
Aroclor-1221	1 3	4.60	(4.56 - 4.64)	4.58	(4.54 - 4.62)						
Aroclor-1232	1 1	4.60	(4.56 - 4.64)	4.58	(4.54 - 4.62)						
Aroclor-1232	1 2	4.98	(4.94 - 5.02)	4.95	(4.91 - 4.99)						
Aroclor-1232	1 3	5.46	(5.42 - 5.50)	5.41	(5.37 - 5.45)						
Aroclor-1232	1 4	5.60	(5.56 - 5.64)	5.55	(5.51 - 5.59)						
Aroclor-1232	1 5	6.09	(6.05 - 6.13)	6.02	(5.98 - 6.06)						
Aroclor-1242	1 1	4.60	(4.56 - 4.64)	4.58	(4.54 - 4.62)						
Aroclor-1242	1 2	4.98	(4.94 - 5.02)	4.95	(4.91 - 4.99)						
Aroclor-1242	1 3	5.45	(5.41 - 5.49)	5.41	(5.37 - 5.45)						
Aroclor-1242	1 4	5.81	(5.77 - 5.85)	5.77	(5.73 - 5.81)						
Aroclor-1242	1 5	6.08	(6.04 - 6.12)	6.02	(5.98 - 6.06)						
Aroclor-1248	1 1	4.98	(4.94 - 5.02)	4.95	(4.91 - 4.99)						
Aroclor-1248	1 2	5.45	(5.41 - 5.49)	5.41	(5.37 - 5.45)						
Aroclor-1248	1 3	5.81	(5.77 - 5.85)	5.76	(5.72 - 5.80)						
Aroclor-1248	1 4	6.18	(6.14 - 6.22)	6.12	(6.08 - 6.16)						
Aroclor-1248	1 5	6.80	(6.76 - 6.84)	6.71	(6.67 - 6.75)						
Aroclor-1254	1 1	7.00	(6.96 - 7.04)	6.92	(6.88 - 6.96)						
Aroclor-1254	1 2	7.21	(7.17 - 7.25)	7.12	(7.08 - 7.16)						
Aroclor-1254	1 3	7.37	(7.33 - 7.41)	7.29	(7.25 - 7.33)						
Aroclor-1254	1 4	7.49	(7.45 - 7.53)	7.40	(7.36 - 7.44)						
Aroclor-1254	1 5	7.89	(7.85 - 7.93)	7.79	(7.75 - 7.83)						
Aroclor-1262	1 1	8.05	(8.01 - 8.09)	7.96	(7.92 - 8.00)						
Aroclor-1262	1 2	9.08	(9.04 - 9.12)	8.97	(8.93 - 9.01)						
Aroclor-1262	1 3	9.15	(9.11 - 9.19)	9.03	(8.99 - 9.07)						
Aroclor-1262	1 4	9.94	(9.90 - 9.98)	9.79	(9.75 - 9.83)						
Aroclor-1262	1 5	10.34	(10.30 - 10.38)	10.17	(10.13 - 10.21)						
Aroclor-1268	1 1	8.42	(8.38 - 8.46)	8.32	(8.28 - 8.36)						
Aroclor-1268	1 2	8.75	(8.71 - 8.79)	8.63	(8.59 - 8.67)						
Aroclor-1268	1 3	9.34	(9.30 - 9.38)	9.22	(9.18 - 9.26)						
Aroclor-1268	1 4	9.45	(9.41 - 9.49)	9.33	(9.29 - 9.37)						
Aroclor-1268	1 5	10.34	(10.30 - 10.38)	10.17	(10.13 - 10.21)						
DCB-Surrogate	1 0	10.57	(10.51 - 10.63)	10.40	(10.34 - 10.46)	10.57	(10.51 - 10.63)	10.39	(10.33 - 10.45)	10.39	(10.33 - 10.45)
TCMX-Surrogate	2 0	4.00	(3.94 - 4.06)	3.98	(3.92 - 4.04)	4.00	(3.94 - 4.06)	3.98	(3.92 - 4.04)	3.99	(3.93 - 4.05)
Aroclor-1016	2 1	4.61	(4.57 - 4.65)	4.57	(4.53 - 4.61)	4.62	(4.58 - 4.66)	4.57	(4.53 - 4.61)	4.57	(4.53 - 4.61)
Aroclor-1016	2 2	5.04	(5.00 - 5.08)	4.99	(4.95 - 5.03)	5.05	(5.01 - 5.09)	4.98	(4.94 - 5.02)	4.99	(4.95 - 5.03)
Aroclor-1016	2 3	5.43	(5.39 - 5.47)	5.36	(5.32 - 5.40)	5.44	(5.40 - 5.48)	5.36	(5.32 - 5.40)	5.36	(5.32 - 5.40)
Aroclor-1016	2 4	5.76	(5.72 - 5.80)	5.69	(5.65 - 5.73)	5.77	(5.73 - 5.81)	5.68	(5.64 - 5.72)	5.69	(5.65 - 5.73)
Aroclor-1016	2 5	6.14	(6.10 - 6.18)	6.06	(6.02 - 6.10)	6.15	(6.11 - 6.19)	6.05	(6.01 - 6.09)	6.05	(6.01 - 6.09)
Aroclor-1260	2 1	7.47	(7.43 - 7.51)	7.35	(7.31 - 7.39)	7.48	(7.44 - 7.52)	7.35	(7.31 - 7.39)	7.35	(7.31 - 7.39)
Aroclor-1260	2 2	7.56	(7.52 - 7.60)	7.43	(7.39 - 7.47)	7.56	(7.52 - 7.60)	7.43	(7.39 - 7.47)	7.43	(7.39 - 7.47)
Aroclor-1260	2 3	8.20	(8.16 - 8.24)	8.42	(8.38 - 8.46)	8.21	(8.17 - 8.25)	8.41	(8.37 - 8.45)	8.41	(8.37 - 8.45)
Aroclor-1260	2 4	8.56	(8.52 - 8.60)	9.12	(9.08 - 9.16)	8.57	(8.53 - 8.61)	9.11	(9.07 - 9.15)	9.11	(9.07 - 9.15)
Aroclor-1260	2 5	9.29	(9.25 - 9.33)	9.72	(9.68 - 9.76)	9.29	(9.25 - 9.33)	9.71	(9.67 - 9.75)	9.71	(9.67 - 9.75)
Aroclor-1221	2 1	4.39	(4.35 - 4.43)	4.36	(4.32 - 4.40)						
Aroclor-1221	2 2	4.55	(4.51 - 4.59)	4.51	(4.47 - 4.55)						
Aroclor-1221	2 3	4.61	(4.57 - 4.65)	4.57	(4.53 - 4.61)						
Aroclor-1232	2 1	4.61	(4.57 - 4.65)	4.57	(4.53 - 4.61)						
Aroclor-1232	2 2	5.04	(5.00 - 5.08)	4.99	(4.95 - 5.03)						
Aroclor-1232	2 3	5.43	(5.39 - 5.47)	5.36	(5.32 - 5.40)						
Aroclor-1232	2 4	5.77	(5.73 - 5.81)	5.54	(5.50 - 5.58)						
Aroclor-1232	2 5	6.29	(6.25 - 6.33)	6.20	(6.16 - 6.24)						
Aroclor-1242	2 1	4.61	(4.57 - 4.65)	4.57	(4.53 - 4.61)						
Aroclor-1242	2 2	5.04	(5.00 - 5.08)	4.99	(4.95 - 5.03)						
Aroclor-1242	2 3	5.43	(5.39 - 5.47)	5.36	(5.32 - 5.40)						
Aroclor-1242	2 4	5.76	(5.72 - 5.80)	5.69	(5.65 - 5.73)						
Aroclor-1242	2 5	6.14	(6.10 - 6.18)	6.06	(6.02 - 6.10)						
Aroclor-1248	2 1	5.04	(5.00 - 5.08)	4.99	(4.95 - 5.03)						
Aroclor-1248	2 2	5.43	(5.39 - 5.47)	5.36	(5.32 - 5.40)						
Aroclor-1248	2 3	5.76	(5.72 - 5.80)	5.69	(5.65 - 5.73)						
Aroclor-1248	2 4	6.29	(6.25 - 6.33)	6.20	(6.16 - 6.24)						
Aroclor-1248	2 5	6.42	(6.38 - 6.46)	6.33	(6.29 - 6.37)						
Aroclor-1254	2 1	6.65	(6.61 - 6.69)	6.55	(6.51 - 6.59)						
Aroclor-1254	2 2	7.00	(6.96 - 7.04)	6.89	(6.85 - 6.93)						
Aroclor-1254	2 3	7.40	(7.36 - 7.44)	7.28	(7.24 - 7.32)						
Aroclor-1254	2 4	7.92	(7.88 - 7.96)	7.79	(7.75 - 7.83)						
Aroclor-1254	2 5	8.62	(8.58 - 8.66)	8.48	(8.44 - 8.52)						
Aroclor-1262	2 1	8.12	(8.08 - 8.16)	7.85	(7.81 - 7.89)						
Aroclor-1262	2 2	9.17	(9.13 - 9.21)	9.01	(8.97 - 9.05)						
Aroclor-1262	2 3	9.29	(9.25 - 9.33)	9.12	(9.08 - 9.16)						
Aroclor-1262	2 4	9.91	(9.87 - 9.95)	9.72	(9.68 - 9.76)						
Aroclor-1262	2 5	10.50	(10.46 - 10.54)	10.27	(10.23 - 10.31)						
Aroclor-1268	2 1	8.67	(8.63 - 8.71)	8.51	(8.47 - 8.55)						
Aroclor-1268	2 2	8.71	(8.67 - 8.75)	8.55	(8.51 - 8.59)						
Aroclor-1268	2 3	9.65	(9.61 - 9.69)	9.62	(9.58 - 9.66)						
Aroclor-1268	2 4	9.82	(9.78 - 9.86)	9.72	(9.68 - 9.76)						
Aroclor-1268	2 5	10.50	(10.46 - 10.54)	10.27	(10.23 - 10.31)						
DCB-Surrogate	2 0	11.09	(11.03 - 11.15)	10.82	(10.76 - 10.88)	11.09	(11.03 - 11.15)	10.82	(10.76 - 10.88)	10.82	(10.76 - 10.88)

Form7

RtWindow Summary

Method: EPA 8082

2072508 0250

Data File:			3G69025.D									
Calibration Name:			CAL 1660@500PPB									
Calibration Date/Time			8/1/2012 7:40:00 AM									
Compound	Col	Mr	Cal RT	Limit	Cal RT	Limit	Cal RT	Limit	Cal RT	Limit	Cal RT	Limit
TCMX-Surrogate	1	0	4.09	(4.03 - 4.15)								
Aroclor-1016	1	1	4.59	(4.55 - 4.63)								
Aroclor-1016	1	2	4.95	(4.91 - 4.99)								
Aroclor-1016	1	3	5.41	(5.37 - 5.45)								
Aroclor-1016	1	4	5.55	(5.51 - 5.59)								
Aroclor-1016	1	5	5.66	(5.62 - 5.70)								
Aroclor-1260	1	1	7.28	(7.24 - 7.32)								
Aroclor-1260	1	2	7.53	(7.49 - 7.57)								
Aroclor-1260	1	3	8.01	(7.97 - 8.05)								
Aroclor-1260	1	4	8.31	(8.27 - 8.35)								
Aroclor-1260	1	5	9.03	(8.99 - 9.07)								
Aroclor-1221	1	1										
Aroclor-1221	1	2										
Aroclor-1221	1	3										
Aroclor-1232	1	1										
Aroclor-1232	1	2										
Aroclor-1232	1	3										
Aroclor-1232	1	4										
Aroclor-1232	1	5										
Aroclor-1242	1	1										
Aroclor-1242	1	2										
Aroclor-1242	1	3										
Aroclor-1242	1	4										
Aroclor-1242	1	5										
Aroclor-1248	1	1										
Aroclor-1248	1	2										
Aroclor-1248	1	3										
Aroclor-1248	1	4										
Aroclor-1248	1	5										
Aroclor-1254	1	1										
Aroclor-1254	1	2										
Aroclor-1254	1	3										
Aroclor-1254	1	4										
Aroclor-1254	1	5										
Aroclor-1262	1	1										
Aroclor-1262	1	2										
Aroclor-1262	1	3										
Aroclor-1262	1	4										
Aroclor-1262	1	5										
Aroclor-1268	1	1										
Aroclor-1268	1	2										
Aroclor-1268	1	3										
Aroclor-1268	1	4										
Aroclor-1268	1	5										
DCB-Surrogate	1	0	10.40	(10.34 - 10.46)								
TCMX-Surrogate	2	0	3.99	(3.93 - 4.05)								
Aroclor-1016	2	1	4.58	(4.53 - 4.61)								
Aroclor-1016	2	2	4.99	(4.95 - 5.03)								
Aroclor-1016	2	3	5.37	(5.32 - 5.40)								
Aroclor-1016	2	4	5.69	(5.65 - 5.73)								
Aroclor-1016	2	5	6.05	(6.01 - 6.09)								
Aroclor-1260	2	1	7.35	(7.31 - 7.39)								
Aroclor-1260	2	2	7.43	(7.39 - 7.47)								
Aroclor-1260	2	3	8.42	(8.38 - 8.46)								
Aroclor-1260	2	4	9.12	(9.08 - 9.16)								
Aroclor-1260	2	5	9.71	(9.67 - 9.75)								
Aroclor-1221	2	1										
Aroclor-1221	2	2										
Aroclor-1221	2	3										
Aroclor-1232	2	1										
Aroclor-1232	2	2										
Aroclor-1232	2	3										
Aroclor-1232	2	4										
Aroclor-1232	2	5										
Aroclor-1242	2	1										
Aroclor-1242	2	2										
Aroclor-1242	2	3										
Aroclor-1242	2	4										
Aroclor-1242	2	5										
Aroclor-1248	2	1										
Aroclor-1248	2	2										
Aroclor-1248	2	3										
Aroclor-1248	2	4										
Aroclor-1248	2	5										
Aroclor-1254	2	1										
Aroclor-1254	2	2										
Aroclor-1254	2	3										
Aroclor-1254	2	4										
Aroclor-1254	2	5										
Aroclor-1262	2	1										
Aroclor-1262	2	2										
Aroclor-1262	2	3										
Aroclor-1262	2	4										
Aroclor-1262	2	5										
Aroclor-1268	2	1										
Aroclor-1268	2	2										
Aroclor-1268	2	3										
Aroclor-1268	2	4										
Aroclor-1268	2	5										
DCB-Surrogate	2	0	10.82	(10.76 - 10.88)								

Pesticide Data

Form1

ORGANICS PESTICIDE REPORT

Sample Number: AC67271-001
Client Id: MW-1 U
Data File: 5G41304.D
Analysis Date: 07/31/12 10:34
Date Rec/Extracted: 07/25/12-07/30/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081A
Matrix: Aqueous
Initial Vol: 500ml
Final Vol: 2.5ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
309-00-2	Aldrin	0.010	U	7421-93-4	Endrin Aldehyde	0.010	U
319-84-6	alpha-BHC	0.010	U	53494-70-5	Endrin Ketone	0.010	U
319-85-7	beta-BHC	0.010	U	58-89-9	gamma-BHC	0.010	U
57-74-9	Chlordane	0.10	U	76-44-8	Heptachlor	0.010	U
319-86-8	delta-BHC	0.010	U	1024-57-3	Heptachlor Epoxide	0.010	U
60-57-1	Dieldrin	0.010	U	72-43-5	Methoxychlor	0.010	U
959-98-8	Endosulfan I	0.010	U	72-54-8	p,p'-DDD	0.010	U
33213-65-9	Endosulfan II	0.010	U	72-55-9	p,p'-DDE	0.010	U
1031-07-8	Endosulfan Sulfate	0.010	U	50-29-3	p,p'-DDT	0.010	U
72-20-8	Endrin	0.010	U	8001-35-2	Toxaphene	0.25	U

Worksheet #: 235550 ***Total Target Concentration*** 0 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

2072508 0253

Data Path : G:\Gcdata\2012\GC_5\Data\07-31-12\
Data File : 5G41304.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 31-Jul-12, 10:34:58
Operator : JP/MS
Sample : AC67271-001
Misc : A,PEST
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Jul 31 11:12:51 2012
Quant Method : G:\GCDATA\2012\GC_5\METHODQT\5G_PEST0723.M
Quant Title : @GC_5,ug,608,8081
QLast Update : Tue Jul 24 08:02:35 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32

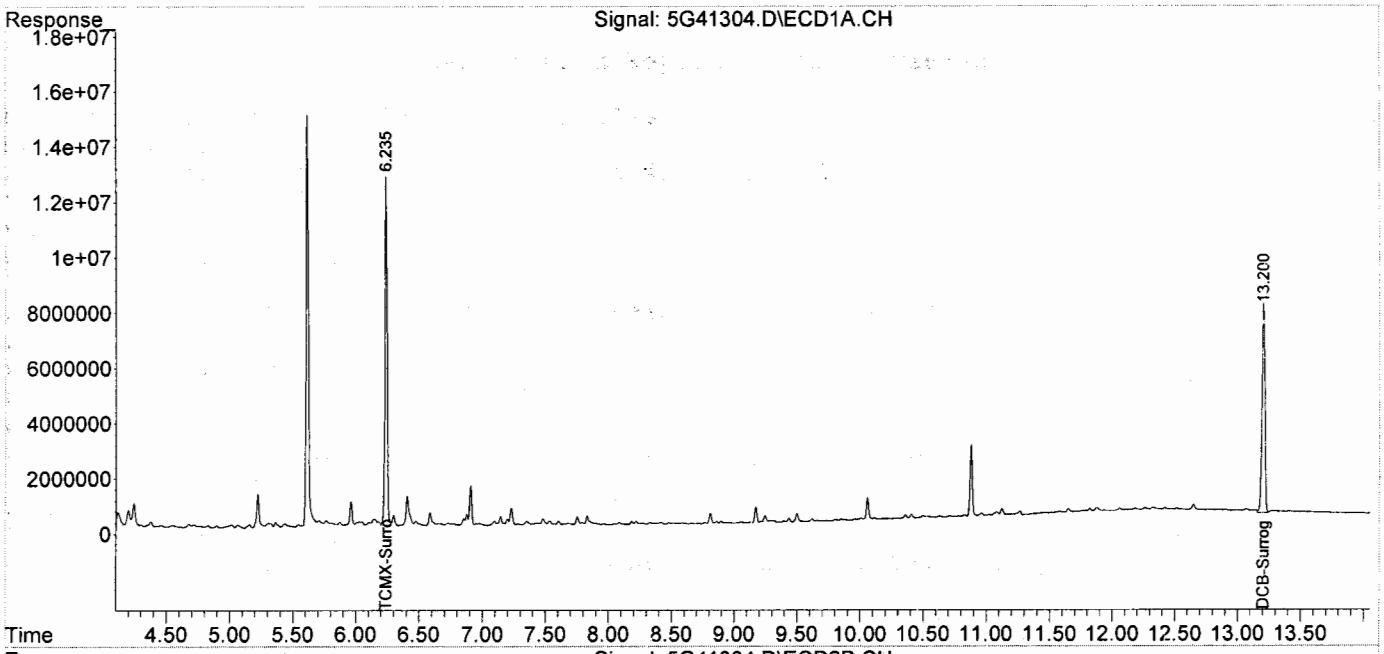
Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	6.236	6.044	152.8E6	119.4E6	81.366	85.809
22)DCB-Surrogate	13.200	13.409	121.7E6	93243650	91.115m	84.902

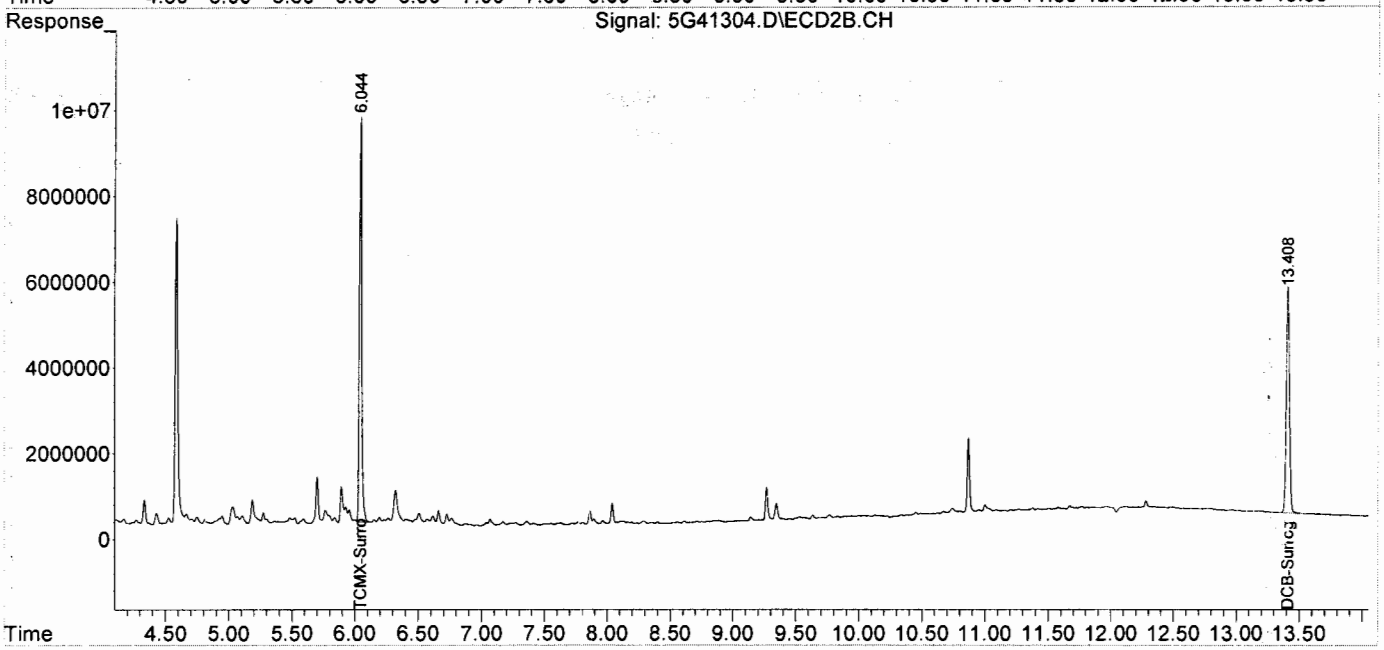
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2012\GC_5\Data\07-31-12\
Data File : 5G41304.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 31-Jul-12, 10:34:58
Operator : JP/MS
Sample : AC67271-001
Misc : A,PEST
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Jul 31 11:12:51 2012
Quant Method : G:\GCDATA\2012\GC_5\METHODQT\5G_PEST0723.M
Quant Title : @GC_5,ug,608,8081
QLast Update : Tue Jul 24 08:02:35 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AC67271-003
Client Id: MW-2 U
Data File: 5G41299.D
Analysis Date: 07/31/12 09:04
Date Rec/Extracted: 07/25/12-07/30/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081A
Matrix: Aqueous
Initial Vol: 950ml
Final Vol: 5ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
309-00-2	Aldrin	0.011	U	7421-93-4	Endrin Aldehyde	0.011	U
319-84-6	alpha-BHC	0.011	U	53494-70-5	Endrin Ketone	0.011	U
319-85-7	beta-BHC	0.011	U	58-89-9	gamma-BHC	0.011	U
57-74-9	Chlordane	0.11	U	76-44-8	Heptachlor	0.011	U
319-86-8	delta-BHC	0.011	U	1024-57-3	Heptachlor Epoxide	0.011	U
60-57-1	Dieldrin	0.011	U	72-43-5	Methoxychlor	0.011	U
959-98-8	Endosulfan I	0.011	U	72-54-8	p,p'-DDD	0.011	U
33213-65-9	Endosulfan II	0.011	U	72-55-9	p,p'-DDE	0.011	U
1031-07-8	Endosulfan Sulfate	0.011	U	50-29-3	p,p'-DDT	0.011	U
72-20-8	Endrin	0.011	U	8001-35-2	Toxaphene	0.26	U

Worksheet #: 235550

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

2072508 0256

Data Path : G:\Gcdata\2012\GC_5\Data\07-31-12\
Data File : 5G41299.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 31-Jul-12, 09:04:27
Operator : JP/MS
Sample : AC67271-003
Misc : A,PEST
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Jul 31 10:08:10 2012
Quant Method : G:\GCDATA\2012\GC_5\METHODQT\5G_PEST0723.M
Quant Title : @GC_5,ug,608,8081
QLast Update : Tue Jul 24 08:02:35 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32

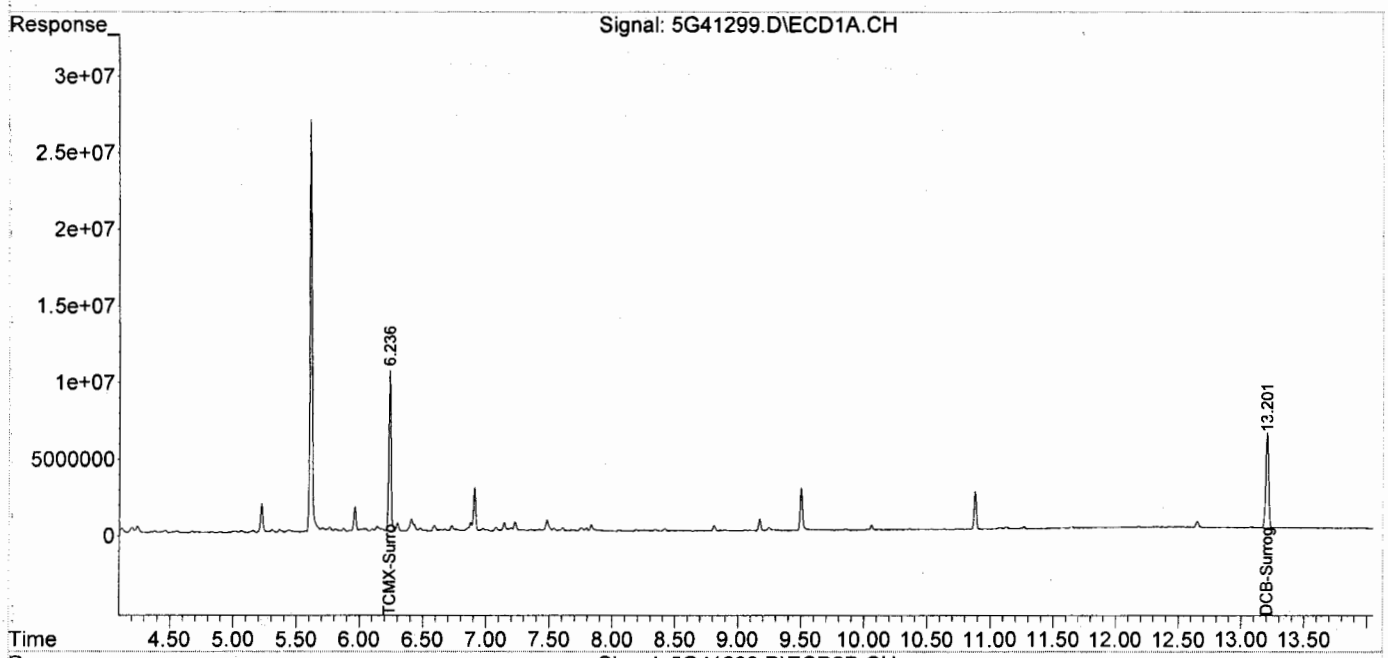
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	6.236	6.042	126.3E6	101.2E6	67.225	72.705
22)	DCB-Surrogate	13.201	13.408	97771005	76435753	73.187m	69.598

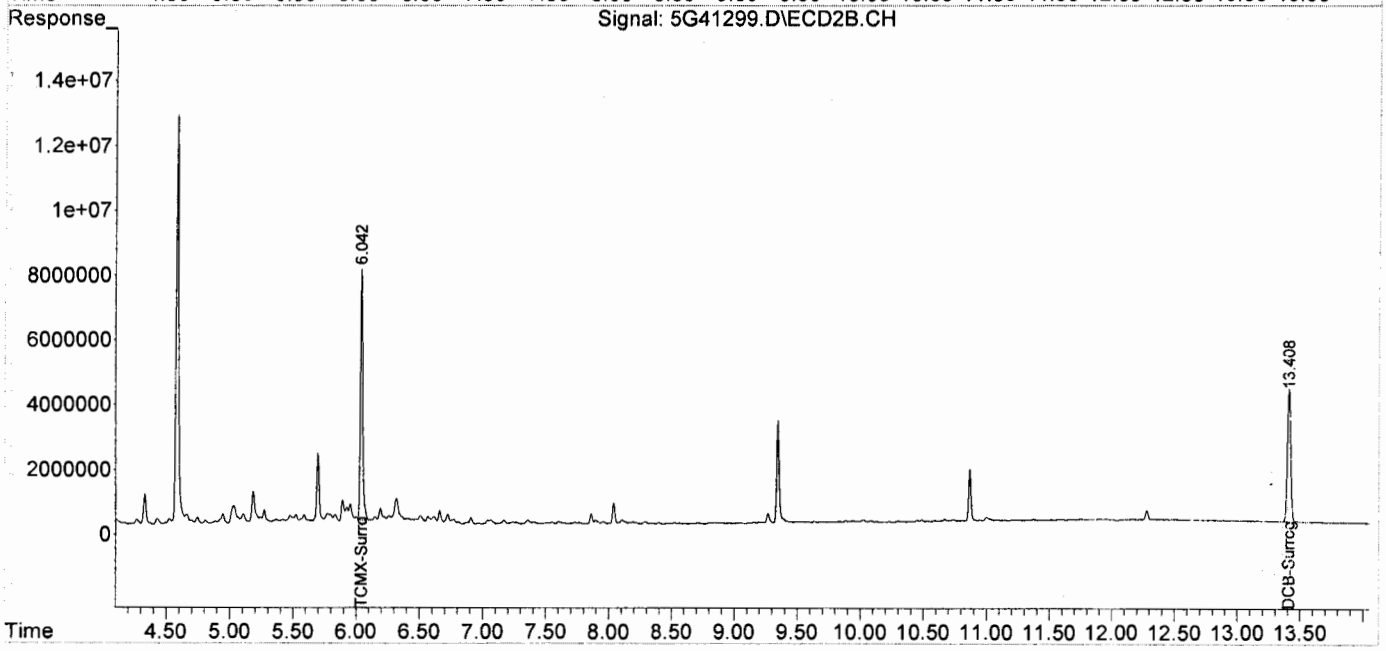
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2012\GC_5\Data\07-31-12\
Data File : 5G41299.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 31-Jul-12, 09:04:27
Operator : JP/MS
Sample : AC67271-003
Misc : A,PEST
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Jul 31 10:08:10 2012
Quant Method : G:\GCDATA\2012\GC_5\METHODQT\5G_PEST0723.M
Quant Title : @GC_5,ug,608,8081
QLast Update : Tue Jul 24 08:02:35 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AC67271-005
Client Id: MW-3 U
Data File: 6G34521.D
Analysis Date: 07/31/12 10:19
Date Rec/Extracted: 07/25/12-07/30/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081A
Matrix: Aqueous
Initial Vol: 950ml
Final Vol: 5ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
309-00-2	Aldrin	0.011	U	7421-93-4	Endrin Aldehyde	0.011	U
319-84-6	alpha-BHC	0.011	U	53494-70-5	Endrin Ketone	0.011	U
319-85-7	beta-BHC	0.011	U	58-89-9	gamma-BHC	0.011	U
57-74-9	Chlordane	0.11	U	76-44-8	Heptachlor	0.011	U
319-86-8	delta-BHC	0.011	U	1024-57-3	Heptachlor Epoxide	0.011	U
60-57-1	Dieldrin	0.011	U	72-43-5	Methoxychlor	0.011	U
959-98-8	Endosulfan I	0.011	U	72-54-8	p,p'-DDD	0.011	U
33213-65-9	Endosulfan II	0.011	U	72-55-9	p,p'-DDE	0.011	U
1031-07-8	Endosulfan Sulfate	0.011	U	50-29-3	p,p'-DDT	0.011	U
72-20-8	Endrin	0.011	U	8001-35-2	Toxaphene	0.26	U

Worksheet #: 235550 ***Total Target Concentration*** 0 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

2072508 0259

Data Path : G:\Gcdata\2012\GC_6\Data\07-31-12\
Data File : 6G34521.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 31 Jul 2012 10:19
Operator : JP/MS
Sample : AC67271-005
Misc : A,PEST
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Jul 31 11:34:54 2012
Quant Method : G:\GCDATA\2012\GC_6\METHODQT\6G_P0726.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Thu Jul 26 11:57:02 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	5.146	4.934	1029760	854668	90.299	93.334
22)DCB-Surrogate	12.456	12.610	604236	448190	39.323m	39.194

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

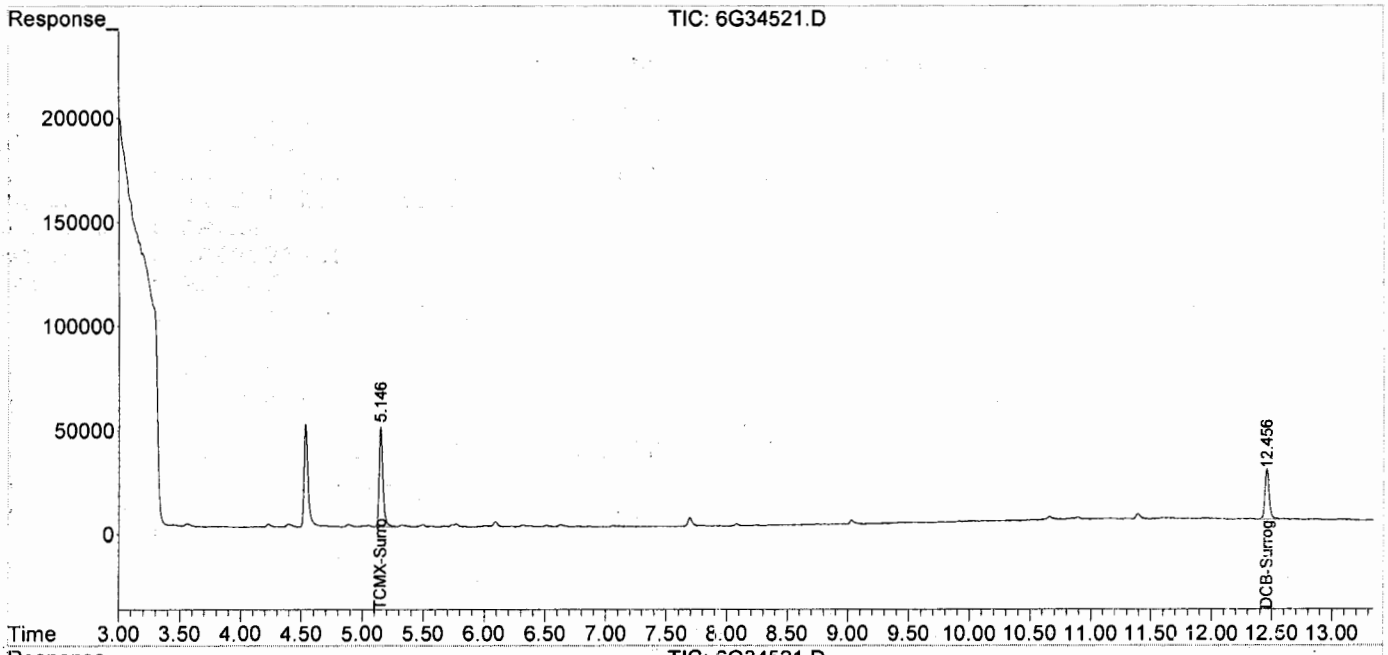
Quantitation Report (QT Reviewed)

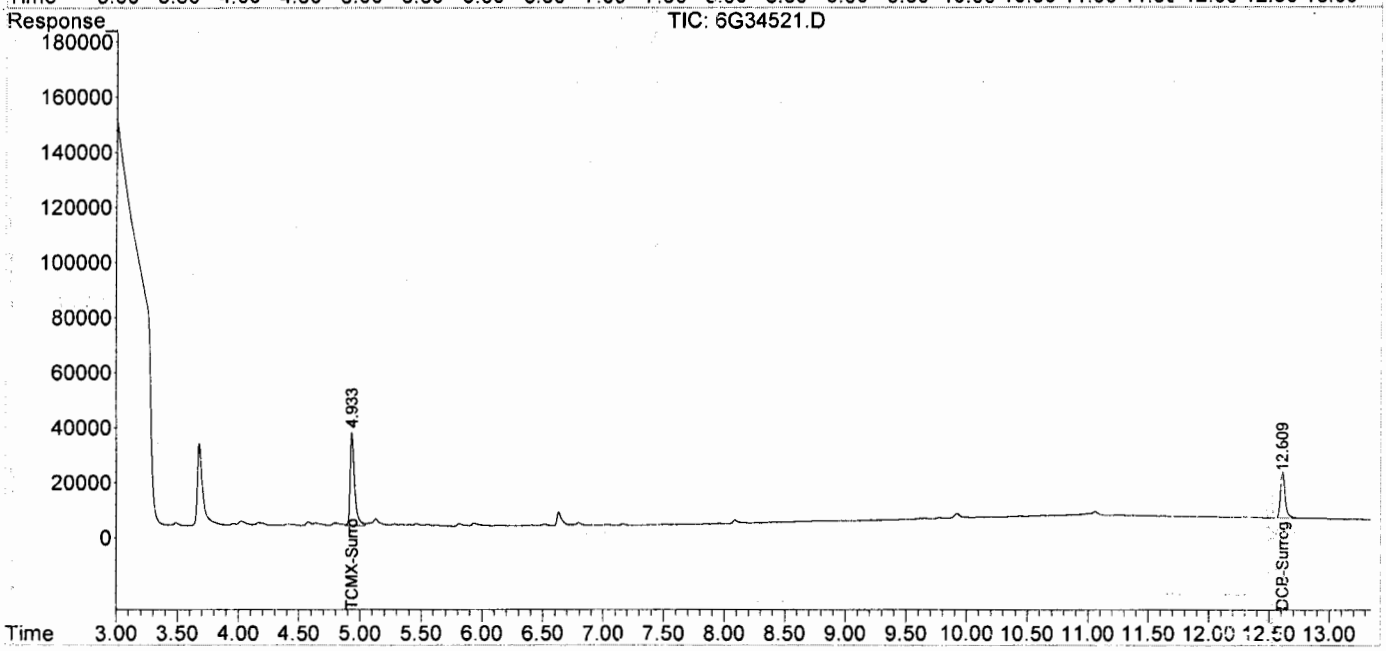
2072508 0260

Data Path : G:\Gcdata\2012\GC_6\Data\07-31-12\
Data File : 6G34521.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 31 Jul 2012 10:19
Operator : JP/MS
Sample : AC67271-005
Misc : A,PEST
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Jul 31 11:34:54 2012
Quant Method : G:\GCDATA\2012\GC_6\METHODQT\6G_P0726.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Thu Jul 26 11:57:02 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AC67271-007(R)
Client Id: MW-3 DUPLICATE U
Data File: 5G41314.D
Analysis Date: 08/01/12 08:19
Date Rec/Extracted: 07/25/12-07/31/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081A
Matrix: Aqueous
Initial Vol: 770ml
Final Vol: 2.5ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
309-00-2	Aldrin	0.0065	U	7421-93-4	Endrin Aldehyde	0.0065	U
319-84-6	alpha-BHC	0.0065	U	53494-70-5	Endrin Ketone	0.0065	U
319-85-7	beta-BHC	0.0065	U	58-89-9	gamma-BHC	0.0065	U
57-74-9	Chlordane	0.065	U	76-44-8	Heptachlor	0.0065	U
319-86-8	delta-BHC	0.0065	U	1024-57-3	Heptachlor Epoxide	0.0065	U
60-57-1	Dieldrin	0.0065	U	72-43-5	Methoxychlor	0.0065	U
959-98-8	Endosulfan I	0.0065	U	72-54-8	p,p'-DDD	0.0065	U
33213-65-9	Endosulfan II	0.0065	U	72-55-9	p,p'-DDE	0.0065	U
1031-07-8	Endosulfan Sulfate	0.0065	U	50-29-3	p,p'-DDT	0.0065	U
72-20-8	Endrin	0.0065	U	8001-35-2	Toxaphene	0.16	U

Worksheet #: 235550 ***Total Target Concentration*** 0 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

2072508 0262

Data Path : G:\Gcdata\2012\GC_5\Data\08-01-12\
Data File : 5G41314.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01-Aug-12, 08:19:15
Operator : MS
Sample : AC67271-007(R) (Sig #1); AC67271-007 (Sig #2)
Misc : A,PEST
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Aug 01 09:02:09 2012
Quant Method : G:\GCDATA\2012\GC_5\METHODQT\5G_PEST0723.M
Quant Title : @GC_5,ug,608,8081
QLast Update : Tue Jul 24 08:02:35 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	6.236	6.044	103.2E6	79319705	54.960	57.012
22)DCB-Surrogate	13.203	13.409	73996354	55459448	55.390m	50.498

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

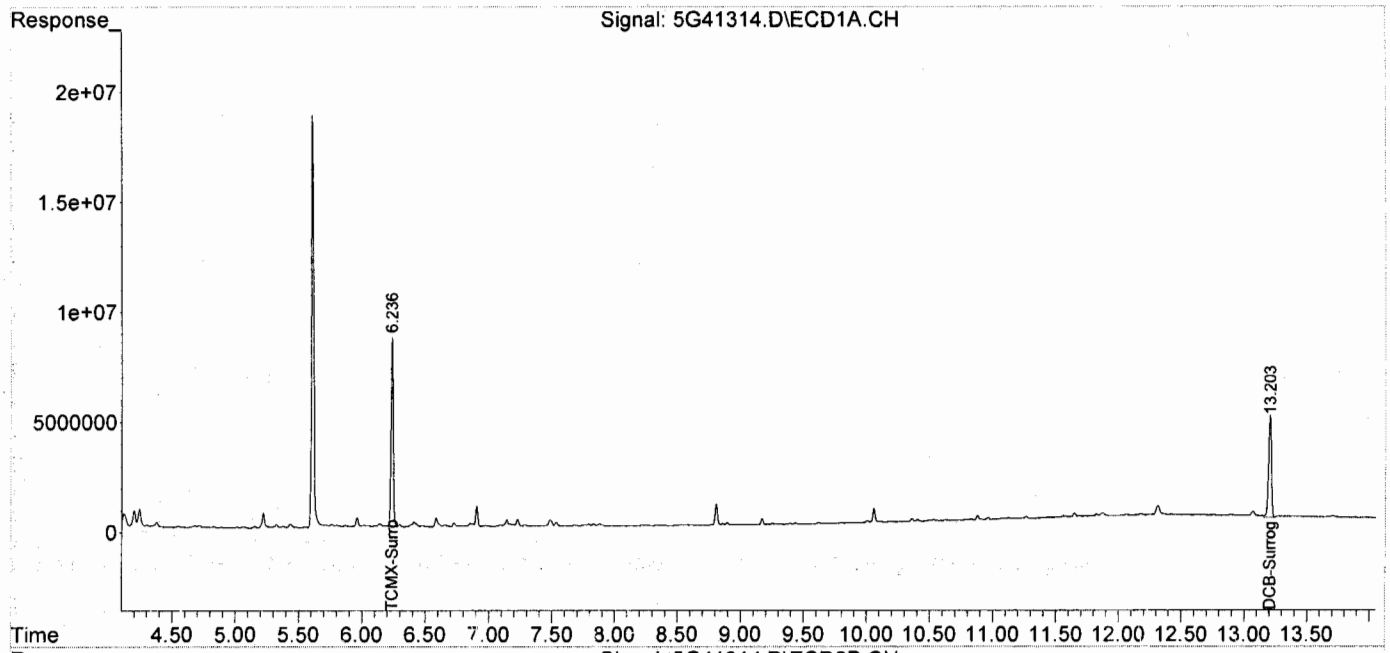
Quantitation Report (QT Reviewed)

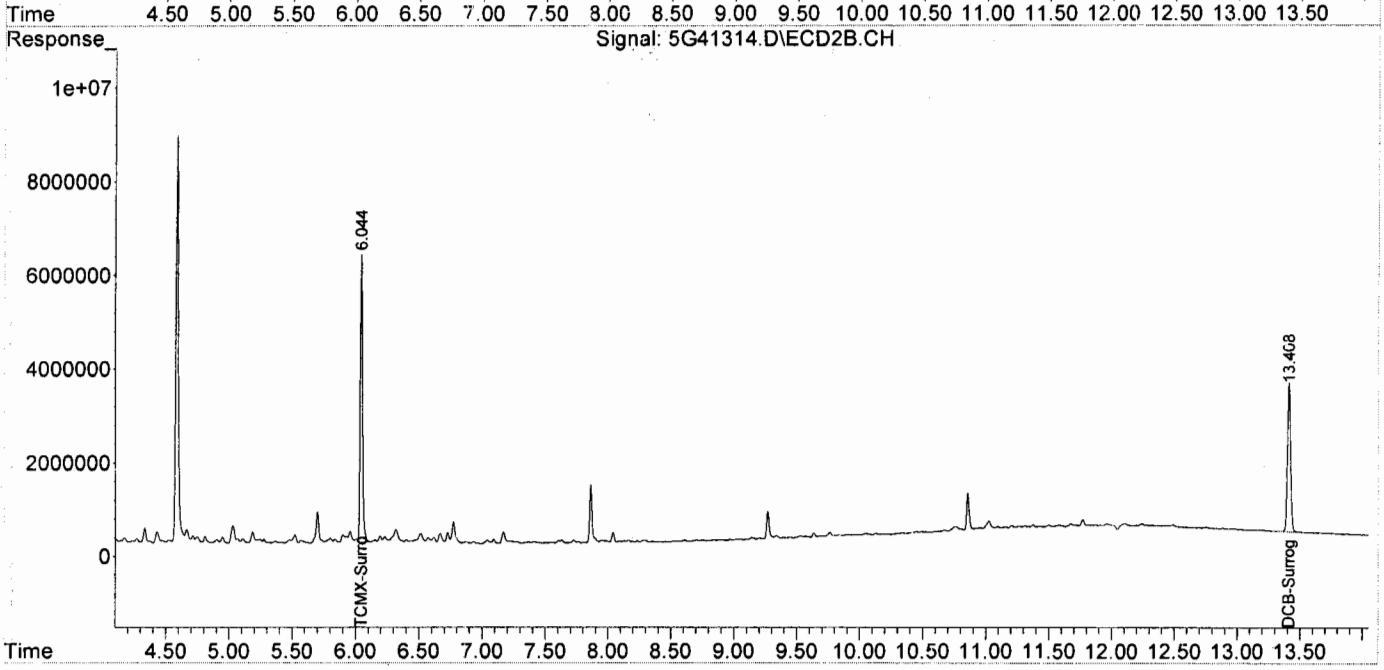
2072508 0263

Data Path : G:\Gcdata\2012\GC_5\Data\08-01-12\
Data File : 5G41314.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01-Aug-12, 08:19:15
Operator : MS
Sample : AC67271-007(R) (Sig #1); AC67271-007 (Sig #2)
Misc : A,PEST
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Aug 01 09:02:09 2012
Quant Method : G:\GCDATA\2012\GC_5\METHODQT\5G_PEST0723.M
Quant Title : @GC_5,ug,608,8081
QLast Update : Tue Jul 24 08:02:35 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AC67271-009
Client Id: MW-4 U
Data File: 5G41303.D
Analysis Date: 07/31/12 10:17
Date Rec/Extracted: 07/25/12-07/30/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081A
Matrix: Aqueous
Initial Vol: 960ml
Final Vol: 5ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
309-00-2	Aldrin	0.010	U	7421-93-4	Endrin Aldehyde	0.010	U
319-84-6	alpha-BHC	0.010	U	53494-70-5	Endrin Ketone	0.010	U
319-85-7	beta-BHC	0.010	U	58-89-9	gamma-BHC	0.010	U
57-74-9	Chlordane	0.10	U	76-44-8	Heptachlor	0.010	U
319-86-8	delta-BHC	0.010	U	1024-57-3	Heptachlor Epoxide	0.010	U
60-57-1	Dieldrin	0.010	U	72-43-5	Methoxychlor	0.010	U
959-98-8	Endosulfan I	0.010	U	72-54-8	p,p'-DDD	0.010	U
33213-65-9	Endosulfan II	0.010	U	72-55-9	p,p'-DDE	0.010	U
1031-07-8	Endosulfan Sulfate	0.010	U	50-29-3	p,p'-DDT	0.010	U
72-20-8	Endrin	0.010	U	8001-35-2	Toxaphene	0.26	U

Worksheet #: 235550 ***Total Target Concentration*** 0 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

2072508 0265

Data Path : G:\Gcdata\2012\GC_5\Data\07-31-12\
Data File : 5G41303.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 31-Jul-12, 10:17:04
Operator : JP/MS
Sample : AC67271-009
Misc : A,PEST
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Jul 31 11:12:16 2012
Quant Method : G:\GCDATA\2012\GC_5\METHODQT\5G_PEST0723.M
Quant Title : @GC_5,ug,608,8081
QLast Update : Tue Jul 24 08:02:35 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	6.236	6.045	146.4E6	114.5E6	77.931	82.327
22)DCB-Surrogate	13.201	13.409	110.7E6	86340041	82.837m	78.616

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

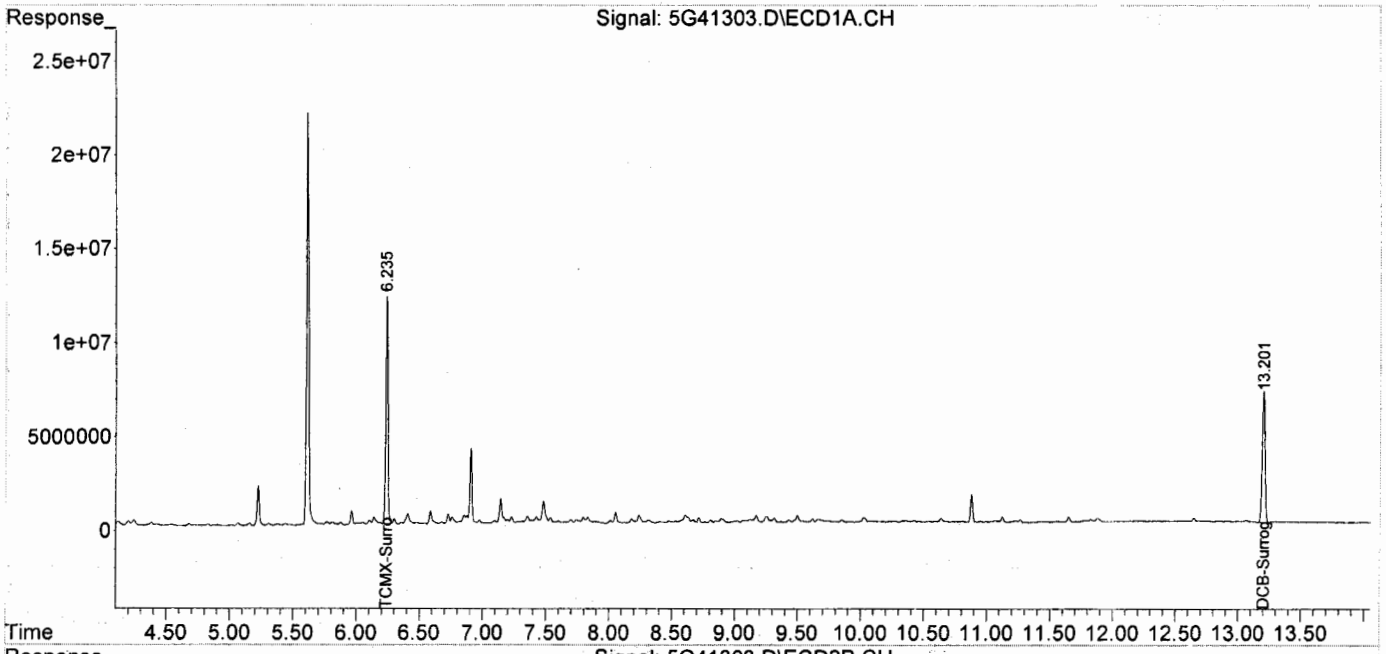
Quantitation Report (QT Reviewed)

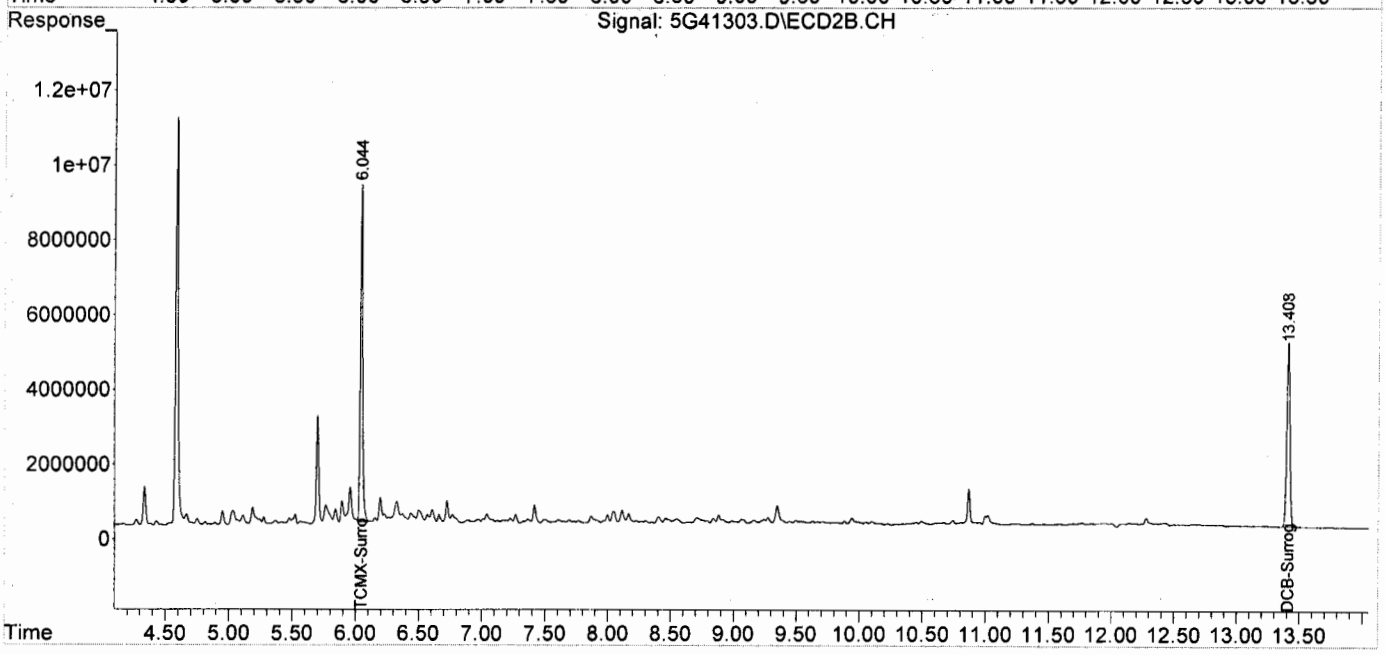
2072508 0266

Data Path : G:\Gcdata\2012\GC_5\Data\07-31-12\
Data File : 5G41303.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 31-Jul-12, 10:17:04
Operator : JP/MS
Sample : AC67271-009
Misc : A,PEST
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Jul 31 11:12:16 2012
Quant Method : G:\GCDATA\2012\GC_5\METHODQT\5G_PEST0723.M
Quant Title : @GC_5,ug,608,8081
QLast Update : Tue Jul 24 08:02:35 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AC67271-012
Client Id: FIELD BLANK U
Data File: 5G41302.D
Analysis Date: 07/31/12 09:59
Date Rec/Extracted: 07/25/12-07/30/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081A
Matrix: Aqueous
Initial Vol: 980ml
Final Vol: 5ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
309-00-2	Aldrin	0.010	U	7421-93-4	Endrin Aldehyde	0.010	U
319-84-6	alpha-BHC	0.010	U	53494-70-5	Endrin Ketone	0.010	U
319-85-7	beta-BHC	0.010	U	58-89-9	gamma-BHC	0.010	U
57-74-9	Chlordane	0.10	U	76-44-8	Heptachlor	0.010	U
319-86-8	delta-BHC	0.010	U	1024-57-3	Heptachlor Epoxide	0.010	U
60-57-1	Dieldrin	0.010	U	72-43-5	Methoxychlor	0.010	U
959-98-8	Endosulfan I	0.010	U	72-54-8	p,p'-DDD	0.010	U
33213-65-9	Endosulfan II	0.010	U	72-55-9	p,p'-DDE	0.010	U
1031-07-8	Endosulfan Sulfate	0.010	U	50-29-3	p,p'-DDT	0.010	U
72-20-8	Endrin	0.010	U	8001-35-2	Toxaphene	0.26	U

Worksheet #: 235550

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

Quantitation Report (QT Reviewed)

2072508 0268

Data Path : G:\Gcdata\2012\GC_5\Data\07-31-12\
Data File : 5G41302.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 31-Jul-12, 09:59:18
Operator : JP/MS
Sample : AC67271-012
Misc : A,PEST
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Jul 31 10:28:25 2012
Quant Method : G:\GCDATA\2012\GC_5\METHODQT\5G_PEST0723.M
Quant Title : @GC_5,ug,608,8081
QLast Update : Tue Jul 24 08:02:35 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32

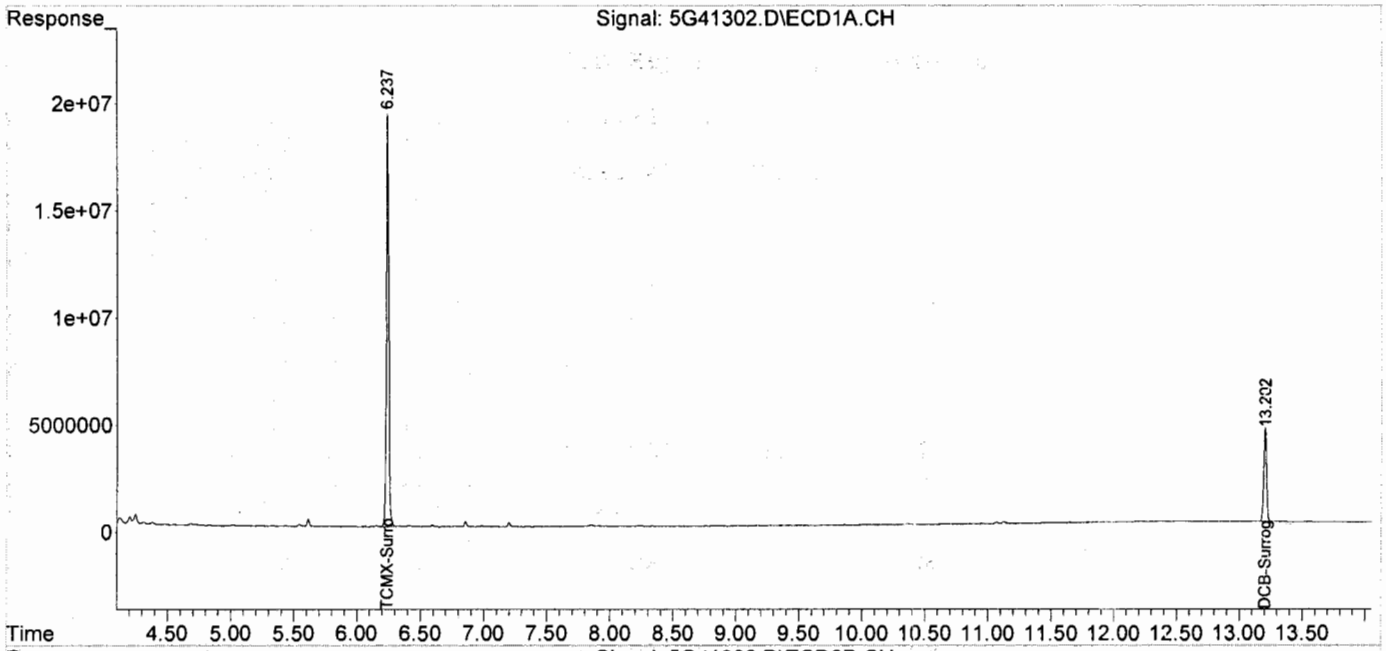
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	6.237	6.044	248.5E6	175.6E6	132.278	126.213
22)	DCB-Surrogate	13.202	13.409	68808765	54028351	51.507	49.195

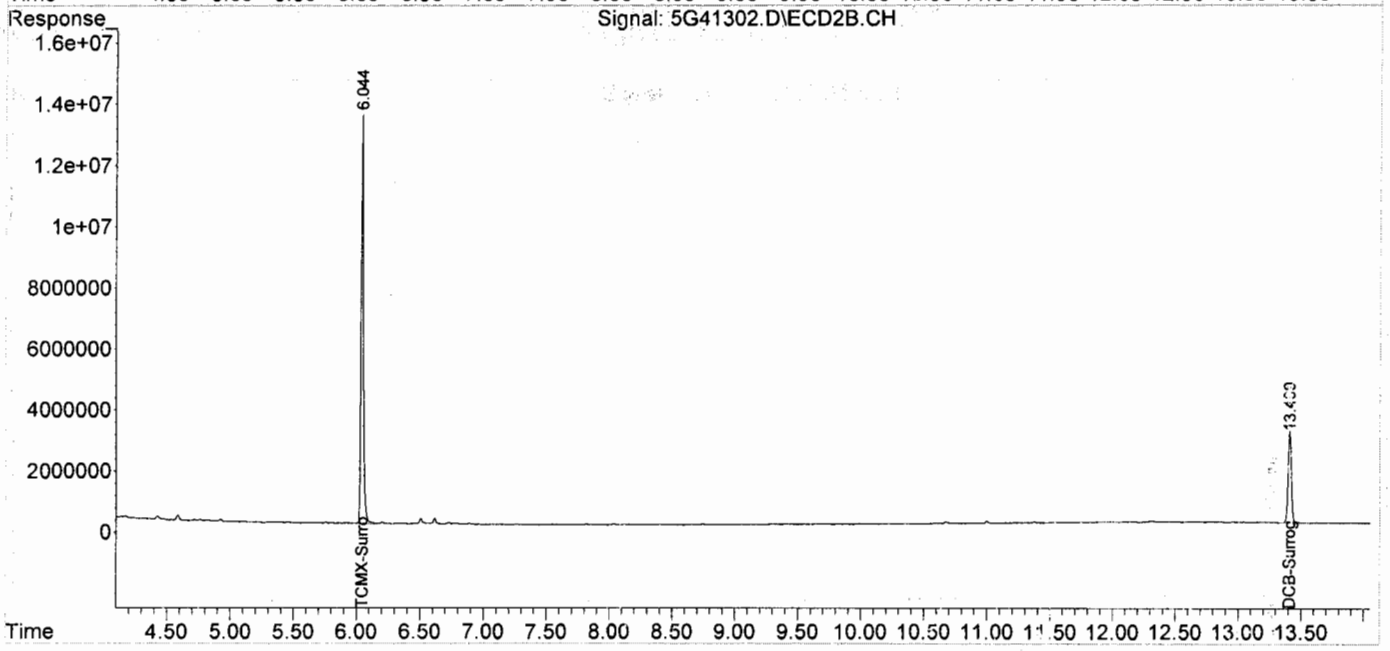
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2012\GC_5\Data\07-31-12\
Data File : 5G41302.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 31-Jul-12, 09:59:18
Operator : JP/MS
Sample : AC67271-012
Misc : A,PEST
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Jul 31 10:28:25 2012
Quant Method : G:\GCDATA\2012\GC_5\METHODQT\5G_PEST0723.M
Quant Title : @GC_5,ug,608,8081
QLast Update : Tue Jul 24 08:02:35 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: WMB14957
Client Id:
Data File: 5G41290.D
Analysis Date: 07/31/12 05:47
Date Rec/Extracted: NA-07/30/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081A
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 5ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
309-00-2	Aldrin	0.010	U	7421-93-4	Endrin Aldehyde	0.010	U
319-84-6	alpha-BHC	0.010	U	53494-70-5	Endrin Ketone	0.010	U
319-85-7	beta-BHC	0.010	U	58-89-9	gamma-BHC	0.010	U
57-74-9	Chlordane	0.10	U	76-44-8	Heptachlor	0.010	U
319-86-8	delta-BHC	0.010	U	1024-57-3	Heptachlor Epoxide	0.010	U
60-57-1	Dieldrin	0.010	U	72-43-5	Methoxychlor	0.010	U
959-98-8	Endosulfan I	0.010	U	72-54-8	p,p'-DDD	0.010	U
33213-65-9	Endosulfan II	0.010	U	72-55-9	p,p'-DDE	0.010	U
1031-07-8	Endosulfan Sulfate	0.010	U	50-29-3	p,p'-DDT	0.010	U
72-20-8	Endrin	0.010	U	8001-35-2	Toxaphene	0.25	U

Worksheet #: 235550

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

Quantitation Report (QT Reviewed)

2072508 0271

Data Path : G:\Gcdata\2012\GC_5\Data\07-31-12\
Data File : 5G41290.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 31-Jul-12, 05:47:42
Operator : JP/MS
Sample : WMB14957
Misc : A,PEST
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Jul 31 08:43:37 2012
Quant Method : G:\GCDATA\2012\GC_5\METHODQT\5G_PEST0723.M
Quant Title : @GC_5,ug,608,8081
QLast Update : Tue Jul 24 08:02:35 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32

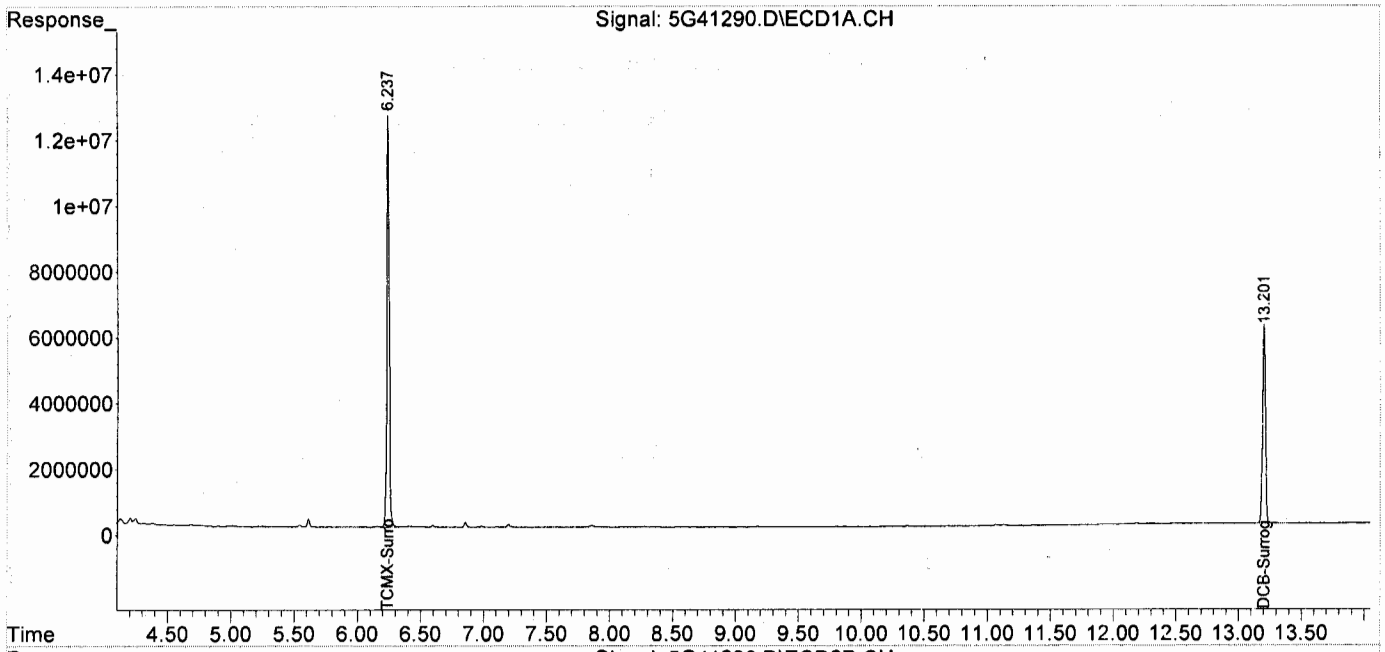
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	6.238	6.047	163.5E6	119.8E6	87.065	86.103
22)	DCB-Surrogate	13.201	13.409	96646207	75173288	72.345	68.448

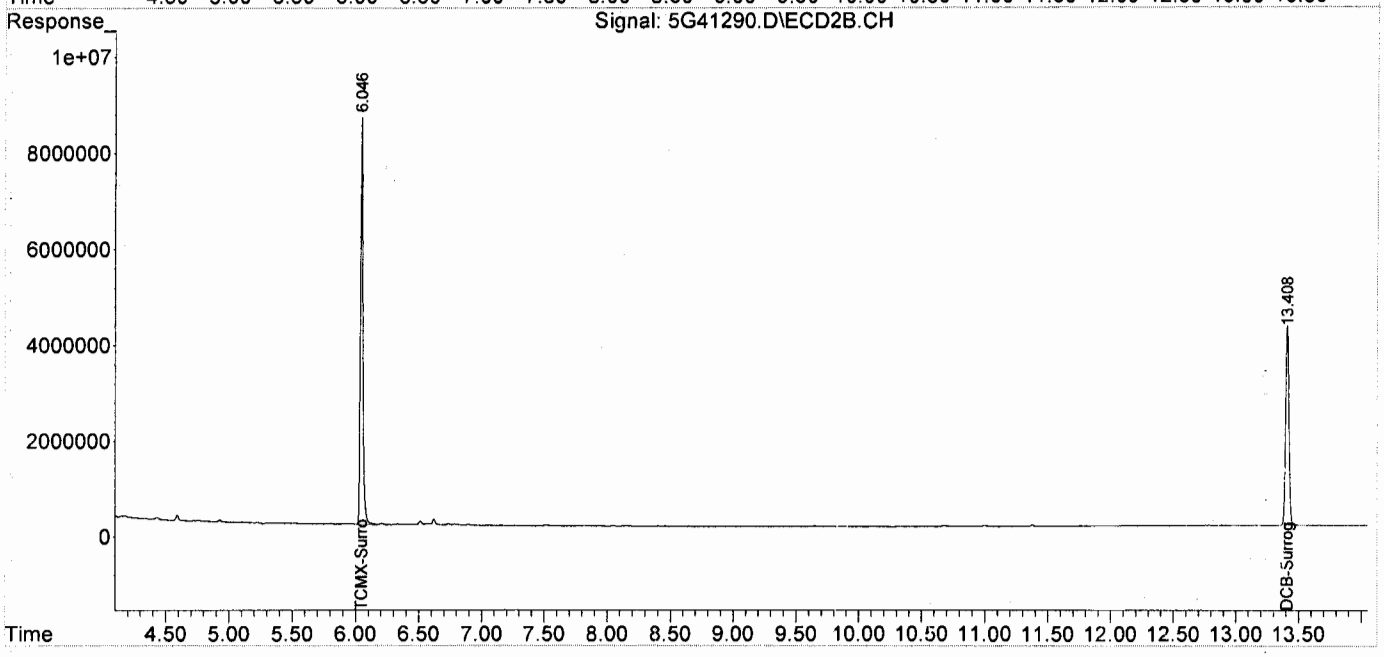
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2012\GC_5\Data\07-31-12\
Data File : 5G41290.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 31-Jul-12, 05:47:42
Operator : JP/MS
Sample : WMB14957
Misc : A,PEST
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Jul 31 08:43:37 2012
Quant Method : G:\GCDATA\2012\GC_5\METHODQT\5G_PEST0723.M
Quant Title : @GC_5,ug,608,8081
QLast Update : Tue Jul 24 08:02:35 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: WMB14973
Client Id:
Data File: 5G41312.D
Analysis Date: 08/01/12 07:43
Date Rec/Extracted: NA-07/31/12
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081A
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 5ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
309-00-2	Aldrin	0.010	U	7421-93-4	Endrin Aldehyde	0.010	U
319-84-6	alpha-BHC	0.010	U	53494-70-5	Endrin Ketone	0.010	U
319-85-7	beta-BHC	0.010	U	58-89-9	gamma-BHC	0.010	U
57-74-9	Chlordane	0.10	U	76-44-8	Heptachlor	0.010	U
319-86-8	delta-BHC	0.010	U	1024-57-3	Heptachlor Epoxide	0.010	U
60-57-1	Dieldrin	0.010	U	72-43-5	Methoxychlor	0.010	U
959-98-8	Endosulfan I	0.010	U	72-54-8	p,p'-DDD	0.010	U
33213-65-9	Endosulfan II	0.010	U	72-55-9	p,p'-DDE	0.010	U
1031-07-8	Endosulfan Sulfate	0.010	U	50-29-3	p,p'-DDT	0.010	U
72-20-8	Endrin	0.010	U	8001-35-2	Toxaphene	0.25	U

Worksheet #: 235550

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

2072508 0274

Data Path : G:\Gcdata\2012\GC_5\Data\08-01-12\
Data File : 5G41312.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01-Aug-12, 07:43:52
Operator : MS
Sample : WMB14973
Misc : A,PEST
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Aug 01 09:00:39 2012
Quant Method : G:\GCDATA\2012\GC_5\METHODQT\5G_PEST0723.M
Quant Title : @GC_5,ug,608,8081
QLast Update : Tue Jul 24 08:02:35 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	6.238	6.036	172.9E6	125.8E6	92.049	90.445
22)DCB-Surrogate	13.209	13.408	116.5E6	88844414	87.220	80.897

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

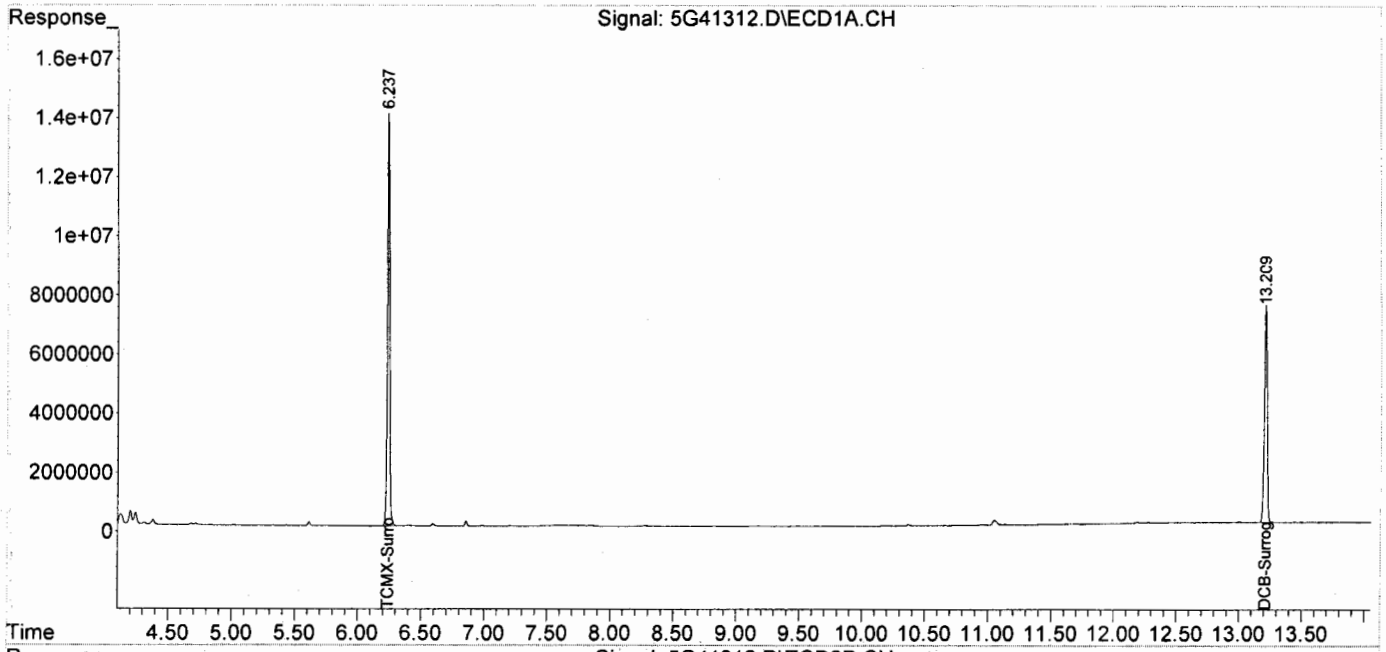
Quantitation Report (QT Reviewed)

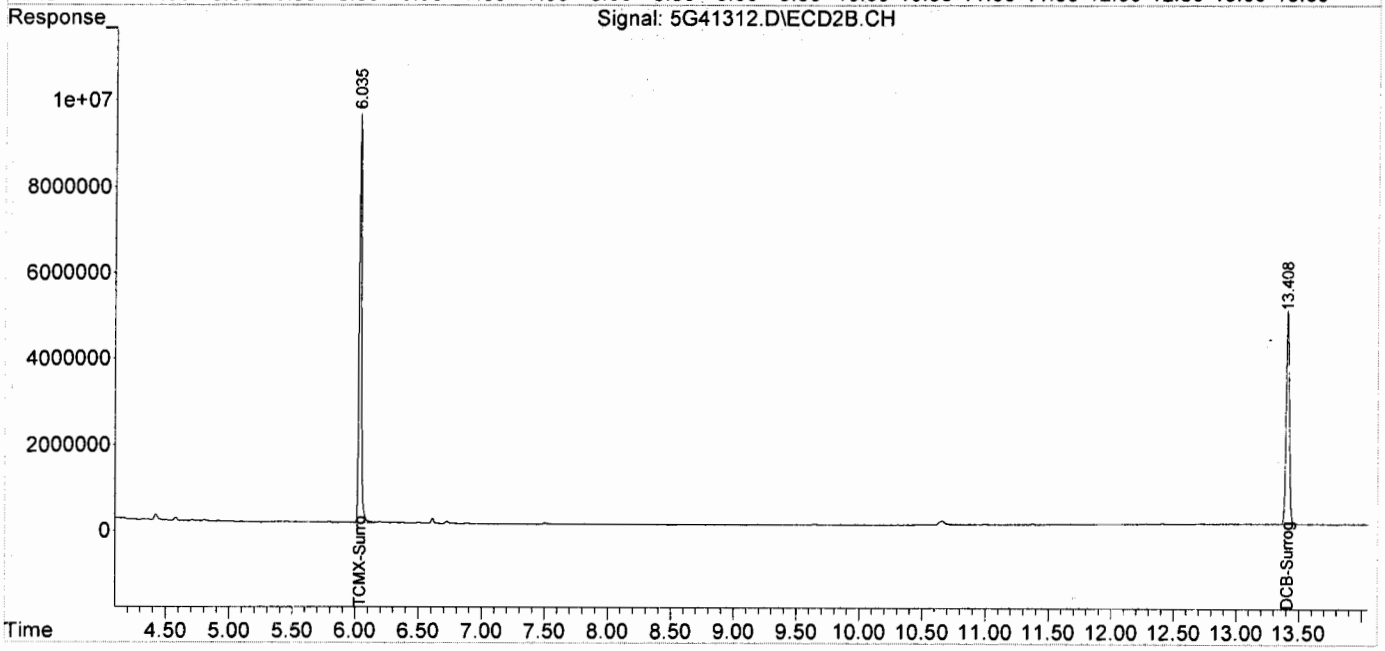
2072508 0275

Data Path : G:\Gcdata\2012\GC_5\Data\08-01-12\
Data File : 5G41312.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01-Aug-12, 07:43:52
Operator : MS
Sample : WMB14973
Misc : A,PEST
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.E
Integration File signal 2: Pest2.e
Quant Time: Aug 01 09:00:39 2012
Quant Method : G:\GCDATA\2012\GC_5\METHODQT\5G_PEST0723.M
Quant Title : @GC_5,ug,608,8081
QLast Update : Tue Jul 24 08:02:35 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701 Signal #2 Phase: db-608
Signal #1 Info : .32 Signal #2 Info : .32





FORM2

Surrogate Recovery

Method: EPA 8081A

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column2 S2 Recov	Column1 S3 Recov	Column2 S4 Recov	Column0 S5 Recov	Column0 S6 Recov
5G41218.D	WMB14932	Aqueous	07/26/12 14:45	1		88	91	79	79		
5G41290.D	WMB14957	Aqueous	07/31/12 05:47	1		87	86	72	68		
5G41312.D	WMB14973	Aqueous	08/01/12 07:43	1		92	90	87	81		
5G41304.D	AC67271-001	Aqueous	07/31/12 10:34	1		81	86	91	85		
5G41299.D	AC67271-003	Aqueous	07/31/12 09:04	1		67	73	73	70		
6G34521.D	AC67271-005	Aqueous	07/31/12 10:19	1		90	93	39	39		
5G41314.D	AC67271-007(	Aqueous	08/01/12 08:19	1		55	57	55	50		
5G41303.D	AC67271-009	Aqueous	07/31/12 10:17	1		78	82	83	79		
5G41302.D	AC67271-012	Aqueous	07/31/12 09:59	1		132	126	52	49		
5G41216.D	WMB14932(M	Aqueous	07/26/12 14:10	1		100	103	75	75		
5G41222.D	AC67160-001(	Aqueous	07/26/12 16:10	1		92	99	102	101		
5G41223.D	AC67160-001(	Aqueous	07/26/12 16:28	1		99	106	104	104		
5G41225.D	AC67160-001(	Aqueous	07/26/12 17:10	1		91	96	95	94		
5G41289.D	WMB14957(M	Aqueous	07/31/12 05:29	1		82	81	66	62		
5G41313.D	WMB14973(M	Aqueous	08/01/12 08:01	1		86	85	82	77		

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: EPA 8081A

Aqueous Limits

Compound	Spike Amt	Limits
S1=TCMX-Surrogate	100	39-132
S2=TCMX-Surrogate	100	39-132
S3=DCB-Surrogate	100	39-142
S4=DCB-Surrogate	100	39-142

Form3
Recovery Data
QC Batch: WMB14932

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5G41216.D	WMB14932(MS)	7/26/2012 2:10:21 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8081 Matrix: Aqueous QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
alpha-BHC	1	98.78	0	100	99	50	130
gamma-BHC	1	101.93	0	100	102	50	130
beta-BHC	1	103.13	0	100	103	50	130
Heptachlor	1	99.07	0	100	99	50	130
delta-BHC	1	86.22	0	100	86	50	130
Aldrin	1	101.21	0	100	101	70	130
Heptachlor Epoxide	1	105.17	0	100	105	70	130
Endosulfan I	1	105.96	0	100	106	70	130
p,p'-DDE	1	104.21	0	100	104	70	130
Dieldrin	1	111.18	0	100	111	70	130
Endrin	1	117.79	0	100	118	70	130
p,p'-DDD	1	98.58	0	100	99	70	130
Endosulfan II	1	110.11	0	100	110	70	130
p,p'-DDT	1	101.01	0	100	101	70	130
Endrin Aldehyde	1	94.87	0	100	95	50	130
Endosulfan Sulfate	1	104.98	0	100	105	70	130
Methoxychlor	1	103.49	0	100	103	50	130
Endrin Ketone	1	100.84	0	100	101	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: WMB14957

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5G41289.D	WMB14957(MS)	7/31/2012 5:29:59 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8081 Matrix: Aqueous QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
alpha-BHC	1	112.23	0	100	112	50	130
gamma-BHC	1	112.85	0	100	113	50	130
beta-BHC	1	109.53	0	100	110	50	130
Heptachlor	1	100.5	0	100	100	50	130
delta-BHC	1	93.73	0	100	94	50	130
Aldrin	1	108.88	0	100	109	70	130
Heptachlor Epoxide	1	116.73	0	100	117	70	130
Endosulfan I	1	117.73	0	100	118	70	130
p,p'-DDE	1	116.91	0	100	117	70	130
Dieldrin	1	123.31	0	100	123	70	130
Endrin	1	130.19	0	100	130	70	130
p,p'-DDD	1	106.59	0	100	107	70	130
Endosulfan II	1	121.29	0	100	121	70	130
p,p'-DDT	1	119.86	0	100	120	70	130
Endrin Aldehyde	1	114.33	0	100	114	50	130
Endosulfan Sulfate	1	113.62	0	100	114	70	130
Methoxychlor	1	110.61	0	100	111	50	130
Endrin Ketone	1	109.53	0	100	110	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: WMB14973

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5G41313.D	WMB14973(MS)	8/1/2012 8:01:33 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8081 Matrix: Aqueous QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
alpha-BHC	1	89.45	0	100	89	50	130
gamma-BHC	1	89.88	0	100	90	50	130
beta-BHC	1	89.06	0	100	89	50	130
Heptachlor	1	82.21	0	100	82	50	130
delta-BHC	1	77.66	0	100	78	50	130
Aldrin	1	90.6	0	100	91	70	130
Heptachlor Epoxide	1	89.01	0	100	89	70	130
Endosulfan I	1	88.9	0	100	89	70	130
p,p'-DDE	1	88.44	0	100	88	70	130
Dieldrin	1	92.64	0	100	93	70	130
Endrin	1	96.55	0	100	97	70	130
p,p'-DDD	1	80.9	0	100	81	70	130
Endosulfan II	1	91.63	0	100	92	70	130
p,p'-DDT	1	90.79	0	100	91	70	130
Endrin Aldehyde	1	89.04	0	100	89	50	130
Endosulfan Sulfate	1	90.34	0	100	90	70	130
Methoxychlor	1	82.27	0	100	82	50	130
Endrin Ketone	1	84.09	0	100	84	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: WMB14932

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5G41222.D	AC67160-001(T)(MS)	7/26/2012 4:10:36 PM
Non Spike(If applicable):	5G41225.D	AC67160-001(T)	7/26/2012 5:10:49 PM
Inst Blank(If applicable):			

Method: 8081 Matrix: Aqueous QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
alpha-BHC	1	94.16	0	100	94	50	130
gamma-BHC	1	94.37	0	100	94	50	130
beta-BHC	1	93.97	0	100	94	50	130
Heptachlor	1	95.86	0	100	96	50	130
delta-BHC	1	79.89	0	100	80	50	130
Aldrin	1	97.83	0	100	98	70	130
Heptachlor Epoxide	1	98.74	0	100	99	70	130
Endosulfan I	1	99.75	0	100	100	70	130
p,p'-DDE	1	98.66	0	100	99	70	130
Dieldrin	1	103.78	0	100	104	70	130
Endrin	1	111.39	0	100	111	70	130
p,p'-DDD	1	91.6	0	100	92	70	130
Endosulfan II	1	100.66	0	100	101	70	130
p,p'-DDT	1	96.1	0	100	96	70	130
Endrin Aldehyde	1	97.23	0	100	97	50	130
Endosulfan Sulfate	1	96.59	0	100	97	70	130
Methoxychlor	1	97.54	0	100	98	50	130
Endrin Ketone	1	92.57	0	100	93	70	130

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5G41223.D	AC67160-001(T)(MSD)	7/26/2012 4:28:27 PM
Non Spike(If applicable):	5G41225.D	AC67160-001(T)	7/26/2012 5:10:49 PM
Inst Blank(If applicable):			

Method: 8081 Matrix: Aqueous QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
alpha-BHC	1	96.43	0	100	96	50	130
gamma-BHC	1	96.28	0	100	96	50	130
beta-BHC	1	94.73	0	100	95	50	130
Heptachlor	1	97.97	0	100	98	50	130
delta-BHC	1	81.03	0	100	81	50	130
Aldrin	1	100.29	0	100	100	70	130
Heptachlor Epoxide	1	100.5	0	100	100	70	130
Endosulfan I	1	101.32	0	100	101	70	130
p,p'-DDE	1	99.39	0	100	99	70	130
Dieldrin	1	105.33	0	100	105	70	130
Endrin	1	113.34	0	100	113	70	130
p,p'-DDD	1	91.78	0	100	92	70	130
Endosulfan II	1	102.07	0	100	102	70	130
p,p'-DDT	1	95.1	0	100	95	70	130
Endrin Aldehyde	1	96.83	0	100	97	50	130
Endosulfan Sulfate	1	97.03	0	100	97	70	130
Methoxychlor	1	96.86	0	100	97	50	130
Endrin Ketone	1	92.54	0	100	93	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
RPD DATA
QC Batch: WMB14932

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5G41223.D	AC67160-001(T)(MSD)	7/26/2012 4:28:27 PM
Duplicate(If applicable):	5G41222.D	AC67160-001(T)(MS)	7/26/2012 4:10:36 PM
Inst Blank(If applicable):			

Method: 8081 Matrix: Aqueous QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
alpha-BHC	1	96.43	94.16	2.4	40
gamma-BHC	1	96.28	94.37	2	40
beta-BHC	1	94.73	93.97	0.81	40
Heptachlor	1	97.97	95.86	2.2	40
delta-BHC	1	81.03	79.89	1.4	40
Aldrin	1	100.29	97.83	2.5	40
Heptachlor Epoxide	1	100.5	98.74	1.8	40
Endosulfan I	1	101.32	99.75	1.6	40
p,p'-DDE	1	99.39	98.66	0.74	40
Dieldrin	1	105.33	103.78	1.5	40
Endrin	1	113.34	111.39	1.7	40
p,p'-DDD	1	91.78	91.6	0.2	40
Endosulfan II	1	102.07	100.66	1.4	40
p,p'-DDT	1	95.1	96.1	1	40
Endrin Aldehyde	1	96.83	97.23	0.41	40
Endosulfan Sulfate	1	97.03	96.59	0.45	40
Methoxychlor	1	96.66	97.54	0.7	40
Endrin Ketone	1	92.54	92.57	0.03	40

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

FORM 4
Blank Summary

Blank Number: WMB14932
Blank Data File: 5G41218.D
Matrix: Aqueous

Blank Analysis Date: 07/26/12 14:45
Blank Extraction Date: 07/26/12
(If Applicable)
Method: EPA 8081A

Sample Number	Data File	Analysis Date
AC67160-001(T)	5G41225.D	07/26/12 17:10
AC67160-001(T)(M	5G41223.D	07/26/12 16:28
AC67160-001(T)(M	5G41222.D	07/26/12 16:10
WMB14932(MS)	5G41216.D	07/26/12 14:10

FORM 4
Blank Summary

Blank Number: WMB14957
Blank Data File: 5G41290.D
Matrix: Aqueous

Blank Analysis Date: 07/31/12 05:47
Blank Extraction Date: 07/30/12
(If Applicable)
Method: EPA 8081A

Sample Number	Data File	Analysis Date
AC67271-001	5G41304.D	07/31/12 10:34
AC67271-003	5G41299.D	07/31/12 09:04
AC67271-005	6G34521.D	07/31/12 10:19
AC67271-009	5G41303.D	07/31/12 10:17
AC67271-012	5G41302.D	07/31/12 09:59
WMB14957(MS)	5G41289.D	07/31/12 05:29

FORM 4
Blank Summary

Blank Number: WMB14973
Blank Data File: 5G41312.D
Matrix: Aqueous

Blank Analysis Date: 08/01/12 07:43
Blank Extraction Date: 07/31/12
(If Applicable)
Method: EPA 8081A

Sample Number	Data File	Analysis Date
AC67271-007(R)	5G41314.D	08/01/12 08:19
WMB14973(MS)	5G41313.D	08/01/12 08:01

Form 5

Method: EPA 8081A

Instrument: GC_5 Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Data File	Sample#	Analysis Date/Time	Matrix	Reference File	Column 1 RT	Column 1 % Drift	Column 2 RT	Column 2 % Drift
5G41143.D	TEST	07/23/12 16:40	Soil					
5G41144.D	CAL EVAL	07/23/12 16:59	Soil					
5G41145.D	CAL PEST@2PPB	07/23/12 17:17	Soil	5G41145.	13.2099	0	13.4128	0
5G41146.D	CAL PEST@10PPB	07/23/12 17:35	Soil	5G41145.	13.2095	0.003	13.4147	0.0142
5G41147.D	CAL PEST@50PPB	07/23/12 17:53	Soil	5G41145.	13.2084	0.0114	13.4124	0.003
5G41148.D	CAL PEST@100PPB	07/23/12 18:10	Soil	5G41145.	13.2083	0.0121	13.4125	0.0022
5G41149.D	CAL PEST@200PPB	07/23/12 18:28	Soil	5G41145.	13.2093	0.0045	13.4123	0.0037
5G41150.D	CAL PEST@400PPB	07/23/12 18:46	Soil	5G41145.	13.2090	0.0068	13.4139	0.0082
5G41151.D	CAL CHLO@100PPB	07/23/12 19:04	Soil	5G41145.	13.2077	0.0167	13.4123	0.0037
5G41152.D	CAL TOX@500PPB	07/23/12 19:22	Soil	5G41145.	13.2077	0.0167	13.4120	0.006
5G41153.D	ICV@100PPB	07/23/12 19:39	Soil	5G41145.	13.2097	0.0015	13.4133	0.0037
5G41154.D	CAL PEST@200PPB	07/23/12 19:57	Soil	5G41145.	13.2094	0.0038	13.4132	0.003

Drift Compound: DCB-Surrogate Drift Limit(s): 0.5 (Pest/Pcb) 1.5(Herb/Tph) * - Values outside of limits for this column/run

Form 5

Method: EPA 8081A

Instrument: GC_5 Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Data File	Sample#	Analysis Date/Time	Matrix	Reference File	Column 1 RT	Column 1 % Drift	Column 2 RT	Column 2 % Drift
5G41190.D	BLK	07/26/12 04:54	Aqueous					
5G41191.D	CAL EVAL	07/26/12 05:12	Aqueous					
5G41192.D	50PPB	07/26/12 05:29	Aqueous					
5G41193.D	CAL PEST@100PPB	07/26/12 05:47	Aqueous	5G41193.	13.2074	0	13.4135	0
5G41194.D	WMB14920(MS)	07/26/12 06:05	Aqueous	5G41193.	13.2075	0.0008	13.4121	0.0104
5G41195.D	AC67225-006	07/26/12 06:23	Aqueous	5G41193.	13.2075	0.0008	13.4118	0.0127
5G41196.D	AC67225-006(MS)	07/26/12 06:40	Aqueous	5G41193.	13.2093	0.0144	13.4141	0.0045
5G41197.D	AC67225-006(MSD)	07/26/12 06:58	Aqueous	5G41193.	13.2077	0.0023	13.4129	0.0045
5G41198.D	CAL PEST@200PPB	07/26/12 08:19	Aqueous	5G41193.	13.2143	0.0522	13.4117	0.0134
5G41214.D	CAL EVAL	07/26/12 13:34	Aqueous					
5G41215.D	CAL PEST@100PPB	07/26/12 13:52	Soil	5G41198.	13.2074	0.0522	13.4120	0.0022
5G41216.D	WMB14932(MS)	07/26/12 14:10	Aqueous	5G41215.	13.2079	0.0038	13.4124	0.003
5G41217.D	SMB14925(MS)	07/26/12 14:28	Soil	5G41198.	13.2087	0.0424	13.4130	0.0097
5G41218.D	WMB14932	07/26/12 14:45	Aqueous	5G41215.	13.2083	0.0068	13.4144	0.0179
5G41219.D	AC67258-003	07/26/12 15:03	Soil	5G41198.	13.2074	0.0522	13.4129	0.0089
5G41220.D	AC67258-003(MS)	07/26/12 15:21	Soil	5G41198.	13.2072	0.0537	13.4141	0.0179
5G41221.D	AC67258-003(MSD)	07/26/12 15:39	Soil	5G41198.	13.2077	0.05	13.4121	0.003
5G41222.D	AC67160-001(T)(MS)	07/26/12 16:10	Aqueous	5G41215.	13.2069	0.0038	13.4132	0.009
5G41223.D	AC67160-001(T)(MSD)	07/26/12 16:28	Aqueous	5G41215.	13.2089	0.0114	13.4148	0.0209
5G41224.D	CAL PEST@100PPB	07/26/12 16:46	Aqueous	5G41215.	13.2091	0.0129	13.4124	0.003
5G41225.D	AC67160-001(T)	07/26/12 17:10	Aqueous	5G41224.	13.2100	0.0068	13.4110	0.0104
5G41226.D	AC67223-001(T)	07/26/12 17:28	Aqueous	5G41224.	13.2079	0.0091	13.4130	0.0045
5G41227.D	AC67223-002(T)	07/26/12 17:46	Aqueous	5G41224.	13.2076	0.0114	13.4135	0.0082
5G41228.D	AC67223-003(T)	07/26/12 18:04	Aqueous	5G41224.	13.2083	0.0061	13.4132	0.006
5G41229.D	AC67223-004(T)	07/26/12 18:22	Aqueous	5G41224.	13.2074	0.0129	13.4123	0.0007
5G41230.D	AC67160-002(T)	07/26/12 18:40	Aqueous	5G41224.	13.2089	0.0015	13.4143	0.0142
5G41231.D	AC67160-003(T)	07/26/12 18:57	Aqueous	5G41224.	13.2082	0.0068	13.4138	0.0104
5G41232.D	AC67160-004(T)	07/26/12 19:15	Aqueous	5G41224.	13.2088	0.0023	13.4134	0.0075
5G41233.D	EF-1 V-145972(DT:7/24/	07/26/12 19:33	Aqueous	5G41224.	13.2075	0.0121	13.4138	0.0104
5G41234.D	100PPB	07/26/12 19:51	Aqueous	5G41224.	13.2088	0.0023	13.4147	0.0171
5G41235.D	CAL PEST@200PPB	07/26/12 20:09	Aqueous	5G41224.	13.2064	0.0204	13.4123	0.0007

Drift Compound: DCB-Surrogate Drift Limit(s): 0.5 (Pest/Pcb) 1.5(Herb/Tph) * - Values outside of limits for this column/run

Form 5

Method: EPA 8081A

Instrument: GC_6

Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Data File	Sample#	Analysis Date/Time	Matrix	Reference File	Column 1 RT	Column 1 % Drift	Column 2 RT	Column 2 % Drift
6G34437.D	CAL EVAL	07/26/12 07:38	Aqueous					
6G34438.D	2PPB	07/26/12 07:57	Aqueous					
6G34439.D	CAL PEST@10PPB	07/26/12 08:14	Aqueous	6G34440.	12.4646	0.008	12.6152	0.0222
6G34440.D	CAL PEST@2PPB	07/26/12 08:31	Aqueous	6G34440.	12.4656	0	12.6180	0
6G34441.D	CAL PEST@50PPB	07/26/12 08:48	Aqueous	6G34440.	12.4627	0.0233	12.6151	0.023
6G34442.D	CAL PEST@100PPB	07/26/12 09:05	Aqueous	6G34440.	12.4613	0.0345	12.6141	0.0309
6G34443.D	CAL PEST@200PPB	07/26/12 09:22	Aqueous	6G34440.	12.4604	0.0417	12.6145	0.0277
6G34444.D	CAL PEST@400PPB	07/26/12 09:39	Aqueous	6G34440.	12.4602	0.0433	12.6133	0.0373
6G34445.D	CAL CHLO@100PPB	07/26/12 09:58	Aqueous	6G34440.	12.4601	0.0441	12.6154	0.0206
6G34446.D	CAL TOX@500PPB	07/26/12 10:15	Aqueous	6G34440.	12.4635	0.0168	12.6164	0.0127
6G34447.D	ICV@100PPB	07/26/12 10:32	Aqueous	6G34440.	12.4624	0.0257	12.6151	0.023
6G34448.D	MBS	07/26/12 10:49	Soil	6G34440.	12.4607	0.0393	12.6149	0.0246
6G34449.D	SMB14925	07/26/12 11:06	Soil	6G34440.	12.4628	0.0225	12.6146	0.0269
6G34450.D	AC67034-001	07/26/12 11:23	Soil	6G34440.	12.4590	0.053	12.6140	0.0317
6G34451.D	AC67034-003	07/26/12 11:40	Soil	6G34440.	12.4609	0.0377	12.6140	0.0317
6G34452.D	AC67034-003(10X)	07/26/12 11:59	Soil	6G34440.	12.4659	0.0024	12.6163	0.0135
6G34453.D	AC67234-001	07/26/12 12:16	Soil	6G34440.	12.4628	0.0225	12.6151	0.023
6G34454.D	AC67258-001	07/26/12 12:33	Soil	6G34440.	12.4609	0.0377	12.6154	0.0206
6G34455.D	AC67258-002	07/26/12 12:50	Soil	6G34440.	12.4610	0.0369	12.6149	0.0246
6G34456.D	AC67258-004	07/26/12 13:07	Soil	6G34440.	12.4613	0.0345	12.6144	0.0285
6G34457.D	AC67258-005	07/26/12 13:24	Soil	6G34440.	12.4618	0.0305	12.6155	0.0198
6G34458.D	AC67258-007	07/26/12 13:41	Soil	6G34440.	12.4621	0.0281	12.6145	0.0277
6G34459.D	CAL PEST@100PPB	07/26/12 14:13	Soil	6G34440.	12.4629	0.0217	12.6166	0.0111
6G34460.D	AC67258-006	07/26/12 14:30	Soil	6G34459.	12.4621	0.0064	12.6158	0.0063
6G34461.D	AC67258-008	07/26/12 14:47	Soil	6G34459.	12.4629	0	12.6160	0.0048
6G34462.D	AC67258-009	07/26/12 15:04	Soil	6G34459.	12.4615	0.0112	12.6145	0.0166
6G34463.D	AC67258-010	07/26/12 15:22	Soil	6G34459.	12.4623	0.0048	12.6157	0.0071
6G34464.D	AC67258-011	07/26/12 15:39	Soil	6G34459.	12.4625	0.0032	12.6164	0.0016
6G34465.D	CAL PEST@100PPB	07/26/12 16:13	Soil	6G34459.	12.4636	0.0056	12.6172	0.0048

Drift Compound: DCB-Surrogate Drift Limit(s): 0.5 (Pest/Pcb) 1.5(Herb/Tph) * - Values outside of limits for this column/run

Form 5

Method: EPA 8081A

Instrument: GC_5 Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Data File	Sample#	Analysis Date/Time	Matrix	Reference File	Column 1 RT	Column 1 % Drift	Column 2 RT	Column 2 % Drift
5G41284.D	BLK	07/31/12 04:01	Soil					
5G41285.D	BLK	07/31/12 04:19	Soil					
5G41286.D	CAL EVAL	07/31/12 04:36	Soil					
5G41287.D	100PPB	07/31/12 04:54	Soil					
5G41288.D	CAL PEST@200PPB	07/31/12 05:12	Soil	5G41288.	13.2019	0	13.4103	0
5G41289.D	WMB14957(MS)	07/31/12 05:29	Aqueous	5G41288.	13.2006	0.0098	13.4086	0.0127
5G41290.D	WMB14957	07/31/12 05:47	Aqueous	5G41288.	13.2009	0.0076	13.4089	0.0104
5G41291.D	SMB14953(MS)	07/31/12 06:05	Soil	5G41288.	13.2002	0.0129	13.4085	0.0134
5G41292.D	AC67152-001	07/31/12 06:23	Soil	5G41288.	13.2011	0.0061	13.4093	0.0075
5G41293.D	AC67152-001(MS)	07/31/12 06:41	Soil	5G41288.	13.2007	0.0091	13.4082	0.0157
5G41294.D	AC67152-001(MSD)	07/31/12 06:58	Soil	5G41288.	13.2010	0.0068	13.4096	0.0052
5G41295.D	AC67152-005	07/31/12 07:16	Soil	5G41288.	13.2001	0.0136	13.4083	0.0149
5G41296.D	AC67152-006	07/31/12 07:34	Soil	5G41288.	13.2005	0.0106	13.4089	0.0104
5G41297.D	EF-2 V-143677(DT:7/26/	07/31/12 08:08	Aqueous	5G41288.	13.2008	0.0083	13.4084	0.0142
5G41298.D	CAL PEST@100PPB	07/31/12 08:44	Aqueous	5G41288.	13.2017	0.0015	13.4092	0.0082
5G41299.D	AC67271-003	07/31/12 09:04	Aqueous	5G41298.	13.2013	0.003	13.4082	0.0075
5G41300.D	AC67271-005	07/31/12 09:22	Aqueous	5G41298.	13.2021	0.003	13.4077	0.0112
5G41301.D	AC67271-007	07/31/12 09:40	Aqueous	5G41298.	13.2017	0	13.4096	0.003
5G41302.D	AC67271-012	07/31/12 09:59	Aqueous	5G41298.	13.2025	0.0061	13.4093	0.0007
5G41303.D	AC67271-009	07/31/12 10:17	Aqueous	5G41298.	13.2006	0.0083	13.4086	0.0045
5G41304.D	AC67271-001	07/31/12 10:34	Aqueous	5G41298.	13.2004	0.0098	13.4086	0.0045
5G41305.D	EF-1 V-145972(DT:7/26/	07/31/12 11:18	Aqueous	5G41298.	13.2014	0.0023	13.4085	0.0052
5G41306.D	CAL PEST@100PPB	07/31/12 11:36	Aqueous	5G41298.	13.2021	0.003	13.4092	0

Drift Compound: DCB-Surrogate Drift Limit(s): 0.5 (Pest/Pcb) 1.5(Herb/Tph) * - Values outside of limits for this column/run

Form 5

Method: EPA 8081A

Instrument: GC_6

Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Data File	Sample#	Analysis Date/Time	Matrix	Reference File	Column 1 RT	Column 1 % Drift	Column 2 RT	Column 2 % Drift
6G34510.D	BLK	07/31/12 05:01	Soil					
6G34511.D	BLK	07/31/12 05:18	Soil					
6G34512.D	BLK	07/31/12 05:35	Soil					
6G34513.D	CAL EVAL	07/31/12 05:52	Soil					
6G34514.D	100PPB	07/31/12 06:09	Soil					
6G34515.D	CAL PEST@200PPB	07/31/12 07:41	Soil	6G34515.	12.4540	0	12.6089	0
6G34516.D	AC67250-006(T)	07/31/12 07:59	Aqueous	6G34515.	12.4556	0.0128	12.6103	0.0111
6G34517.D	AC67259-022(T)	07/31/12 08:16	Aqueous	6G34515.	12.4541	0.0008	12.6102	0.0103
6G34518.D	CAL PEST@200PPB	07/31/12 09:09	Aqueous	6G34515.	12.4544	0.0032	12.6086	0.0024
6G34519.D	AC67250-006	07/31/12 09:27	Soil	6G34518.	12.4551	0.0056	12.6094	0.0063
6G34520.D	AC67152-002	07/31/12 09:44	Soil	6G34518.	12.4551	0.0056	12.6110	0.019
6G34521.D	AC67271-005	07/31/12 10:19	Aqueous	6G34518.	12.4557	0.0104	12.6104	0.0143
6G34522.D	CAL PEST@200PPB	07/31/12 10:36	Aqueous	6G34518.	12.4559	0.012	12.6109	0.0182

Drift Compound: DCB-Surrogate Drift Limit(s): 0.5 (Pest/Pcb) 1.5(Herb/Tph) * - Values outside of limits for this column/run

Form 5

Method: EPA 8081A

Instrument: GC_5

Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Data File	Sample#	Analysis Date/Time	Matrix	Reference File	Column 1 RT	Column 1 % Drift	Column 2 RT	Column 2 % Drift
5G41307.D	BLK	08/01/12 05:31	Aqueous					
5G41308.D	BLK	08/01/12 05:49	Aqueous					
5G41309.D	CAL EVAL	08/01/12 06:06	Aqueous					
5G41310.D	CAL PEST@100PPB	08/01/12 06:24	Aqueous	5G41310.	13.2034	0	13.4100	0
5G41311.D	200PPB	08/01/12 06:42	Aqueous	5G41310.	13.2033	0.0008	13.4105	0.0037
5G41312.D	WMB14973	08/01/12 07:43	Aqueous	5G41310.	13.2092	0.0439	13.4080	0.0149
5G41313.D	WMB14973(MS)	08/01/12 08:01	Aqueous	5G41310.	13.2041	0.0053	13.4100	0
5G41314.D	AC67271-007(R)	08/01/12 08:19	Aqueous	5G41310.	13.2030	0.003	13.4087	0.0097
5G41315.D	SMB14972	08/01/12 08:37	Soil	5G41310.	13.2028	0.0045	13.4096	0.003
5G41316.D	SMB14972(MS)	08/01/12 08:54	Soil	5G41310.	13.2022	0.0091	13.4086	0.0104
5G41317.D	AC67132-006	08/01/12 09:12	Soil	5G41310.	13.2036	0.0015	13.4095	0.0037
5G41318.D	AC67132-008	08/01/12 09:30	Soil	5G41310.	13.2032	0.0015	13.4102	0.0015
5G41319.D	CAL PEST@200PPB	08/01/12 09:49	Soil	5G41310.	13.2025	0.0068	13.4089	0.0082

Drift Compound: DCB-Surrogate Drift Limit(s): 0.5 (Pest/Pcb) 1.5(Herb/Tph) * - Values outside of limits for this column/run

2072508 0291

Form 6
Initial Calibration

Method: EPA 8081A

Instrument: GC_5

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	5G41145.	CAL PEST@2PPB	07/23/12 17:17	2	5G41146.	CAL PEST@10PPB	07/23/12 17:35
3	5G41147.	CAL PEST@50PPB	07/23/12 17:53	4	5G41148.	CAL PEST@100PPB	07/23/12 18:10
5	5G41149.	CAL PEST@200PPB	07/23/12 18:28	6	5G41150.	CAL PEST@400PPB	07/23/12 18:46
7	5G41151.	CAL CHLO@100PPB	07/23/12 19:04	8	5G41152.	CAL TOX@500PPB	07/23/12 19:22

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8
TCMX-Surrogate	1	0	Avg	204.60	192.97	183.86	184.12	181.21	180.25	----	----	188	6.24	1.00	1.00	5.0	2.00	10.00	50.00	100.0	200.0	400.0		
alpha-BHC	1	0	Avg	239.92	247.73	251.13	258.84	261.20	266.20	----	----	254	7.46	1.00	1.00	3.8	2.00	10.00	50.00	100.0	200.0	400.0		
gamma-BHC	1	0	Avg	231.23	230.97	228.21	235.10	236.98	240.03	----	----	234	7.97	1.00	1.00	1.9	2.00	10.00	50.00	100.0	200.0	400.0		
beta-BHC	1	0	Avg	108.46	98.420	92.930	95.207	94.796	94.300	----	----	97.4	8.82	1.00	1.00	5.9	2.00	10.00	50.00	100.0	200.0	400.0		
Heptachlor	1	0	Avg	222.19	215.41	205.02	211.32	206.92	200.35	----	----	210	8.29	1.00	1.00	3.7	2.00	10.00	50.00	100.0	200.0	400.0		
delta-BHC	1	0	Avg	239.36	218.02	214.89	221.37	224.28	227.80	----	----	224	9.15	1.00	1.00	3.9	2.00	10.00	50.00	100.0	200.0	400.0		
Aldrin	1	0	Avg	207.74	210.64	206.84	212.50	209.26	204.29	----	----	209	8.65	1.00	1.00	1.4	2.00	10.00	50.00	100.0	200.0	400.0		
Heptachlor Epoxide	1	0	Avg	195.15	187.80	180.93	184.31	181.31	177.32	----	----	184	9.44	1.00	1.00	3.4	2.00	10.00	50.00	100.0	200.0	400.0		
γ-chlordane	1	0	Avg	208.16	188.72	183.22	191.57	191.99	189.67	----	----	192	9.82	1.00	1.00	4.4	2.00	10.00	50.00	100.0	200.0	400.0		
a-chlordane	1	0	Avg	187.17	178.63	174.17	181.55	182.27	180.68	----	----	181	9.89	1.00	1.00	2.4	2.00	10.00	50.00	100.0	200.0	400.0		
Endosulfan I	1	0	Avg	178.53	168.58	162.52	167.06	164.86	161.76	----	----	167	9.79	1.00	1.00	3.7	2.00	10.00	50.00	100.0	200.0	400.0		
p,p'-DDE	1	0	Avg	178.88	176.96	175.45	184.74	185.48	183.32	----	----	181	9.98	1.00	1.00	2.4	2.00	10.00	50.00	100.0	200.0	400.0		
Dieldrin	1	0	Avg	176.65	176.49	176.01	182.99	182.65	180.13	----	----	179	10.21	1.00	1.00	1.8	2.00	10.00	50.00	100.0	200.0	400.0		
Endrin	1	0	Avg	152.26	147.79	146.55	152.63	152.47	148.90	----	----	150	10.45	1.00	1.00	1.8	2.00	10.00	50.00	100.0	200.0	400.0		
p,p'-DDD	1	0	Avg	166.26	156.78	151.77	153.77	154.25	153.45	----	----	156	10.86	1.00	1.00	3.4	2.00	10.00	50.00	100.0	200.0	400.0		
Endosulfan II	1	0	Avg	162.75	150.39	146.59	152.88	153.06	152.05	----	----	153	10.97	1.00	1.00	3.5	2.00	10.00	50.00	100.0	200.0	400.0		
p,p'-DDT	1	0	Qua	101.42	101.29	101.58	118.81	128.03	131.83	----	----	114	11.07	0.999	1.00	12	2.00	10.00	50.00	100.0	200.0	400.0		
Endrin Aldehyde	1	0	Avg	103.54	103.62	110.41	112.66	113.18	115.35	----	----	110	11.41	1.00	1.00	4.6	2.00	10.00	50.00	100.0	200.0	400.0		
Endosulfan Sulfate	1	0	Avg	135.64	122.60	122.28	129.15	131.56	131.35	----	----	129	11.75	1.00	1.00	4.1	2.00	10.00	50.00	100.0	200.0	400.0		
Methoxychlor	1	0	Qua	42.139	46.410	51.513	58.200	61.529	62.455	----	----	53.7	11.71	1.00	1.00	16	2.00	10.00	50.00	100.0	200.0	400.0		
Endrin Ketone	1	0	Avg	144.74	137.40	138.30	148.31	153.87	156.47	----	----	147	12.24	1.00	1.00	5.4	2.00	10.00	50.00	100.0	200.0	400.0		
DCB-Surrogate	1	0	Avg	152.30	132.81	123.92	130.28	131.84	130.37	----	----	134	13.21	1.00	1.00	7.2	2.00	10.00	50.00	100.0	200.0	400.0		
Chlordane	1	1	Avg	----	----	----	----	----	----	----	----	8.18	8.09	-1	-1	Lvl=7	100.0							
Chlordane	1	2	Avg	----	----	----	----	----	----	----	----	20.5	9.82	-1	-1	Lvl=7	100.0							
Chlordane	1	3	Avg	----	----	----	----	----	----	----	----	29.8	9.89	-1	-1	Lvl=7	100.0							
Toxaphene	1	1	Avg	----	----	----	----	----	----	----	----	0.598	9.87	-1	-1	Lvl=8	500.0							
Toxaphene	1	2	Avg	----	----	----	----	----	----	----	----	0.769	10.13	-1	-1	Lvl=8	500.0							
Toxaphene	1	3	Avg	----	----	----	----	----	----	----	----	1.11	10.69	-1	-1	Lvl=8	500.0							
Toxaphene	1	4	Avg	----	----	----	----	----	----	----	----	1.94	11.31	-1	-1	Lvl=8	500.0							
Toxaphene	1	5	Avg	----	----	----	----	----	----	----	----	2.52	11.75	-1	-1	Lvl=8	500.0							
TCMX-Surrogate	2	0	Avg	157.42	145.00	138.89	136.20	129.97	127.25	----	----	139	6.05	1.00	1.00	7.9	2.00	10.00	50.00	100.0	200.0	400.0		
alpha-BHC	2	0	Avg	204.20	206.09	205.26	208.22	205.07	203.37	----	----	205	7.05	1.00	1.00	0.82	2.00	10.00	50.00	100.0	200.0	400.0		
gamma-BHC	2	0	Avg	190.68	184.88	181.15	184.64	181.64	179.10	----	----	184	7.58	1.00	1.00	2.2	2.00	10.00	50.00	100.0	200.0	400.0		
beta-BHC	2	0	Avg	94.602	83.730	77.147	77.897	75.425	72.317	----	----	80.2	7.67	0.999	1.00	10	2.00	10.00	50.00	100.0	200.0	400.0		
Heptachlor	2	0	LinF	180.17	154.32	142.93	146.11	142.03	135.65	----	----	150	8.01	0.999	1.00	11	2.00	10.00	50.00	100.0	200.0	400.0		
delta-BHC	2	0	Avg	184.43	177.29	176.15	180.48	178.04	175.99	----	----	179	8.16	1.00	1.00	1.8	2.00	10.00	50.00	100.0	200.0	400.0		

Avg Rsd Col 1: 4.62 Avg Rsd Col 2: 4.82

Flags

c - failed the initial calibration criteria(if applicable)

Note:

Col = Column Number
Mr = MultiPeak Analyte 0=single peak analyte, >0=multi peak analyte (i.e. pcb/chlordane etc..)
Fit = Indicates whehter Avg RF, Linear, or Quadratic Curve was used for compound.
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.

All Response Factors = Response Factors / 10000
Initial Calibration Criteria: either %RSD <=20 or Corr >= .995
Columns: Signal #1 db-1701 ; Signal #2 db-608

^Lvl: These compounds use a single pt calibration as specified by the method. The file used to update this calibration point is listed in the header under level #

2072508 0292

Form 6
Initial Calibration

Method: EPA 8081A

Instrument: GC_5

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	5G41145.	CAL PEST@2PPB	07/23/12 17:17	2	5G41146.	CAL PEST@10PPB	07/23/12 17:35
3	5G41147.	CAL PEST@50PPB	07/23/12 17:53	4	5G41148.	CAL PEST@100PPB	07/23/12 18:10
5	5G41149.	CAL PEST@200PPB	07/23/12 18:28	6	5G41150.	CAL PEST@400PPB	07/23/12 18:46
7	5G41151.	CAL CHLO@100PPB	07/23/12 19:04	8	5G41152.	CAL TOX@500PPB	07/23/12 19:22

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8
Aldrin	2	0	Avg	172.58	163.31	156.67	159.72	154.44	145.97	----	----	159	8.44	0.999	1.00	5.6	2.00	10.00	50.00	100.0	200.0	400.0		
Heptachlor Epoxide	2	0	Avg	159.33	149.63	139.12	140.54	135.27	128.36	----	----	142	9.14	0.999	1.00	7.7	2.00	10.00	50.00	100.0	200.0	400.0		
γ-chlordane	2	0	Avg	153.47	146.78	140.12	144.51	142.75	138.28	----	----	144	9.34	1.00	1.00	3.7	2.00	10.00	50.00	100.0	200.0	400.0		
a-chlordane	2	0	Avg	150.35	140.90	133.61	138.10	136.47	131.45	----	----	138	9.54	1.00	1.00	4.8	2.00	10.00	50.00	100.0	200.0	400.0		
Endosulfan I	2	0	Avg	144.93	137.30	127.20	128.63	124.11	117.31	----	----	130	9.58	0.999	1.00	7.6	2.00	10.00	50.00	100.0	200.0	400.0		
p,p'-DDE	2	0	Avg	139.37	137.72	132.48	138.51	136.67	131.43	----	----	136	9.83	1.00	1.00	2.4	2.00	10.00	50.00	100.0	200.0	400.0		
Dieldrin	2	0	Avg	141.47	137.38	132.35	136.43	133.21	127.76	----	----	135	9.95	0.999	1.00	3.5	2.00	10.00	50.00	100.0	200.0	400.0		
Endrin	2	0	Avg	110.14	107.42	102.52	106.43	105.10	100.93	----	----	105	10.39	0.999	1.00	3.2	2.00	10.00	50.00	100.0	200.0	400.0		
p,p'-DDD	2	0	Avg	109.37	107.47	104.17	109.24	109.26	106.54	----	----	108	10.49	1.00	1.00	1.9	2.00	10.00	50.00	100.0	200.0	400.0		
Endosulfan II	2	0	Avg	122.00	115.98	110.43	114.94	113.75	111.46	----	----	115	10.60	1.00	1.00	3.6	2.00	10.00	50.00	100.0	200.0	400.0		
p,p'-DDT	2	0	Avg	100.58	103.11	103.93	111.31	113.38	112.12	----	----	107	10.84	1.00	1.00	5.1	2.00	10.00	50.00	100.0	200.0	400.0		
Endrin Aldehyde	2	0	Avg	101.38	94.177	91.251	91.687	90.776	90.140	----	----	93.2	10.98	1.00	1.00	4.5	2.00	10.00	50.00	100.0	200.0	400.0		
Endosulfan Sulfate	2	0	Avg	117.96	109.99	104.44	108.62	107.65	104.63	----	----	109	11.13	1.00	1.00	4.6	2.00	10.00	50.00	100.0	200.0	400.0		
Methoxychlor	2	0	Avg	46.948	45.157	43.967	46.757	47.521	46.970	----	----	46.2	11.84	1.00	1.00	2.9	2.00	10.00	50.00	100.0	200.0	400.0		
Endrin Ketone	2	0	Avg	130.69	126.35	122.99	128.69	129.21	127.06	----	----	128	12.04	1.00	1.00	2.1	2.00	10.00	50.00	100.0	200.0	400.0		
DCB-Surrogate	2	0	Avg	129.27	113.48	102.20	105.74	105.60	102.63	----	----	110	13.41	1.00	1.00	9.4	2.00	10.00	50.00	100.0	200.0	400.0		
Chlordane	2	1	Avg	----	----	----	----	----	----	----	----	6.77	7.81	-1	-1	Lvl=7	100.0							
Chlordane	2	2	Avg	----	----	----	----	----	----	----	----	17.4	9.34	-1	-1	Lvl=7	100.0							
Chlordane	2	3	Avg	----	----	----	----	----	----	----	----	14.0	9.54	-1	-1	Lvl=7	100.0							
Toxaphene	2	1	Avg	----	----	----	----	----	----	----	----	0.945	9.70	-1	-1	Lvl=8	500.0							
Toxaphene	2	2	Avg	----	----	----	----	----	----	----	----	0.707	9.79	-1	-1	Lvl=8	500.0							
Toxaphene	2	3	Avg	----	----	----	----	----	----	----	----	1.78	10.88	-1	-1	Lvl=8	500.0							
Toxaphene	2	4	Avg	----	----	----	----	----	----	----	----	2.07	11.58	-1	-1	Lvl=8	500.0							
Toxaphene	2	5	Avg	----	----	----	----	----	----	----	----	1.50	11.65	-1	-1	Lvl=8	500.0							

Avg Rsd Col 1: 4.62 Avg Rsd Col 2: 4.82

Flags

c - failed the initial calibration criteria(if applicable)

Note:

Col = Column Number
Mr = MultiPeak Analyte 0=single peak analyte..>0=multi peak analyte (i.e. pcb/chlordane etc..)
Fit = Indicates whehter Avg RF, Linear, or Quadratic Curve was used for compound.
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.

All Response Factors = Response Factors / 10000
Initial Calibration Criteria: either %RSD <=20 or Corr >= .995
Columns: Signal #1 db-1701 : Signal #2 db-608

^Lvl: These compounds use a single pt calibration as specified by the method. The file used to update this calibration point is listed in the header under level #

2072508 0293

Form 6
Initial Calibration

Method: EPA 8081A

Instrument: GC_6

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	6G34440.	CAL PEST@2PPB	07/26/12 08:31	2	6G34439.	CAL PEST@10PPB	07/26/12 08:14
3	6G34441.	CAL PEST@50PPB	07/26/12 08:48	4	6G34442.	CAL PEST@100PPB	07/26/12 09:05
5	6G34443.	CAL PEST@200PPB	07/26/12 09:22	6	6G34444.	CAL PEST@400PPB	07/26/12 09:39
7	6G34445.	CAL CHLO@100PPB	07/26/12 09:58	8	6G34446.	CAL TOX@500PPB	07/26/12 10:15

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8
TCMX-Surrogate	1	0	Avg	1.0651	1.0390	1.2402	1.2838	1.1678	1.0462	----	----	1.14	5.15	0.995	1.00	9.3	2.00	10.00	50.00	100.0	200.0	400.0		
alpha-BHC	1	0	Qua	0.8630	1.0086	1.5518	1.5755	1.5668	1.3580	----	----	1.32	6.32	0.993	1.00	24	2.00	10.00	50.00	100.0	200.0	400.0		
gamma-BHC	1	0	Qua	0.9114	0.9379	1.5107	1.5215	1.5085	1.2201	----	----	1.27	6.84	0.985	0.999	23	2.00	10.00	50.00	100.0	200.0	400.0		
beta-BHC	1	0	Avg	0.7720	0.7257	0.7618	0.7817	0.7499	0.6228	----	----	0.736	7.72	0.988	1.00	8.0	2.00	10.00	50.00	100.0	200.0	400.0		
Heptachlor	1	0	Qua	0.9889	0.9377	1.1946	1.2669	1.2325	0.9758	----	----	1.10	7.15	0.981	0.999	13	2.00	10.00	50.00	100.0	200.0	400.0		
delta-BHC	1	0	Qua	1.2304	0.9910	1.4349	1.4776	1.4888	1.2076	----	----	1.31	8.07	0.986	0.999	15	2.00	10.00	50.00	100.0	200.0	400.0		
Aldrin	1	0	Qua	0.8976	0.9191	1.2567	1.3807	1.3394	1.0968	----	----	1.15	7.52	0.986	0.999	18	2.00	10.00	50.00	100.0	200.0	400.0		
Heptachlor Epoxide	1	0	Qua	0.9427	1.0131	1.2763	1.2913	1.2742	0.9866	----	----	1.13	8.35	0.978	0.999	15	2.00	10.00	50.00	100.0	200.0	400.0		
γ-chlordane	1	0	Qua	1.2778	1.2773	1.4485	1.6214	1.5747	1.2146	----	----	1.40	8.75	0.977	0.999	12	2.00	10.00	50.00	100.0	200.0	400.0		
a-chlordane	1	0	Qua	1.0796	1.1640	1.3160	1.3881	1.3539	1.0430	----	----	1.22	8.81	0.977	0.999	12	2.00	10.00	50.00	100.0	200.0	400.0		
Endosulfan I	1	0	Qua	0.6923	0.7343	0.9535	1.0016	0.9197	0.7643	----	----	0.844	8.72	0.987	1.00	15	2.00	10.00	50.00	100.0	200.0	400.0		
p,p'-DDE	1	0	Qua	0.8507	0.8770	1.1782	1.2948	1.2704	1.0360	----	----	1.08	8.90	0.986	0.999	18	2.00	10.00	50.00	100.0	200.0	400.0		
Dieldrin	1	0	Qua	0.8042	0.9358	1.1097	1.2330	1.2242	0.9817	----	----	1.05	9.16	0.984	0.999	16	2.00	10.00	50.00	100.0	200.0	400.0		
Endrin	1	0	Qua	0.7615	0.7254	0.8472	1.0358	1.0202	0.8432	----	----	0.872	9.42	0.987	0.998	15	2.00	10.00	50.00	100.0	200.0	400.0		
p,p'-DDD	1	0	Qua	0.7518	0.7482	0.9261	1.0978	1.0427	0.8616	----	----	0.905	9.84	0.987	0.999	16	2.00	10.00	50.00	100.0	200.0	400.0		
Endosulfan II	1	0	Qua	0.9616	0.9612	1.1144	1.2244	1.1756	0.9356	----	----	1.06	9.98	0.982	0.999	12	2.00	10.00	50.00	100.0	200.0	400.0		
p,p'-DDT	1	0	Qua	0.3121	0.4118	0.5461	0.8143	0.8394	0.7128	----	----	0.606	10.06	0.989	0.997	36	2.00	10.00	50.00	100.0	200.0	400.0		
Endrin Aldehyde	1	0	Qua	0.7184	0.7276	0.8869	0.9760	0.9645	0.8218	----	----	0.849	10.46	0.992	0.999	13	2.00	10.00	50.00	100.0	200.0	400.0		
Endosulfan Sulfate	1	0	Qua	0.8563	0.8923	0.9331	1.0894	1.0203	0.8190	----	----	0.935	10.83	0.982	0.999	11	2.00	10.00	50.00	100.0	200.0	400.0		
Methoxychlor	1	0	Qua	0.2704	0.3358	0.3358	0.4457	0.4797	0.4001	----	----	0.378	10.75	0.989	0.996	21	2.00	10.00	50.00	100.0	200.0	400.0		
Endrin Ketone	1	0	Qua	1.0348	1.0515	1.2125	1.4203	1.2916	1.0134	----	----	1.17	11.38	0.977	0.999	14	2.00	10.00	50.00	100.0	200.0	400.0		
DCB-Surrogate	1	0	Qua	1.7887	1.5006	1.2679	1.4728	1.3316	1.0290	----	----	1.40	12.46	0.975	0.999	18	2.00	10.00	50.00	100.0	200.0	400.0		
Chlordane	1	1	Avg	----	----	----	----	----	----	----	----	0.0366	6.96	-1	-1	Lvl=7	100.0							
Chlordane	1	2	Avg	----	----	----	----	----	----	----	----	0.102	8.76	-1	-1	Lvl=7	100.0							
Chlordane	1	3	Avg	----	----	----	----	----	----	----	----	0.181	8.83	-1	-1	Lvl=7	100.0							
Toxaphene	1	1	Avg	----	----	----	----	----	----	----	----	0.00383	8.83	-1	-1	Lvl=8	500.0							
Toxaphene	1	2	Avg	----	----	----	----	----	----	----	----	0.00413	9.09	-1	-1	Lvl=8	500.0							
Toxaphene	1	3	Avg	----	----	----	----	----	----	----	----	0.0102	9.90	-1	-1	Lvl=8	500.0							
Toxaphene	1	4	Avg	----	----	----	----	----	----	----	----	0.0213	10.34	-1	-1	Lvl=8	500.0							
Toxaphene	1	5	Avg	----	----	----	----	----	----	----	----	0.0155	10.82	-1	-1	Lvl=8	500.0							
TCMX-Surrogate	2	0	Avg	0.9665	0.9076	0.9084	0.9343	0.9431	0.8341	----	----	0.916	4.94	0.996	1.00	5.0	2.00	10.00	50.00	100.0	200.0	400.0		
alpha-BHC	2	0	Qua	0.8506	0.8153	1.0558	1.2232	1.3283	1.2052	----	----	1.08	5.85	0.997	0.999	19	2.00	10.00	50.00	100.0	200.0	400.0		
gamma-BHC	2	0	Qua	0.8251	0.8092	0.9887	1.1218	1.1979	1.0649	----	----	1.00	6.37	0.996	0.999	16	2.00	10.00	50.00	100.0	200.0	400.0		
beta-BHC	2	0	Qua	0.7751	0.6299	0.6081	0.6370	0.6419	0.5611	----	----	0.642	6.45	0.995	0.999	11	2.00	10.00	50.00	100.0	200.0	400.0		
Heptachlor	2	0	Qua	1.3104	0.8335	0.7628	0.8611	0.9248	0.8148	----	----	0.918	6.81	0.995	0.998	22	2.00	10.00	50.00	100.0	200.0	400.0		
delta-BHC	2	0	Qua	0.7582	0.7312	0.9514	1.1080	1.2115	1.0916	----	----	0.975	6.95	0.996	0.998	20	2.00	10.00	50.00	100.0	200.0	400.0		

Avg Rsd Col 1: 16.1 Avg Rsd Col 2: 11.2

Flags

c - failed the initial calibration criteria(if applicable)

Note:

Col = Column Number
Mr = MultiPeak Analyte 0=single peak analyte..>0=multi peak analyte (i.e. pcb/chlordane etc..)
Fit = Indicates whehter Avg RF, Linear, or Quadratic Curve was used for compound.
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.

All Response Factors = Response Factors / 10000
Initial Calibration Criteria: either %RSD <=20 or Corr >= .995
Columns: Signal #1 db-1701 : Signal #2 db-608

^Lvl: These compounds use a single pt calibration as specified by the method. The file used to update this calibration point is listed in the header under level #

2072508 0294

Form 6
Initial Calibration

Method: EPA 8081A

Instrument: GC_6

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	6G34440.	CAL PEST@2PPB	07/26/12 08:31	2	6G34439.	CAL PEST@10PPB	07/26/12 08:14
3	6G34441.	CAL PEST@50PPB	07/26/12 08:48	4	6G34442.	CAL PEST@100PPB	07/26/12 09:05
5	6G34443.	CAL PEST@200PPB	07/26/12 09:22	6	6G34444.	CAL PEST@400PPB	07/26/12 09:39
7	6G34445.	CAL CHLO@100PPB	07/26/12 09:58	8	6G34446.	CAL TOX@500PPB	07/26/12 10:15

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8
Aldrin	2	0	Qua	0.9410	0.8149	0.9152	1.0470	1.1147	0.9792	----	----	0.969	7.25	0.995	0.998	11	2.00	10.00	50.00	100.0	200.0	400.0		
Heptachlor Epoxide	2	0	Avg	0.9624	0.8766	0.8793	0.9734	1.0167	0.8813	----	----	0.932	7.97	0.994	0.999	6.5	2.00	10.00	50.00	100.0	200.0	400.0		
γ-chlordane	2	0	Avg	1.0200	0.9191	0.9259	1.0362	1.0846	0.9400	----	----	0.988	8.18	0.994	0.999	7.0	2.00	10.00	50.00	100.0	200.0	400.0		
a-chlordane	2	0	Avg	0.9512	0.8539	0.8596	0.9429	0.9646	0.8237	----	----	0.899	8.38	0.992	0.999	6.7	2.00	10.00	50.00	100.0	200.0	400.0		
Endosulfan I	2	0	Avg	1.0545	0.9354	0.9310	1.0600	1.1259	0.9744	----	----	1.01	8.43	0.994	0.998	7.8	2.00	10.00	50.00	100.0	200.0	400.0		
p,p'-DDE	2	0	Qua	0.8547	0.7583	0.7995	0.9461	1.0191	0.8868	----	----	0.877	8.67	0.994	0.998	11	2.00	10.00	50.00	100.0	200.0	400.0		
Dieldrin	2	0	Qua	0.8463	0.7499	0.7873	0.9191	0.9867	0.8628	----	----	0.859	8.81	0.994	0.998	10	2.00	10.00	50.00	100.0	200.0	400.0		
Endrin	2	0	Avg	0.6465	0.5959	0.6061	0.6945	0.7464	0.6489	----	----	0.656	9.28	0.994	0.998	8.6	2.00	10.00	50.00	100.0	200.0	400.0		
p,p'-DDD	2	0	Qua	0.5941	0.5905	0.6246	0.7152	0.7762	0.6890	----	----	0.665	9.37	0.995	0.998	11	2.00	10.00	50.00	100.0	200.0	400.0		
Endosulfan II	2	0	Avg	0.8861	0.8161	0.8339	0.9237	0.9580	0.8258	----	----	0.874	9.50	0.993	0.999	6.7	2.00	10.00	50.00	100.0	200.0	400.0		
p,p'-DDT	2	0	Qua	0.4248	0.4617	0.5069	0.6465	0.7270	0.6394	----	----	0.568	9.74	0.994	0.997	21	2.00	10.00	50.00	100.0	200.0	400.0		
Endrin Aldehyde	2	0	Avg	0.8131	0.7217	0.6708	0.7012	0.7223	0.6449	----	----	0.712	9.90	0.996	0.999	8.1	2.00	10.00	50.00	100.0	200.0	400.0		
Endosulfan Sulfate	2	0	Avg	0.7826	0.7272	0.7054	0.7907	0.8328	0.7285	----	----	0.761	10.05	0.995	0.999	6.4	2.00	10.00	50.00	100.0	200.0	400.0		
Methoxychlor	2	0	Avg	0.3073	0.3232	0.2988	0.3401	0.3568	0.3064	----	----	0.322	10.79	0.993	0.998	7.0	2.00	10.00	50.00	100.0	200.0	400.0		
Endrin Ketone	2	0	Avg	0.9141	0.9120	0.9437	1.0393	1.0719	0.9289	----	----	0.968	11.03	0.994	0.999	7.2	2.00	10.00	50.00	100.0	200.0	400.0		
DCB-Surrogate	2	0	Qua	1.4560	1.2804	1.0489	1.0779	1.0466	0.8857	----	----	1.13	12.62	0.992	1.00	18	2.00	10.00	50.00	100.0	200.0	400.0		
Chlordane	2	1	Avg	----	----	----	----	----	----	----	----	0.0377	6.61	-1	-1	Lvl=7	100.0							
Chlordane	2	2	Avg	----	----	----	----	----	----	----	----	0.162	8.18	-1	-1	Lvl=7	100.0							
Chlordane	2	3	Avg	----	----	----	----	----	----	----	----	0.0881	8.38	-1	-1	Lvl=7	100.0							
Toxaphene	2	1	Avg	----	----	----	----	----	----	----	----	0.00486	8.56	-1	-1	Lvl=8	500.0							
Toxaphene	2	2	Avg	----	----	----	----	----	----	----	----	0.00478	8.65	-1	-1	Lvl=8	500.0							
Toxaphene	2	3	Avg	----	----	----	----	----	----	----	----	0.00920	9.80	-1	-1	Lvl=8	500.0							
Toxaphene	2	4	Avg	----	----	----	----	----	----	----	----	0.0149	10.55	-1	-1	Lvl=8	500.0							
Toxaphene	2	5	Avg	----	----	----	----	----	----	----	----	0.00970	10.62	-1	-1	Lvl=8	500.0							

Avg Rsd Col 1: 16.1 Avg Rsd Col 2: 11.2

Flags

c - failed the initial calibration criteria(if applicable)

Note:

Col = Column Number
Mr = MultiPeak Analyte 0=single peak analyte..>0=multi peak analyte (i.e. pcb/chlordane etc..)
Fit = Indicates whehter Avg RF, Linear, or Quadratic Curve was used for compound.
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.

All Response Factors = Response Factors / 10000
Initial Calibration Criteria: either %RSD <=20 or Corr >= .995
Columns: Signal #1 db-1701 : Signal #2 db-608

^Lvl: These compounds use a single pt calibration as specified by the method. The file used to update this calibration point is listed in the header under level #

Form7
Continuing Calibration

Method: EPA 8081A

Data File:				5G41198.D			5G41224.D			5G41235.D			5G41288.D			5G41298.D		
Method:				8081			8081			8081			8081			8081		
Calibration Name:				CAL PEST@200PP			CAL PEST@100PP			CAL PEST@200PP			CAL PEST@200PP			CAL PEST@100PP		
Calibration Date/Time				07/26/12 08:19			07/26/12 16:46			07/26/12 20:09			07/31/12 05:12			07/31/12 08:44		
Compound	Limit	Col	Mr	Conc	Conc Exp	%Diff	Conc	Conc Exp	%Diff	Conc	Conc Exp	%Diff	Conc	Conc Exp	%Diff	Conc	Conc Exp	%Diff
TCMX-Surrogate	15	1	0	195.9	200	2.0	96.6	100	3.4	198	200	1.0	196.6	200	1.7	99.33	100	0.7
alpha-BHC	15	1	0	213.0	200	6.5	99.32	100	0.7	212.1	200	6.1	213.3	200	6.7	100.1	100	0.1
gamma-BHC	15	1	0	207.5	200	3.8	98.69	100	1.3	208.9	200	4.4	210.3	200	5.2	100.9	100	0.9
beta-BHC	15	1	0	194.2	200	2.9	94.2	100	5.8	199.2	200	0.4	199.3	200	0.4	95.5	100	4.5
Heptachlor	15	1	0	195.5	200	2.2	99.04	100	1.0	205	200	2.5	191.0	200	4.5	84.53	100	15.5
delta-BHC	15	1	0	200.6	200	0.3	95.56	100	4.4	203.2	200	1.6	206.1	200	3.1	97.36	100	2.6
Aldrin	15	1	0	203.3	200	1.6	99.94	100	0.1	207.9	200	4.0	205.6	200	2.8	100.9	100	0.9
Heptachlor Epoxide	15	1	0	196.2	200	1.9	97.86	100	2.1	202.2	200	1.1	200.9	200	0.4	98.11	100	1.9
y-chlordane	15	1	0	197.8	200	1.1	97.24	100	2.8	204.9	200	2.4	205.1	200	2.6	97.71	100	2.3
a-chlordane	15	1	0	200.6	200	0.3	97.9	100	2.1	207.3	200	3.6	207.5	200	3.7	98.32	100	1.7
Endosulfan I	15	1	0	195	200	2.5	96.69	100	3.3	201.3	200	0.7	200.9	200	0.4	97.5	100	2.5
p,p'-DDE	15	1	0	197.9	200	1.0	97.21	100	2.8	206.6	200	3.3	207.2	200	3.6	98.3	100	1.7
Dieldrin	15	1	0	200.8	200	0.4	99.19	100	0.8	208.4	200	4.2	207.4	200	3.7	99.5	100	0.5
Endrin	15	1	0	195.6	200	2.2	98.25	100	1.8	207.4	200	3.7	202.7	200	1.3	99.02	100	1.0
p,p'-DDD	15	1	0	188.7	200	5.7	93.28	100	6.7	196.4	200	1.8	194.6	200	2.7	91.51	100	8.5
Endosulfan II	15	1	0	193	200	3.5	94.81	100	5.2	201.5	200	0.8	201.9	200	0.9	95.72	100	4.3
p,p'-DDT	15	1	0	197.2	200	1.4	87.49	100	12.5	197.7	200	1.1	206.5	200	3.2	91.72	100	8.3
Endrin Aldehyde	15	1	0	186.7	200	6.7	92.56	100	7.4	189.9	200	5.1	207.4	200	3.7	94.51	100	5.5
Endosulfan Sulfate	15	1	0	197.1	200	1.5	95.5	100	4.5	202.0	200	1.0	203.5	200	1.8	95.71	100	4.3
Methoxychlor	15	1	0	184.8	200	7.6	91.14	100	8.9	199.8	200	0.1	190.7	200	4.7	90.18	100	9.8
Endrin Ketone	15	1	0	200.6	200	0.3	96.07	100	3.9	206.6	200	3.3	208.8	200	4.4	98.52	100	1.5
DCB-Surrogate	15	1	0	190.8	200	4.6	93.18	100	6.8	194.7	200	2.7	194.1	200	2.9	92.38	100	7.6
Average Difference	15	1	0			2.7			4.0			2.5			2.9			3.9
TCMX-Surrogate	15	2	0	185.9	200	7.1	99.84	100	0.2	197.9	200	1.1	191.6	200	4.2	99.24	100	0.8
alpha-BHC	15	2	0	196.9	200	1.5	100.6	100	0.6	205.9	200	3.0	197	200	1.5	99.76	100	0.2
gamma-BHC	15	2	0	193.2	200	3.4	99.23	100	0.8	203.7	200	1.8	194.6	200	2.7	98.12	100	1.9
beta-BHC	15	2	0	179.5	200	10.3	93.95	100	6.1	193.6	200	3.2	185.8	200	7.1	93.39	100	6.6
Heptachlor	15	2	0	192.4	200	3.8	107.2	100	7.2	218	200	9.0	200.6	200	0.3	98.07	100	1.9
delta-BHC	15	2	0	191.7	200	4.1	98.12	100	1.9	203.5	200	1.7	195.9	200	2.0	97.69	100	2.3
Aldrin	15	2	0	190.3	200	4.9	99.58	100	0.4	201.6	200	0.8	191.9	200	4.1	97.92	100	2.1
Heptachlor Epoxide	15	2	0	182.4	200	8.8	97.48	100	2.5	196.1	200	2.0	187.8	200	6.1	95.75	100	4.3
y-chlordane	15	2	0	189.2	200	5.4	98.84	100	1.2	204.4	200	2.2	194.7	200	2.7	96.17	100	3.8
a-chlordane	15	2	0	187.6	200	6.2	98.27	100	1.7	202.7	200	1.3	192.8	200	3.6	95.09	100	4.9
Endosulfan I	15	2	0	182	200	9.0	97.42	100	2.6	196.9	200	1.6	187.7	200	6.1	94.83	100	5.2
p,p'-DDE	15	2	0	185.2	200	7.4	97.44	100	2.6	202	200	1.0	193.8	200	3.1	95.08	100	4.9
Dieldrin	15	2	0	184.3	200	7.9	98.41	100	1.6	201.2	200	0.6	190.6	200	4.7	95.15	100	4.8
Endrin	15	2	0	178.5	200	10.8	97.74	100	2.3	201.3	200	0.6	186.7	200	6.7	94.9	100	5.1
p,p'-DDD	15	2	0	178.1	200	10.9	94.93	100	5.1	198.7	200	0.7	185	200	7.5	91.04	100	9.0
Endosulfan II	15	2	0	189.5	200	5.3	96.7	100	3.3	199.9	200	0.1	191.3	200	4.4	93.47	100	6.5
p,p'-DDT	15	2	0	190.9	200	4.6	99.23	100	0.8	209.7	200	4.9	199.4	200	0.3	90.68	100	9.3
Endrin Aldehyde	15	2	0	169.6	200	15.2	90.15	100	9.8	182.2	200	8.9	182.5	200	8.8	86.56	100	13.4
Endosulfan Sulfate	15	2	0	182.9	200	8.5	95.93	100	4.1	195.8	200	2.1	188.9	200	5.6	91.43	100	8.6
Methoxychlor	15	2	0	166.4	200	16.8*	95.05	100	4.9	199.7	200	0.2	176.1	200	12.0	88.87	100	11.1
Endrin Ketone	15	2	0	185.7	200	7.2	96.35	100	3.7	198.7	200	0.6	190.4	200	4.8	92.24	100	7.8
DCB-Surrogate	15	2	0	179.6	200	10.2	93.95	100	6.1	189.5	200	5.3	180.3	200	9.9	88.31	100	11.7
Average Difference	15	2	0			7.7			3.1			2.4			4.9			5.7

Flags/Notes: **** - Values outside of limits for this column/run***

Form7
Continuing Calibration

Method: EPA 8081A

Data File:				5G41306.D			5G41310.D			5G41319.D			6G34518.D			6G34522.D		
Method:				8081			8081			8081			8081			8081		
Calibration Name:				CAL PEST@100PP			CAL PEST@100PP			CAL PEST@200PP			CAL PEST@200PP			CAL PEST@200PP		
Calibration Date/Time				07/31/12 11:36			08/01/12 06:24			08/01/12 09:49			07/31/12 09:09			07/31/12 10:36		
Compound	Limit	Col	Mr	Conc	Conc Exp	%Diff	Conc	Conc Exp	%Diff	Conc	Conc Exp	%Diff	Conc	Conc Exp	%Diff	Conc	Conc Exp	%Diff
TCMX-Surrogate	15	1	0	101.1	100	1.1	104.8	100	4.8	200.7	200	0.3	202.5	200	1.3	199.7	200	0.2
alpha-BHC	15	1	0	98.44	100	1.6	110.9	100	10.9	217.8	200	8.9	189.2	200	5.4	200.8	200	0.4
gamma-BHC	15	1	0	103.9	100	3.9	108.9	100	8.9	213.2	200	6.6	193.1	200	3.4	199.1	200	0.4
beta-BHC	15	1	0	99.56	100	0.4	104.6	100	4.6	200.9	200	0.4	191.7	200	4.2	196.8	200	1.6
Heptachlor	15	1	0	93.09	100	6.9	95.64	100	4.4	194.6	200	2.7	198.3	200	0.9	202.5	200	1.2
delta-BHC	15	1	0	101.4	100	1.3	106.8	100	6.8	210.1	200	5.1	183.2	200	8.4	190.3	200	4.8
Aldrin	15	1	0	104.6	100	4.6	108.5	100	8.5	207.7	200	3.8	194.0	200	3.0	194.3	200	2.8
Heptachlor Epoxide	15	1	0	102.4	100	2.4	105.7	100	5.7	204.3	200	2.1	184.2	200	7.9	188.4	200	5.8
y-chlordane	15	1	0	102.2	100	2.2	106.4	100	6.4	209.8	200	4.9	187.2	200	6.4	175.5	200	12.2
a-chlordane	15	1	0	102.7	100	2.7	107.8	100	7.8	211.6	200	5.8	179.3	200	10.3	180.6	200	9.7
Endosulfan I	15	1	0	101.5	100	1.4	105.6	100	5.6	203.9	200	2.0	185.3	200	7.4	188	200	6.0
p,p'-DDE	15	1	0	103.6	100	3.6	108.1	100	8.1	213.1	200	6.6	195.4	200	2.3	197.3	200	1.3
Dieldrin	15	1	0	104.2	100	4.2	107.4	100	7.4	212	200	6.0	191.4	200	4.3	191.1	200	4.4
Endrin	15	1	0	104	100	4.0	103.9	100	3.9	201.6	200	0.8	205.1	200	2.6	203.7	200	1.8
p,p'-DDD	15	1	0	96.72	100	3.3	96.96	100	3.0	202.8	200	1.4	180.2	200	9.9	187.4	200	6.3
Endosulfan II	15	1	0	100.1	100	0.1	104.3	100	4.3	209.8	200	4.9	174.9	200	12.6	188.8	200	5.6
p,p'-DDT	15	1	0	101.8	100	1.8	104.5	100	4.5	207.5	200	3.7	176.2	200	11.9	186.4	200	6.8
Endrin Aldehyde	15	1	0	104.4	100	4.4	104.6	100	4.6	156.9	200	21.5*	177	200	11.5	175.6	200	12.2
Endosulfan Sulfate	15	1	0	101.2	100	1.2	105	100	5.0	205.2	200	2.6	186.6	200	6.7	191.3	200	4.3
Methoxychlor	15	1	0	100.7	100	0.7	92.97	100	7.0	190	200	5.0	182.4	200	8.8	192.1	200	4.0
Endrin Ketone	15	1	0	102.3	100	2.3	105.4	100	5.4	218.8	200	9.4	176.5	200	11.7	189.2	200	5.4
DCB-Surrogate	15	1	0	98.09	100	1.9	99.9	100	0.1	203.7	200	1.8	180.2	200	9.9	185.5	200	7.3
Average Difference	15	1	0			2.5			5.8			4.8			6.9			4.8
TCMX-Surrogate	15	2	0	101.4	100	1.4	100.1	100	0.1	196.8	200	1.6	188.4	200	5.8	200.9	200	0.4
alpha-BHC	15	2	0	101.7	100	1.7	103.8	100	3.8	203.3	200	1.7	189.7	200	5.1	203.4	200	1.7
gamma-BHC	15	2	0	100.8	100	0.8	102.9	100	2.9	200.6	200	0.3	189.5	200	5.3	202.2	200	1.1
beta-BHC	15	2	0	95.83	100	4.2	99.59	100	0.4	190.7	200	4.7	185.9	200	7.0	194.5	200	2.8
Heptachlor	15	2	0	105.3	100	5.3	104.4	100	4.4	209.5	200	4.7	183.7	200	8.2	210.9	200	5.4
delta-BHC	15	2	0	100.4	100	0.4	103.5	100	3.4	202.1	200	1.1	188.2	200	5.9	202.1	200	1.1
Aldrin	15	2	0	100.7	100	0.7	102.3	100	2.3	196.8	200	1.6	188.8	200	5.6	201.6	200	0.8
Heptachlor Epoxide	15	2	0	98.52	100	1.5	100.0	100	0.0	192.8	200	3.6	196.7	200	1.6	209.6	200	4.8
y-chlordane	15	2	0	96.86	100	3.1	102.1	100	2.1	199.8	200	0.1	200.1	200	0.0	209	200	4.5
a-chlordane	15	2	0	97.55	100	2.4	101.3	100	1.3	198.3	200	0.8	195.3	200	2.3	205	200	2.5
Endosulfan I	15	2	0	97.06	100	2.9	100.0	100	0.0	192.6	200	3.7	200.3	200	0.2	210.5	200	5.2
p,p'-DDE	15	2	0	99.08	100	0.9	101.6	100	1.6	199.4	200	0.3	187.3	200	6.3	200.3	200	0.2
Dieldrin	15	2	0	99.85	100	0.2	99.23	100	0.8	197.0	200	1.5	178.1	200	11.0	198.5	200	0.7
Endrin	15	2	0	100.9	100	0.9	96.4	100	3.6	189.4	200	5.3	198.5	200	0.7	221.1	200	10.5
p,p'-DDD	15	2	0	97.48	100	2.5	92.61	100	7.4	198.5	200	0.7	179.3	200	10.3	203.6	200	1.8
Endosulfan II	15	2	0	98.43	100	1.6	100.2	100	0.2	226.4	200	13.2	194.1	200	2.9	206.4	200	3.2
p,p'-DDT	15	2	0	97.67	100	2.3	99.11	100	0.9	199.3	200	0.3	172.8	200	13.6	197.8	200	1.1
Endrin Aldehyde	15	2	0	93.06	100	6.9	93.05	100	6.9	165.8	200	17.1*	172.5	200	13.8	193.2	200	3.4
Endosulfan Sulfate	15	2	0	96.13	100	3.9	98.32	100	1.7	190.1	200	5.0	185.5	200	7.2	204.5	200	2.2
Methoxychlor	15	2	0	96.06	100	3.9	84.9	100	15.1	186.5	200	6.7	178.0	200	11.0	213.8	200	6.9
Endrin Ketone	15	2	0	96.08	100	3.9	97.6	100	2.4	200.3	200	0.2	186.1	200	6.9	207.2	200	3.6
DCB-Surrogate	15	2	0	93.03	100	7.0	94.61	100	5.4	189.8	200	5.1	176.8	200	11.6	192.8	200	3.6
Average Difference	15	2	0			2.7			3.0			3.6			6.5			3.1

Flags/Notes: **** - Values outside of limits for this column/run***

Form7
RtWindow Summary

Method: EPA 8081A

2072508 0297

Data File:			5G41145.D		6G34440.D		5G41198.D		5G41224.D		5G41288.D	
Calibration Name:			CAL PEST@2PPB		CAL PEST@2PPB		CAL PEST@200PPB		CAL PEST@100PPB		CAL PEST@200PPB	
Calibration Date/Time			7/23/2012 5:17:23 PM		7/26/2012 8:31:00 AM		7/26/2012 8:19:59 AM		7/26/2012 4:46:17 PM		7/31/2012 5:12:17 AM	
Compound	Col	Mr	Cal RT	Limit	Cal RT	Limit	Cal RT	Limit	Cal RT	Limit	Cal RT	Limit
TCMX-Surrogate	1	0	6.24	(6.18 - 6.30)	5.15	(5.09 - 5.21)	6.24	(6.18 - 6.30)	6.24	(6.18 - 6.30)	6.24	(6.18 - 6.30)
alpha-BHC	1	0	7.46	(7.42 - 7.50)	6.32	(6.28 - 6.36)	7.46	(7.42 - 7.50)	7.45	(7.41 - 7.49)	7.45	(7.41 - 7.49)
gamma-BHC	1	0	7.97	(7.93 - 8.01)	6.84	(6.80 - 6.88)	7.97	(7.93 - 8.01)	7.97	(7.93 - 8.01)	7.97	(7.93 - 8.01)
beta-BHC	1	0	8.82	(8.74 - 8.90)	7.72	(7.64 - 7.80)	8.82	(8.74 - 8.90)	8.82	(8.74 - 8.90)	8.82	(8.74 - 8.90)
Heptachlor	1	0	8.29	(8.25 - 8.33)	7.15	(7.11 - 7.19)	8.29	(8.25 - 8.33)	8.29	(8.25 - 8.33)	8.29	(8.25 - 8.33)
delta-BHC	1	0	9.15	(9.07 - 9.23)	8.07	(7.99 - 8.15)	9.15	(9.07 - 9.23)	9.15	(9.07 - 9.23)	9.14	(9.06 - 9.22)
Aldrin	1	0	8.65	(8.57 - 8.73)	7.52	(7.44 - 7.60)	8.65	(8.57 - 8.73)	8.65	(8.57 - 8.73)	8.65	(8.57 - 8.73)
Heptachlor Epoxide	1	0	9.44	(9.40 - 9.48)	8.35	(8.31 - 8.39)	9.44	(9.40 - 9.48)	9.44	(9.40 - 9.48)	9.44	(9.40 - 9.48)
v-chlordane	1	0	9.82	(9.78 - 9.86)	8.75	(8.71 - 8.79)	9.82	(9.78 - 9.86)	9.82	(9.78 - 9.86)	9.81	(9.77 - 9.85)
a-chlordane	1	0	9.89	(9.85 - 9.93)	8.82	(8.78 - 8.86)	9.89	(9.85 - 9.93)	9.89	(9.85 - 9.93)	9.88	(9.84 - 9.92)
Endosulfan I	1	0	9.79	(9.75 - 9.83)	8.72	(8.68 - 8.76)	9.79	(9.75 - 9.83)	9.79	(9.75 - 9.83)	9.78	(9.74 - 9.82)
p,p'-DDE	1	0	9.98	(9.90 - 10.06)	8.90	(8.82 - 8.98)	9.98	(9.90 - 10.06)	9.98	(9.90 - 10.06)	9.97	(9.89 - 10.05)
Dieldrin	1	0	10.21	(10.13 - 10.29)	9.16	(9.08 - 9.24)	10.21	(10.13 - 10.29)	10.20	(10.12 - 10.28)	10.20	(10.12 - 10.28)
Endrin	1	0	10.45	(10.41 - 10.49)	9.42	(9.38 - 9.46)	10.46	(10.42 - 10.50)	10.45	(10.41 - 10.49)	10.45	(10.41 - 10.49)
p,p'-DDD	1	0	10.86	(10.78 - 10.94)	9.84	(9.76 - 9.92)	10.86	(10.78 - 10.94)	10.85	(10.77 - 10.93)	10.85	(10.77 - 10.93)
Endosulfan II	1	0	10.97	(10.89 - 11.05)	9.98	(9.90 - 10.06)	10.97	(10.89 - 11.05)	10.97	(10.89 - 11.05)	10.96	(10.88 - 11.04)
p,p'-DDT	1	0	11.07	(10.99 - 11.15)	10.06	(9.98 - 10.14)	11.07	(10.99 - 11.15)	11.07	(10.99 - 11.15)	11.06	(10.98 - 11.14)
Endrin Aldehyde	1	0	11.41	(11.33 - 11.49)	10.46	(10.38 - 10.54)	11.41	(11.33 - 11.49)	11.41	(11.33 - 11.49)	11.41	(11.33 - 11.49)
Endosulfan Sulfate	1	0	11.76	(11.72 - 11.80)	10.83	(10.79 - 10.87)	11.76	(11.72 - 11.80)	11.75	(11.71 - 11.79)	11.75	(11.71 - 11.79)
Methoxychlor	1	0	11.71	(11.67 - 11.75)	10.75	(10.71 - 10.79)	11.72	(11.68 - 11.76)	11.71	(11.67 - 11.75)	11.71	(11.67 - 11.75)
Endrin Ketone	1	0	12.24	(12.16 - 12.32)	11.37	(11.29 - 11.45)	12.25	(12.17 - 12.33)	12.24	(12.16 - 12.32)	12.24	(12.16 - 12.32)
DCB-Surrogate	1	0	13.21	(13.15 - 13.27)	12.46	(12.40 - 12.52)	13.21	(13.15 - 13.27)	13.21	(13.15 - 13.27)	13.20	(13.14 - 13.26)
Chlordane	1	1	8.09	(8.05 - 8.13)	6.95	(6.91 - 6.99)						
Chlordane	1	2	9.82	(9.78 - 9.86)	8.75	(8.71 - 8.79)						
Chlordane	1	3	9.89	(9.85 - 9.93)	8.82	(8.78 - 8.86)						
Toxaphene	1	1	9.87	(9.83 - 9.91)	8.82	(8.78 - 8.86)						
Toxaphene	1	2	10.13	(10.09 - 10.17)	9.08	(9.04 - 9.12)						
Toxaphene	1	3	10.69	(10.65 - 10.73)	9.89	(9.85 - 9.93)						
Toxaphene	1	4	11.31	(11.27 - 11.35)	10.33	(10.29 - 10.37)						
Toxaphene	1	5	11.75	(11.71 - 11.79)	10.81	(10.77 - 10.85)						
TCMX-Surrogate	2	0	6.05	(5.99 - 6.11)	4.94	(4.88 - 5.00)	6.04	(5.98 - 6.10)	6.05	(5.99 - 6.11)	6.05	(5.99 - 6.11)
alpha-BHC	2	0	7.05	(7.01 - 7.09)	5.84	(5.80 - 5.88)	7.04	(7.00 - 7.08)	7.05	(7.01 - 7.09)	7.05	(7.01 - 7.09)
gamma-BHC	2	0	7.58	(7.54 - 7.62)	6.37	(6.33 - 6.41)	7.58	(7.54 - 7.62)	7.58	(7.54 - 7.62)	7.58	(7.54 - 7.62)
beta-BHC	2	0	7.67	(7.59 - 7.75)	6.45	(6.37 - 6.53)	7.67	(7.59 - 7.75)	7.67	(7.59 - 7.75)	7.67	(7.59 - 7.75)
Heptachlor	2	0	8.01	(7.97 - 8.05)	6.81	(6.77 - 6.85)	8.01	(7.97 - 8.05)	8.01	(7.97 - 8.05)	8.01	(7.97 - 8.05)
delta-BHC	2	0	8.16	(8.08 - 8.24)	6.94	(6.86 - 7.02)	8.15	(8.07 - 8.23)	8.16	(8.08 - 8.24)	8.16	(8.08 - 8.24)
Aldrin	2	0	8.44	(8.36 - 8.52)	7.25	(7.17 - 7.33)	8.44	(8.36 - 8.52)	8.44	(8.36 - 8.52)	8.44	(8.36 - 8.52)
Heptachlor Epoxide	2	0	9.14	(9.10 - 9.18)	7.97	(7.93 - 8.01)	9.14	(9.10 - 9.18)	9.14	(9.10 - 9.18)	9.14	(9.10 - 9.18)
v-chlordane	2	0	9.34	(9.30 - 9.38)	8.17	(8.13 - 8.21)	9.34	(9.30 - 9.38)	9.34	(9.30 - 9.38)	9.34	(9.30 - 9.38)
a-chlordane	2	0	9.54	(9.50 - 9.58)	8.38	(8.34 - 8.42)	9.53	(9.49 - 9.57)	9.54	(9.50 - 9.58)	9.54	(9.50 - 9.58)
Endosulfan I	2	0	9.58	(9.54 - 9.62)	8.43	(8.39 - 8.47)	9.58	(9.54 - 9.62)	9.58	(9.54 - 9.62)	9.58	(9.54 - 9.62)
p,p'-DDE	2	0	9.83	(9.75 - 9.91)	8.67	(8.59 - 8.75)	9.82	(9.74 - 9.90)	9.83	(9.75 - 9.91)	9.83	(9.74 - 9.90)
Dieldrin	2	0	9.95	(9.87 - 10.03)	8.81	(8.73 - 8.89)	9.95	(9.87 - 10.03)	9.95	(9.87 - 10.03)	9.95	(9.87 - 10.03)
Endrin	2	0	10.40	(10.36 - 10.44)	9.28	(9.24 - 9.32)	10.39	(10.35 - 10.43)	10.40	(10.36 - 10.44)	10.39	(10.35 - 10.43)
p,p'-DDD	2	0	10.49	(10.41 - 10.57)	9.37	(9.29 - 9.45)	10.48	(10.40 - 10.56)	10.49	(10.41 - 10.57)	10.49	(10.41 - 10.57)
Endosulfan II	2	0	10.60	(10.52 - 10.68)	9.50	(9.42 - 9.58)	10.60	(10.52 - 10.68)	10.60	(10.52 - 10.68)	10.60	(10.52 - 10.68)
p,p'-DDT	2	0	10.84	(10.76 - 10.92)	9.74	(9.66 - 9.82)	10.84	(10.76 - 10.92)	10.84	(10.76 - 10.92)	10.84	(10.76 - 10.92)
Endrin Aldehyde	2	0	10.99	(10.91 - 11.07)	9.90	(9.82 - 9.98)	10.98	(10.90 - 11.06)	10.99	(10.91 - 11.07)	10.98	(10.90 - 11.06)
Endosulfan Sulfate	2	0	11.13	(11.09 - 11.17)	10.05	(10.01 - 10.09)	11.12	(11.08 - 11.16)	11.13	(11.09 - 11.17)	11.13	(11.09 - 11.17)
Methoxychlor	2	0	11.84	(11.80 - 11.88)	10.79	(10.75 - 10.83)	11.84	(11.80 - 11.88)	11.84	(11.80 - 11.88)	11.84	(11.80 - 11.88)
Endrin Ketone	2	0	12.04	(11.96 - 12.12)	11.03	(10.95 - 11.11)	12.04	(11.96 - 12.12)	12.04	(11.96 - 12.12)	12.04	(11.96 - 12.12)
DCB-Surrogate	2	0	13.41	(13.35 - 13.47)	12.62	(12.56 - 12.68)	13.41	(13.35 - 13.47)	13.41	(13.35 - 13.47)	13.41	(13.35 - 13.47)
Chlordane	2	1	7.81	(7.77 - 7.85)	6.60	(6.56 - 6.64)						
Chlordane	2	2	9.34	(9.30 - 9.38)	8.18	(8.14 - 8.22)						
Chlordane	2	3	9.54	(9.50 - 9.58)	8.38	(8.34 - 8.42)						
Toxaphene	2	1	9.70	(9.66 - 9.74)	8.55	(8.51 - 8.59)						
Toxaphene	2	2	9.79	(9.75 - 9.83)	8.64	(8.60 - 8.68)						
Toxaphene	2	3	10.88	(10.84 - 10.92)	9.79	(9.75 - 9.83)						
Toxaphene	2	4	11.58	(11.54 - 11.62)	10.54	(10.50 - 10.58)						
Toxaphene	2	5	11.65	(11.61 - 11.69)	10.61	(10.57 - 10.65)						

Form7

RtWindow Summary

Method: EPA 8081A

Data File:			5G41298.D		5G41310.D		6G34518.D					
Calibration Name:			CAL PEST@100PPB		CAL PEST@100PPB		CAL PEST@200PPB					
Calibration Date/Time			7/31/2012 8:44:02 AM		8/1/2012 6:24:35 AM		7/31/2012 9:09:00 AM					
Compound	Col	Mr	Cal RT	Limit	Cal RT	Limit	Cal RT	Limit	Cal RT	Limit	Cal RT	Limit
TCMX-Surrogate	1	0	6.24	(6.18 - 6.30)	6.24	(6.18 - 6.30)	5.14	(5.08 - 5.20)				
alpha-BHC	1	0	7.45	(7.41 - 7.49)	7.45	(7.41 - 7.49)	6.32	(6.28 - 6.36)				
gamma-BHC	1	0	7.97	(7.93 - 8.01)	7.97	(7.93 - 8.01)	6.84	(6.80 - 6.88)				
beta-BHC	1	0	8.82	(8.74 - 8.90)	8.82	(8.74 - 8.90)	7.71	(7.63 - 7.79)				
Heptachlor	1	0	8.23	(8.24 - 8.32)	8.28	(8.24 - 8.32)	7.14	(7.10 - 7.18)				
delta-BHC	1	0	9.14	(9.06 - 9.22)	9.14	(9.06 - 9.22)	8.06	(7.98 - 8.14)				
Aldrin	1	0	8.65	(8.57 - 8.73)	8.65	(8.57 - 8.73)	7.52	(7.44 - 7.60)				
Heptachlor Epoxide	1	0	9.44	(9.40 - 9.48)	9.44	(9.40 - 9.48)	8.35	(8.31 - 8.39)				
g-chlordane	1	0	9.81	(9.77 - 9.85)	9.81	(9.77 - 9.85)	8.74	(8.70 - 8.78)				
a-chlordane	1	0	9.88	(9.84 - 9.92)	9.88	(9.84 - 9.92)	8.81	(8.77 - 8.85)				
Endosulfan I	1	0	9.78	(9.74 - 9.82)	9.78	(9.74 - 9.82)	8.71	(8.67 - 8.75)				
p,p'-DDE	1	0	9.97	(9.89 - 10.05)	9.97	(9.89 - 10.05)	8.89	(8.81 - 8.97)				
Dieldrin	1	0	10.20	(10.12 - 10.28)	10.20	(10.12 - 10.28)	9.15	(9.07 - 9.23)				
Endrin	1	0	10.45	(10.41 - 10.49)	10.45	(10.41 - 10.49)	9.42	(9.38 - 9.46)				
p,p'-DDD	1	0	10.85	(10.77 - 10.93)	10.85	(10.77 - 10.93)	9.84	(9.76 - 9.92)				
Endosulfan II	1	0	10.96	(10.88 - 11.04)	10.96	(10.88 - 11.04)	9.97	(9.89 - 10.05)				
p,p'-DDT	1	0	11.06	(10.98 - 11.14)	11.06	(10.98 - 11.14)	10.06	(9.98 - 10.14)				
Endrin Aldehyde	1	0	11.41	(11.33 - 11.49)	11.41	(11.33 - 11.49)	10.46	(10.38 - 10.54)				
Endosulfan Sulfate	1	0	11.75	(11.71 - 11.79)	11.75	(11.71 - 11.79)	10.82	(10.78 - 10.86)				
Methoxychlor	1	0	11.71	(11.67 - 11.75)	11.71	(11.67 - 11.75)	10.74	(10.70 - 10.78)				
Endrin Ketone	1	0	12.23	(12.15 - 12.31)	12.24	(12.16 - 12.32)	11.37	(11.29 - 11.45)				
DCB-Surrogate	1	0	13.20	(13.14 - 13.26)	13.20	(13.14 - 13.26)	12.45	(12.39 - 12.51)				
Chlordane	1	1										
Chlordane	1	2										
Chlordane	1	3										
Toxaphene	1	1										
Toxaphene	1	2										
Toxaphene	1	3										
Toxaphene	1	4										
Toxaphene	1	5										
TCMX-Surrogate	2	0	6.04	(5.98 - 6.10)	6.05	(5.99 - 6.11)	4.93	(4.87 - 4.99)				
alpha-BHC	2	0	7.05	(7.01 - 7.09)	7.05	(7.01 - 7.09)	5.84	(5.80 - 5.88)				
gamma-BHC	2	0	7.58	(7.54 - 7.62)	7.58	(7.54 - 7.62)	6.36	(6.32 - 6.40)				
beta-BHC	2	0	7.67	(7.59 - 7.75)	7.67	(7.59 - 7.75)	6.45	(6.37 - 6.53)				
Heptachlor	2	0	8.01	(7.97 - 8.05)	8.01	(7.97 - 8.05)	6.80	(6.76 - 6.84)				
delta-BHC	2	0	8.15	(8.07 - 8.23)	8.16	(8.08 - 8.24)	6.94	(6.86 - 7.02)				
Aldrin	2	0	8.44	(8.36 - 8.52)	8.44	(8.36 - 8.52)	7.25	(7.17 - 7.33)				
Heptachlor Epoxide	2	0	9.14	(9.10 - 9.18)	9.14	(9.10 - 9.18)	7.96	(7.92 - 8.00)				
g-chlordane	2	0	9.34	(9.30 - 9.38)	9.34	(9.30 - 9.38)	8.17	(8.13 - 8.21)				
a-chlordane	2	0	9.54	(9.50 - 9.58)	9.54	(9.50 - 9.58)	8.37	(8.33 - 8.41)				
Endosulfan I	2	0	9.58	(9.54 - 9.62)	9.58	(9.54 - 9.62)	8.42	(8.38 - 8.46)				
p,p'-DDE	2	0	9.82	(9.74 - 9.90)	9.82	(9.74 - 9.90)	8.66	(8.58 - 8.74)				
Dieldrin	2	0	9.95	(9.87 - 10.03)	9.95	(9.87 - 10.03)	8.81	(8.73 - 8.89)				
Endrin	2	0	10.39	(10.35 - 10.43)	10.39	(10.35 - 10.43)	9.28	(9.24 - 9.32)				
p,p'-DDD	2	0	10.48	(10.40 - 10.56)	10.49	(10.40 - 10.56)	9.36	(9.28 - 9.44)				
Endosulfan II	2	0	10.60	(10.52 - 10.68)	10.60	(10.52 - 10.68)	9.50	(9.42 - 9.58)				
p,p'-DDT	2	0	10.84	(10.76 - 10.92)	10.84	(10.76 - 10.92)	9.74	(9.66 - 9.82)				
Endrin Aldehyde	2	0	10.98	(10.90 - 11.06)	10.98	(10.90 - 11.06)	9.90	(9.82 - 9.98)				
Endosulfan Sulfate	2	0	11.12	(11.08 - 11.16)	11.13	(11.09 - 11.17)	10.05	(10.01 - 10.09)				
Methoxychlor	2	0	11.84	(11.80 - 11.88)	11.84	(11.80 - 11.88)	10.79	(10.75 - 10.83)				
Endrin Ketone	2	0	12.04	(11.96 - 12.12)	12.04	(11.96 - 12.12)	11.02	(10.94 - 11.10)				
DCB-Surrogate	2	0	13.41	(13.35 - 13.47)	13.41	(13.35 - 13.47)	12.61	(12.55 - 12.67)				
Chlordane	2	1										
Chlordane	2	2										
Chlordane	2	3										
Toxaphene	2	1										
Toxaphene	2	2										
Toxaphene	2	3										
Toxaphene	2	4										
Toxaphene	2	5										

Metal Data

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC67271-001	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	MW-1 U	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	AQUEOUS	Date Rec:	7/25/2012	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	180	7800	1	50	50	07/31/12	16587	W14166A2	31	P	PEICP2A
7440-36-0	Antimony	12	ND	1	50	50	07/31/12	16587	W14166A2	31	P	PEICP2A
7440-38-2	Arsenic	7.5	ND	1	50	50	07/31/12	16587	W14166A2	31	P	PEICP2A
7440-39-3	Barium	50	240	1	50	50	07/31/12	16587	W14166A2	31	P	PEICP2A
7440-41-7	Beryllium	4.0	ND	1	50	50	07/31/12	16587	W14166A2	31	P	PEICP2A
7440-43-9	Cadmium	3.5	ND	1	50	50	07/31/12	16587	W14166A2	31	P	PEICP2A
7440-70-2	Calcium	2000	74000	1	50	50	07/31/12	16587	W14166A2	31	P	PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	07/31/12	16587	W14166A2	31	P	PEICP2A
7440-48-4	Cobalt	20	ND	1	50	50	07/31/12	16587	W14166A2	31	P	PEICP2A
7440-50-8	Copper	50	ND	1	50	50	07/31/12	16587	W14166A2	31	P	PEICP2A
7439-89-6	Iron	280	11000	1	50	50	07/31/12	16587	W14166A2	31	P	PEICP2A
7439-92-1	Lead	4.0	9.9	1	50	50	07/31/12	16587	W14166A2	31	P	PEICP2A
7439-95-4	Magnesium	2000	36000	1	50	50	07/31/12	16587	W14166A2	31	P	PEICP2A
7439-96-5	Manganese	40	310	1	50	50	07/31/12	16587	W14166A2	31	P	PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	07/31/12	16587	H14166SW	23	CV	HGCV1A
7440-02-0	Nickel	50	ND	1	50	50	07/31/12	16587	W14166A2	31	P	PEICP2A
7440-09-7	Potassium	5000	12000	1	50	50	08/01/12	16587	W14166B2	25	P	PEICPRAD2A
7782-49-2	Selenium	40	ND	1	50	50	07/31/12	16587	W14166A2	31	P	PEICP2A
7440-22-4	Silver	20	ND	1	50	50	07/31/12	16587	W14166A2	31	P	PEICP2A
7440-23-5	Sodium	5000	150000	1	50	50	08/01/12	16587	W14166B2	25	P	PEICPRAD2A
7440-28-0	Thallium	10	ND	1	50	50	07/31/12	16587	W14166A2	31	P	PEICP2A
7440-62-2	Vanadium	50	ND	1	50	50	07/31/12	16587	W14166A2	31	P	PEICP2A
7440-66-6	Zinc	50	ND	1	50	50	07/31/12	16587	W14166A2	31	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC67271-002	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	MW-1 F	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	AQUEOUS	Date Rec:	7/25/2012	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	180	ND	1	50	50	07/31/12	16587	W14166A2	32	P	PEICP2A
7440-36-0	Antimony	12	ND	1	50	50	07/31/12	16587	W14166A2	32	P	PEICP2A
7440-38-2	Arsenic	7.5	ND	1	50	50	07/31/12	16587	W14166A2	32	P	PEICP2A
7440-39-3	Barium	50	97	1	50	50	07/31/12	16587	W14166A2	32	P	PEICP2A
7440-41-7	Beryllium	4.0	ND	1	50	50	07/31/12	16587	W14166A2	32	P	PEICP2A
7440-43-9	Cadmium	3.5	ND	1	50	50	07/31/12	16587	W14166A2	32	P	PEICP2A
7440-70-2	Calcium	2000	73000	1	50	50	07/31/12	16587	W14166A2	32	P	PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	07/31/12	16587	W14166A2	32	P	PEICP2A
7440-48-4	Cobalt	20	ND	1	50	50	07/31/12	16587	W14166A2	32	P	PEICP2A
7440-50-8	Copper	50	ND	1	50	50	07/31/12	16587	W14166A2	32	P	PEICP2A
7439-89-6	Iron	280	ND	1	50	50	07/31/12	16587	W14166A2	32	P	PEICP2A
7439-92-1	Lead	4.0	ND	1	50	50	07/31/12	16587	W14166A2	32	P	PEICP2A
7439-95-4	Magnesium	2000	34000	1	50	50	07/31/12	16587	W14166A2	32	P	PEICP2A
7439-96-5	Manganese	40	86	1	50	50	07/31/12	16587	W14166A2	32	P	PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	07/31/12	16587	H14166SW	24	CV	HGCV1A
7440-02-0	Nickel	50	ND	1	50	50	07/31/12	16587	W14166A2	32	P	PEICP2A
7440-09-7	Potassium	5000	8500	1	50	50	08/01/12	16587	W14166B2	26	P	PEICPRAD2A
7782-49-2	Selenium	40	ND	1	50	50	07/31/12	16587	W14166A2	32	P	PEICP2A
7440-22-4	Silver	20	ND	1	50	50	07/31/12	16587	W14166A2	32	P	PEICP2A
7440-23-5	Sodium	5000	150000	1	50	50	08/01/12	16587	W14166B2	26	P	PEICPRAD2A
7440-28-0	Thallium	10	ND	1	50	50	07/31/12	16587	W14166A2	32	P	PEICP2A
7440-62-2	Vanadium	50	ND	1	50	50	07/31/12	16587	W14166A2	32	P	PEICP2A
7440-66-6	Zinc	50	ND	1	50	50	07/31/12	16587	W14166A2	32	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC67271-003	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	MW-2 U	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	AQUEOUS	Date Rec:	7/25/2012	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	180	3900	1	50	50	07/31/12	16587	W14166A2	33	P	PEICP2A
7440-36-0	Antimony	12	ND	1	50	50	07/31/12	16587	W14166A2	33	P	PEICP2A
7440-38-2	Arsenic	7.5	ND	1	50	50	07/31/12	16587	W14166A2	33	P	PEICP2A
7440-39-3	Barium	50	240	1	50	50	07/31/12	16587	W14166A2	33	P	PEICP2A
7440-41-7	Beryllium	4.0	ND	1	50	50	07/31/12	16587	W14166A2	33	P	PEICP2A
7440-43-9	Cadmium	3.5	ND	1	50	50	07/31/12	16587	W14166A2	33	P	PEICP2A
7440-70-2	Calcium	2000	79000	1	50	50	07/31/12	16587	W14166A2	33	P	PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	07/31/12	16587	W14166A2	33	P	PEICP2A
7440-48-4	Cobalt	20	ND	1	50	50	07/31/12	16587	W14166A2	33	P	PEICP2A
7440-50-8	Copper	50	ND	1	50	50	07/31/12	16587	W14166A2	33	P	PEICP2A
7439-89-6	Iron	280	5700	1	50	50	07/31/12	16587	W14166A2	33	P	PEICP2A
7439-92-1	Lead	4.0	4.7	1	50	50	07/31/12	16587	W14166A2	33	P	PEICP2A
7439-95-4	Magnesium	2000	29000	1	50	50	07/31/12	16587	W14166A2	33	P	PEICP2A
7439-96-5	Manganese	40	1800	1	50	50	07/31/12	16587	W14166A2	33	P	PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	07/31/12	16587	H14166SW	25	CV	HGCV1A
7440-02-0	Nickel	50	ND	1	50	50	07/31/12	16587	W14166A2	33	P	PEICP2A
7440-09-7	Potassium	5000	14000	1	50	50	08/01/12	16587	W14166B2	27	P	PEICPRAD2A
7782-49-2	Selenium	40	ND	1	50	50	07/31/12	16587	W14166A2	33	P	PEICP2A
7440-22-4	Silver	20	ND	1	50	50	07/31/12	16587	W14166A2	33	P	PEICP2A
7440-23-5	Sodium	5000	160000	1	50	50	08/01/12	16587	W14166B2	27	P	PEICPRAD2A
7440-28-0	Thallium	10	ND	1	50	50	07/31/12	16587	W14166A2	33	P	PEICP2A
7440-62-2	Vanadium	50	ND	1	50	50	07/31/12	16587	W14166A2	33	P	PEICP2A
7440-66-6	Zinc	50	ND	1	50	50	07/31/12	16587	W14166A2	33	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC67271-004	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	MW-2 F	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	AQUEOUS	Date Rec:	7/25/2012	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	180	ND	1	50	50	07/31/12	16587	W14166A2	34	P	PEICP2A
7440-36-0	Antimony	12	ND	1	50	50	07/31/12	16587	W14166A2	34	P	PEICP2A
7440-38-2	Arsenic	7.5	ND	1	50	50	07/31/12	16587	W14166A2	34	P	PEICP2A
7440-39-3	Barium	50	150	1	50	50	07/31/12	16587	W14166A2	34	P	PEICP2A
7440-41-7	Beryllium	4.0	ND	1	50	50	07/31/12	16587	W14166A2	34	P	PEICP2A
7440-43-9	Cadmium	3.5	ND	1	50	50	07/31/12	16587	W14166A2	34	P	PEICP2A
7440-70-2	Calcium	2000	75000	1	50	50	07/31/12	16587	W14166A2	34	P	PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	07/31/12	16587	W14166A2	34	P	PEICP2A
7440-48-4	Cobalt	20	ND	1	50	50	07/31/12	16587	W14166A2	34	P	PEICP2A
7440-50-8	Copper	50	ND	1	50	50	07/31/12	16587	W14166A2	34	P	PEICP2A
7439-89-6	Iron	280	ND	1	50	50	07/31/12	16587	W14166A2	34	P	PEICP2A
7439-92-1	Lead	4.0	ND	1	50	50	07/31/12	16587	W14166A2	34	P	PEICP2A
7439-95-4	Magnesium	2000	27000	1	50	50	07/31/12	16587	W14166A2	34	P	PEICP2A
7439-96-5	Manganese	40	1600	1	50	50	07/31/12	16587	W14166A2	34	P	PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	07/31/12	16587	H14166SW	26	CV	HGCV1A
7440-02-0	Nickel	50	ND	1	50	50	07/31/12	16587	W14166A2	34	P	PEICP2A
7440-09-7	Potassium	5000	10000	1	50	50	08/01/12	16587	W14166B2	28	P	PEICPRAD2A
7782-49-2	Selenium	40	ND	1	50	50	07/31/12	16587	W14166A2	34	P	PEICP2A
7440-22-4	Silver	20	ND	1	50	50	07/31/12	16587	W14166A2	34	P	PEICP2A
7440-23-5	Sodium	5000	160000	1	50	50	08/01/12	16587	W14166B2	28	P	PEICPRAD2A
7440-28-0	Thallium	10	ND	1	50	50	07/31/12	16587	W14166A2	34	P	PEICP2A
7440-62-2	Vanadium	50	ND	1	50	50	07/31/12	16587	W14166A2	34	P	PEICP2A
7440-66-6	Zinc	50	ND	1	50	50	07/31/12	16587	W14166A2	34	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC67271-005	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	MW-3 U	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	AQUEOUS	Date Rec:	7/25/2012	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	180	59000	1	50	50	07/31/12	16587	W14166A2	35	P	PEICP2A
7440-36-0	Antimony	12	ND	1	50	50	07/31/12	16587	W14166A2	35	P	PEICP2A
7440-38-2	Arsenic	7.5	9.9	1	50	50	07/31/12	16587	W14166A2	35	P	PEICP2A
7440-39-3	Barium	50	800	1	50	50	07/31/12	16587	W14166A2	35	P	PEICP2A
7440-41-7	Beryllium	4.0	7.6	1	50	50	07/31/12	16587	W14166A2	35	P	PEICP2A
7440-43-9	Cadmium	3.5	ND	1	50	50	07/31/12	16587	W14166A2	35	P	PEICP2A
7440-70-2	Calcium	2000	110000	1	50	50	07/31/12	16587	W14166A2	35	P	PEICP2A
7440-47-3	Chromium	50	110	1	50	50	07/31/12	16587	W14166A2	35	P	PEICP2A
7440-48-4	Cobalt	20	33	1	50	50	07/31/12	16587	W14166A2	35	P	PEICP2A
7440-50-8	Copper	50	160	1	50	50	07/31/12	16587	W14166A2	35	P	PEICP2A
7439-89-6	Iron	280	92000	1	50	50	07/31/12	16587	W14166A2	35	P	PEICP2A
7439-92-1	Lead	4.0	250	1	50	50	07/31/12	16587	W14166A2	35	P	PEICP2A
7439-95-4	Magnesium	2000	54000	1	50	50	07/31/12	16587	W14166A2	35	P	PEICP2A
7439-96-5	Manganese	40	2900	1	50	50	07/31/12	16587	W14166A2	35	P	PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	07/31/12	16587	H14166SW	27	CV	HGCV1A
7440-02-0	Nickel	50	81	1	50	50	07/31/12	16587	W14166A2	35	P	PEICP2A
7440-09-7	Potassium	5000	26000	1	50	50	08/01/12	16587	W14166B2	29	P	PEICPRAD2A
7782-49-2	Selenium	40	ND	1	50	50	07/31/12	16587	W14166A2	35	P	PEICP2A
7440-22-4	Silver	20	ND	1	50	50	07/31/12	16587	W14166A2	35	P	PEICP2A
7440-23-5	Sodium	5000	120000	1	50	50	08/01/12	16587	W14166B2	29	P	PEICPRAD2A
7440-28-0	Thallium	10	ND	1	50	50	07/31/12	16587	W14166A2	35	P	PEICP2A
7440-62-2	Vanadium	50	93	1	50	50	07/31/12	16587	W14166A2	35	P	PEICP2A
7440-66-6	Zinc	50	180	1	50	50	07/31/12	16587	W14166A2	35	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC67271-006	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	MW-3 F	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	AQUEOUS	Date Rec:	7/25/2012	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	180	450	1	50	50	07/31/12	16587	W14166A2	40	P	PEICP2A
7440-36-0	Antimony	12	ND	1	50	50	07/31/12	16587	W14166A2	40	P	PEICP2A
7440-38-2	Arsenic	7.5	ND	1	50	50	07/31/12	16587	W14166A2	40	P	PEICP2A
7440-39-3	Barium	50	81	1	50	50	07/31/12	16587	W14166A2	40	P	PEICP2A
7440-41-7	Beryllium	4.0	ND	1	50	50	07/31/12	16587	W14166A2	40	P	PEICP2A
7440-43-9	Cadmium	3.5	ND	1	50	50	07/31/12	16587	W14166A2	40	P	PEICP2A
7440-70-2	Calcium	2000	89000	1	50	50	07/31/12	16587	W14166A2	40	P	PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	07/31/12	16587	W14166A2	40	P	PEICP2A
7440-48-4	Cobalt	20	ND	1	50	50	07/31/12	16587	W14166A2	40	P	PEICP2A
7440-50-8	Copper	50	ND	1	50	50	07/31/12	16587	W14166A2	40	P	PEICP2A
7439-89-6	Iron	280	410	1	50	50	07/31/12	16587	W14166A2	40	P	PEICP2A
7439-92-1	Lead	4.0	ND	1	50	50	07/31/12	16587	W14166A2	40	P	PEICP2A
7439-95-4	Magnesium	2000	46000	1	50	50	07/31/12	16587	W14166A2	40	P	PEICP2A
7439-96-5	Manganese	40	810	1	50	50	07/31/12	16587	W14166A2	40	P	PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	07/31/12	16587	H14166SW	28	CV	HGCV1A
7440-02-0	Nickel	50	ND	1	50	50	07/31/12	16587	W14166A2	40	P	PEICP2A
7440-09-7	Potassium	5000	11000	1	50	50	08/01/12	16587	W14166B2	34	P	PEICPRAD2A
7782-49-2	Selenium	40	ND	1	50	50	07/31/12	16587	W14166A2	40	P	PEICP2A
7440-22-4	Silver	20	ND	1	50	50	07/31/12	16587	W14166A2	40	P	PEICP2A
7440-23-5	Sodium	5000	120000	1	50	50	08/01/12	16587	W14166B2	34	P	PEICPRAD2A
7440-28-0	Thallium	10	ND	1	50	50	07/31/12	16587	W14166A2	40	P	PEICP2A
7440-62-2	Vanadium	50	ND	1	50	50	07/31/12	16587	W14166A2	40	P	PEICP2A
7440-66-6	Zinc	50	ND	1	50	50	07/31/12	16587	W14166A2	40	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC67271-007	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	MW-3 DUPLICATE U	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	AQUEOUS	Date Rec:	7/25/2012	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	180	56000	1	50	50	07/31/12	16587	W14166A2	41	P	PEICP2A
7440-36-0	Antimony	12	ND	1	50	50	07/31/12	16587	W14166A2	41	P	PEICP2A
7440-38-2	Arsenic	7.5	10	1	50	50	07/31/12	16587	W14166A2	41	P	PEICP2A
7440-39-3	Barium	50	780	1	50	50	07/31/12	16587	W14166A2	41	P	PEICP2A
7440-41-7	Beryllium	4.0	7.3	1	50	50	07/31/12	16587	W14166A2	41	P	PEICP2A
7440-43-9	Cadmium	3.5	ND	1	50	50	07/31/12	16587	W14166A2	41	P	PEICP2A
7440-70-2	Calcium	2000	110000	1	50	50	07/31/12	16587	W14166A2	41	P	PEICP2A
7440-47-3	Chromium	50	110	1	50	50	07/31/12	16587	W14166A2	41	P	PEICP2A
7440-48-4	Cobalt	20	33	1	50	50	07/31/12	16587	W14166A2	41	P	PEICP2A
7440-50-8	Copper	50	160	1	50	50	07/31/12	16587	W14166A2	41	P	PEICP2A
7439-89-6	Iron	280	89000	1	50	50	07/31/12	16587	W14166A2	41	P	PEICP2A
7439-92-1	Lead	4.0	250	1	50	50	07/31/12	16587	W14166A2	41	P	PEICP2A
7439-95-4	Magnesium	2000	54000	1	50	50	07/31/12	16587	W14166A2	41	P	PEICP2A
7439-96-5	Manganese	40	2800	1	50	50	07/31/12	16587	W14166A2	41	P	PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	07/31/12	16587	H14166SW	29	CV	HGCV1A
7440-02-0	Nickel	50	79	1	50	50	07/31/12	16587	W14166A2	41	P	PEICP2A
7440-09-7	Potassium	5000	25000	1	50	50	08/01/12	16587	W14166B2	35	P	PEICPRAD2A
7782-49-2	Selenium	40	ND	1	50	50	07/31/12	16587	W14166A2	41	P	PEICP2A
7440-22-4	Silver	20	ND	1	50	50	07/31/12	16587	W14166A2	41	P	PEICP2A
7440-23-5	Sodium	5000	120000	1	50	50	08/01/12	16587	W14166B2	35	P	PEICPRAD2A
7440-28-0	Thallium	10	ND	1	50	50	07/31/12	16587	W14166A2	41	P	PEICP2A
7440-62-2	Vanadium	50	91	1	50	50	07/31/12	16587	W14166A2	41	P	PEICP2A
7440-66-6	Zinc	50	170	1	50	50	07/31/12	16587	W14166A2	41	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC67271-008	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	MW-3 DUPLICATE F	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	AQUEOUS	Date Rec:	7/25/2012	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	180	ND	1	50	50	07/31/12	16587	W14166A2	42	P	PEICP2A
7440-36-0	Antimony	12	ND	1	50	50	07/31/12	16587	W14166A2	42	P	PEICP2A
7440-38-2	Arsenic	7.5	ND	1	50	50	07/31/12	16587	W14166A2	42	P	PEICP2A
7440-39-3	Barium	50	79	1	50	50	07/31/12	16587	W14166A2	42	P	PEICP2A
7440-41-7	Beryllium	4.0	ND	1	50	50	07/31/12	16587	W14166A2	42	P	PEICP2A
7440-43-9	Cadmium	3.5	ND	1	50	50	07/31/12	16587	W14166A2	42	P	PEICP2A
7440-70-2	Calcium	2000	90000	1	50	50	07/31/12	16587	W14166A2	42	P	PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	07/31/12	16587	W14166A2	42	P	PEICP2A
7440-48-4	Cobalt	20	ND	1	50	50	07/31/12	16587	W14166A2	42	P	PEICP2A
7440-50-8	Copper	50	ND	1	50	50	07/31/12	16587	W14166A2	42	P	PEICP2A
7439-89-6	Iron	280	ND	1	50	50	07/31/12	16587	W14166A2	42	P	PEICP2A
7439-92-1	Lead	4.0	ND	1	50	50	07/31/12	16587	W14166A2	42	P	PEICP2A
7439-95-4	Magnesium	2000	46000	1	50	50	07/31/12	16587	W14166A2	42	P	PEICP2A
7439-96-5	Manganese	40	850	1	50	50	07/31/12	16587	W14166A2	42	P	PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	07/31/12	16587	H14166SW	30	CV	HGCV1A
7440-02-0	Nickel	50	ND	1	50	50	07/31/12	16587	W14166A2	42	P	PEICP2A
7440-09-7	Potassium	5000	12000	1	50	50	08/01/12	16587	W14166B2	36	P	PEICPRAD2A
7782-49-2	Selenium	40	ND	1	50	50	07/31/12	16587	W14166A2	42	P	PEICP2A
7440-22-4	Silver	20	ND	1	50	50	07/31/12	16587	W14166A2	42	P	PEICP2A
7440-23-5	Sodium	5000	130000	1	50	50	08/01/12	16587	W14166B2	36	P	PEICPRAD2A
7440-28-0	Thallium	10	ND	1	50	50	07/31/12	16587	W14166A2	42	P	PEICP2A
7440-62-2	Vanadium	50	ND	1	50	50	07/31/12	16587	W14166A2	42	P	PEICP2A
7440-66-6	Zinc	50	ND	1	50	50	07/31/12	16587	W14166A2	42	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC67271-009	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	MW-4 U	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	AQUEOUS	Date Rec:	7/25/2012	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	180	9500	1	50	50	07/31/12	16587	W14166A2	43	P	PEICP2A
7440-36-0	Antimony	12	ND	1	50	50	07/31/12	16587	W14166A2	43	P	PEICP2A
7440-38-2	Arsenic	7.5	ND	1	50	50	07/31/12	16587	W14166A2	43	P	PEICP2A
7440-39-3	Barium	50	250	1	50	50	07/31/12	16587	W14166A2	43	P	PEICP2A
7440-41-7	Beryllium	4.0	ND	1	50	50	07/31/12	16587	W14166A2	43	P	PEICP2A
7440-43-9	Cadmium	3.5	ND	1	50	50	07/31/12	16587	W14166A2	43	P	PEICP2A
7440-70-2	Calcium	2000	27000	1	50	50	07/31/12	16587	W14166A2	43	P	PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	07/31/12	16587	W14166A2	43	P	PEICP2A
7440-48-4	Cobalt	20	ND	1	50	50	07/31/12	16587	W14166A2	43	P	PEICP2A
7440-50-8	Copper	50	ND	1	50	50	07/31/12	16587	W14166A2	43	P	PEICP2A
7439-89-6	Iron	280	20000	1	50	50	07/31/12	16587	W14166A2	43	P	PEICP2A
7439-92-1	Lead	4.0	19	1	50	50	07/31/12	16587	W14166A2	43	P	PEICP2A
7439-95-4	Magnesium	2000	19000	1	50	50	07/31/12	16587	W14166A2	43	P	PEICP2A
7439-96-5	Manganese	40	930	1	50	50	07/31/12	16587	W14166A2	43	P	PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	07/31/12	16587	H14166SW	31	CV	HGCV1A
7440-02-0	Nickel	50	ND	1	50	50	07/31/12	16587	W14166A2	43	P	PEICP2A
7440-09-7	Potassium	5000	9000	1	50	50	08/01/12	16587	W14166B2	37	P	PEICPRAD2A
7782-49-2	Selenium	40	ND	1	50	50	07/31/12	16587	W14166A2	43	P	PEICP2A
7440-22-4	Silver	20	ND	1	50	50	07/31/12	16587	W14166A2	43	P	PEICP2A
7440-23-5	Sodium	5000	82000	1	50	50	08/01/12	16587	W14166B2	37	P	PEICPRAD2A
7440-28-0	Thallium	10	ND	1	50	50	07/31/12	16587	W14166A2	43	P	PEICP2A
7440-62-2	Vanadium	50	ND	1	50	50	07/31/12	16587	W14166A2	43	P	PEICP2A
7440-66-6	Zinc	50	50	1	50	50	07/31/12	16587	W14166A2	43	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC67271-010	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	MW-4 F	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	AQUEOUS	Date Rec:	7/25/2012	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	180	ND	1	50	50	07/31/12	16587	W14166A2	44	P	PEICP2A
7440-36-0	Antimony	12	ND	1	50	50	07/31/12	16587	W14166A2	44	P	PEICP2A
7440-38-2	Arsenic	7.5	ND	1	50	50	07/31/12	16587	W14166A2	44	P	PEICP2A
7440-39-3	Barium	50	ND	1	50	50	07/31/12	16587	W14166A2	44	P	PEICP2A
7440-41-7	Beryllium	4.0	ND	1	50	50	07/31/12	16587	W14166A2	44	P	PEICP2A
7440-43-9	Cadmium	3.5	ND	1	50	50	07/31/12	16587	W14166A2	44	P	PEICP2A
7440-70-2	Calcium	2000	23000	1	50	50	07/31/12	16587	W14166A2	44	P	PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	07/31/12	16587	W14166A2	44	P	PEICP2A
7440-48-4	Cobalt	20	ND	1	50	50	07/31/12	16587	W14166A2	44	P	PEICP2A
7440-50-8	Copper	50	ND	1	50	50	07/31/12	16587	W14166A2	44	P	PEICP2A
7439-89-6	Iron	280	2600	1	50	50	07/31/12	16587	W14166A2	44	P	PEICP2A
7439-92-1	Lead	4.0	ND	1	50	50	07/31/12	16587	W14166A2	44	P	PEICP2A
7439-95-4	Magnesium	2000	15000	1	50	50	07/31/12	16587	W14166A2	44	P	PEICP2A
7439-96-5	Manganese	40	740	1	50	50	07/31/12	16587	W14166A2	44	P	PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	07/31/12	16587	H14166SW	32	CV	HGCV1A
7440-02-0	Nickel	50	ND	1	50	50	07/31/12	16587	W14166A2	44	P	PEICP2A
7440-09-7	Potassium	5000	5900	1	50	50	08/01/12	16587	W14166B2	38	P	PEICPRAD2A
7782-49-2	Selenium	40	ND	1	50	50	07/31/12	16587	W14166A2	44	P	PEICP2A
7440-22-4	Silver	20	ND	1	50	50	07/31/12	16587	W14166A2	44	P	PEICP2A
7440-23-5	Sodium	5000	75000	1	50	50	08/01/12	16587	W14166B2	38	P	PEICPRAD2A
7440-28-0	Thallium	10	ND	1	50	50	07/31/12	16587	W14166A2	44	P	PEICP2A
7440-62-2	Vanadium	50	ND	1	50	50	07/31/12	16587	W14166A2	44	P	PEICP2A
7440-66-6	Zinc	50	ND	1	50	50	07/31/12	16587	W14166A2	44	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC67271-012	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	FIELD BLANK U	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	AQUEOUS	Date Rec:	7/25/2012	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	180	ND	1	50	50	07/31/12	16587	W14166A2	45	P	PEICP2A
7440-36-0	Antimony	12	ND	1	50	50	07/31/12	16587	W14166A2	45	P	PEICP2A
7440-38-2	Arsenic	7.5	ND	1	50	50	07/31/12	16587	W14166A2	45	P	PEICP2A
7440-39-3	Barium	50	ND	1	50	50	07/31/12	16587	W14166A2	45	P	PEICP2A
7440-41-7	Beryllium	4.0	ND	1	50	50	07/31/12	16587	W14166A2	45	P	PEICP2A
7440-43-9	Cadmium	3.5	ND	1	50	50	07/31/12	16587	W14166A2	45	P	PEICP2A
7440-70-2	Calcium	2000	ND	1	50	50	07/31/12	16587	W14166A2	45	P	PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	07/31/12	16587	W14166A2	45	P	PEICP2A
7440-48-4	Cobalt	20	ND	1	50	50	07/31/12	16587	W14166A2	45	P	PEICP2A
7440-50-8	Copper	50	ND	1	50	50	07/31/12	16587	W14166A2	45	P	PEICP2A
7439-89-6	Iron	280	ND	1	50	50	07/31/12	16587	W14166A2	45	P	PEICP2A
7439-92-1	Lead	4.0	ND	1	50	50	07/31/12	16587	W14166A2	45	P	PEICP2A
7439-95-4	Magnesium	2000	ND	1	50	50	07/31/12	16587	W14166A2	45	P	PEICP2A
7439-96-5	Manganese	40	ND	1	50	50	07/31/12	16587	W14166A2	45	P	PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	07/31/12	16587	H14166SW	35	CV	HGCV1A
7440-02-0	Nickel	50	ND	1	50	50	07/31/12	16587	W14166A2	45	P	PEICP2A
7440-09-7	Potassium	5000	ND	1	50	50	08/01/12	16587	W14166B2	39	P	PEICPRAD2A
7782-49-2	Selenium	40	ND	1	50	50	07/31/12	16587	W14166A2	45	P	PEICP2A
7440-22-4	Silver	20	ND	1	50	50	07/31/12	16587	W14166A2	45	P	PEICP2A
7440-23-5	Sodium	5000	ND	1	50	50	08/01/12	16587	W14166B2	39	P	PEICPRAD2A
7440-28-0	Thallium	10	ND	1	50	50	07/31/12	16587	W14166A2	45	P	PEICP2A
7440-62-2	Vanadium	50	ND	1	50	50	07/31/12	16587	W14166A2	45	P	PEICP2A
7440-66-6	Zinc	50	ND	1	50	50	07/31/12	16587	W14166A2	45	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC67271-013	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	FIELD BLANK F	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	AQUEOUS	Date Rec:	7/25/2012	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	180	ND	1	50	50	07/31/12	16587	W14166A2	46	P	PEICP2A
7440-36-0	Antimony	12	ND	1	50	50	07/31/12	16587	W14166A2	46	P	PEICP2A
7440-38-2	Arsenic	7.5	ND	1	50	50	07/31/12	16587	W14166A2	46	P	PEICP2A
7440-39-3	Barium	50	ND	1	50	50	07/31/12	16587	W14166A2	46	P	PEICP2A
7440-41-7	Beryllium	4.0	ND	1	50	50	07/31/12	16587	W14166A2	46	P	PEICP2A
7440-43-9	Cadmium	3.5	ND	1	50	50	07/31/12	16587	W14166A2	46	P	PEICP2A
7440-70-2	Calcium	2000	ND	1	50	50	07/31/12	16587	W14166A2	46	P	PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	07/31/12	16587	W14166A2	46	P	PEICP2A
7440-48-4	Cobalt	20	ND	1	50	50	07/31/12	16587	W14166A2	46	P	PEICP2A
7440-50-8	Copper	50	ND	1	50	50	07/31/12	16587	W14166A2	46	P	PEICP2A
7439-89-6	Iron	280	ND	1	50	50	07/31/12	16587	W14166A2	46	P	PEICP2A
7439-92-1	Lead	4.0	ND	1	50	50	07/31/12	16587	W14166A2	46	P	PEICP2A
7439-95-4	Magnesium	2000	ND	1	50	50	07/31/12	16587	W14166A2	46	P	PEICP2A
7439-96-5	Manganese	40	ND	1	50	50	07/31/12	16587	W14166A2	46	P	PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	07/31/12	16587	H14166SW	36	CV	HGCV1A
7440-02-0	Nickel	50	ND	1	50	50	07/31/12	16587	W14166A2	46	P	PEICP2A
7440-09-7	Potassium	5000	ND	1	50	50	08/01/12	16587	W14166B2	40	P	PEICPRAD2A
7782-49-2	Selenium	40	ND	1	50	50	07/31/12	16587	W14166A2	46	P	PEICP2A
7440-22-4	Silver	20	ND	1	50	50	07/31/12	16587	W14166A2	46	P	PEICP2A
7440-23-5	Sodium	5000	ND	1	50	50	08/01/12	16587	W14166B2	40	P	PEICPRAD2A
7440-28-0	Thallium	10	ND	1	50	50	07/31/12	16587	W14166A2	46	P	PEICP2A
7440-62-2	Vanadium	50	ND	1	50	50	07/31/12	16587	W14166A2	46	P	PEICP2A
7440-66-6	Zinc	50	ND	1	50	50	07/31/12	16587	W14166A2	46	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID: MB 16587 (1) % Solid: 0 Lab Name: Veritech
Client Id: MB 16587 (1) Units: UG/L Lab Code:
Matrix: AQUEOUS
Level: LOW

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	180	ND	1	50	50	07/31/12	16587	SW14166A2	18	P	PEICP2A
7440-36-0	Antimony	12	ND	1	50	50	07/31/12	16587	SW14166A2	18	P	PEICP2A
7440-38-2	Arsenic	7.5	ND	1	50	50	07/31/12	16587	SW14166A2	18	P	PEICP2A
7440-39-3	Barium	50	ND	1	50	50	07/31/12	16587	SW14166A2	18	P	PEICP2A
7440-41-7	Beryllium	4.0	ND	1	50	50	07/31/12	16587	SW14166A2	18	P	PEICP2A
7440-43-9	Cadmium	3.5	ND	1	50	50	07/31/12	16587	SW14166A2	18	P	PEICP2A
7440-70-2	Calcium	2000	ND	1	50	50	07/31/12	16587	SW14166A2	18	P	PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	07/31/12	16587	SW14166A2	18	P	PEICP2A
7440-48-4	Cobalt	20	ND	1	50	50	07/31/12	16587	SW14166A2	18	P	PEICP2A
7440-50-8	Copper	50	ND	1	50	50	07/31/12	16587	SW14166A2	18	P	PEICP2A
7439-89-6	Iron	280	ND	1	50	50	07/31/12	16587	SW14166A2	18	P	PEICP2A
7439-92-1	Lead	4.0	ND	1	50	50	07/31/12	16587	SW14166A2	18	P	PEICP2A
7439-95-4	Magnesium	2000	ND	1	50	50	07/31/12	16587	SW14166A2	18	P	PEICP2A
7439-96-5	Manganese	40	ND	1	50	50	07/31/12	16587	SW14166A2	18	P	PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	07/31/12	16587	H14166SW	11	CV	HGCV1A
7439-98-7	Molybdenum	20	ND	1	50	50	07/31/12	16587	SW14166A2	18	P	PEICP2A
7440-02-0	Nickel	50	ND	1	50	50	07/31/12	16587	SW14166A2	18	P	PEICP2A
7440-09-7	Potassium	5000	ND	1	50	50	08/01/12	16587	SW14166B2	12	P	PEICPRAD2A
7782-49-2	Selenium	40	ND	1	50	50	07/31/12	16587	SW14166A2	18	P	PEICP2A
7440-22-4	Silver	20	ND	1	50	50	07/31/12	16587	SW14166A2	18	P	PEICP2A
7440-23-5	Sodium	5000	ND	1	50	50	08/01/12	16587	SW14166B2	12	P	PEICPRAD2A
7440-28-0	Thallium	10	ND	1	50	50	07/31/12	16587	SW14166A2	18	P	PEICP2A
7440-31-5	Tin	50	ND	1	50	50	07/31/12	16587	SW14166A2	18	P	PEICP2A
7440-32-6	Titanium	50	ND	1	50	50	07/31/12	16587	SW14166A2	18	P	PEICP2A
7440-62-2	Vanadium	50	ND	1	50	50	07/31/12	16587	SW14166A2	18	P	PEICP2A
7440-66-6	Zinc	50	ND	1	50	50	07/31/12	16587	SW14166A2	18	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

FORM 2
(ICV/CCV Summary)

Date Analyzed: 07/31/12
Data File: SW14166A2
Prep Batch: 16587
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2072508

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

Analyte	ICV/CCV Amt	ICV V-142322 (2)-7	Rec	CCV V-143098-11	Rec	CCV V-143098-16	Rec	CCV V-143098-27	Rec	CCV V-143098-38	Rec	CCV V-143098-49	Rec	CCV V-143098-58	Rec		Rec
Aluminum	10/5	10.34490	103	4.90982	98	4.81020	96	4.87588	98	4.88379	98	4.88338	98	4.87795	98		
Antimony	1/.5	1.00835	101	0.49832	100	0.49538	99	0.49910	100	0.49963	100	0.49719	99	0.49369	99		
Arsenic	1/.5	1.01411	101	0.50220	100	0.49561	99	0.49831	100	0.50018	100	0.49748	99	0.49587	99		
Barium	1/.5	1.03002	103	0.50486	101	0.50223	100	0.50916	102	0.51066	102	0.51090	102	0.51017	102		
Beryllium	1/.5	1.00708	101	0.49644	99	0.49458	99	0.49946	100	0.49849	100	0.50005	100	0.49941	100		
Cadmium	1/.5	1.02092	102	0.49683	99	0.49572	99	0.50302	101	0.50288	101	0.50212	100	0.50029	100		
Calcium	100/50	97.81890	98	48.01600	96	47.78860	96	48.34320	97	48.22620	96	48.35300	97	48.27470	97		
Chromium	1/.5	1.02390	102	0.50478	101	0.50261	101	0.51013	102	0.51025	102	0.50954	102	0.51013	102		
Cobalt	1/.5	1.03067	103	0.50939	102	0.50431	101	0.51204	102	0.51357	103	0.51354	103	0.51386	103		
Copper	1/.5	1.02518	103	0.49928	100	0.49725	99	0.50417	101	0.50398	101	0.50481	101	0.50450	101		
Iron	10/5	10.23150	102	5.05062	101	5.00730	100	5.07040	101	5.08023	102	5.06885	101	5.05962	101		
Lead	1/.5	1.01996	102	0.51346	103	0.50759	102	0.51000	102	0.50954	102	0.51263	103	0.51146	102		
Magnesium	100/50	101.71100	102	50.33600	101	50.07270	100	50.58600	101	50.53360	101	50.65510	101	50.57120	101		
Manganese	1/.5	1.01828	102	0.50150	100	0.50059	100	0.50930	102	0.50819	102	0.50667	101	0.50501	101		
Molybdenum	1/.5	1.00526	101	0.50221	100	0.49747	99	0.50098	100	0.49792	100	0.49978	100	0.49706	99		
Nickel	1/.5	1.01519	102	0.50598	101	0.50292	101	0.51087	102	0.51090	102	0.51132	102	0.50968	102		
Selenium	1/.5	1.02415	102	0.50860	102	0.49573	99	0.50650	101	0.49798	100	0.50069	100	0.50151	100		
Silver	0.2/0.1	0.20121	101	0.09921	99	0.09931	99	0.10034	100	0.10054	101	0.09985	100	0.09910	99		
Thallium	1/.5	1.04737	105	0.51790	104	0.50893	102	0.51160	102	0.51222	102	0.51776	104	0.51657	103		
Vanadium	1/.5	1.01702	102	0.50170	100	0.49875	100	0.50699	101	0.50702	101	0.50625	101	0.50480	101		
Zinc	1/.5	1.02684	103	0.49894	100	0.49533	99	0.50376	101	0.50414	101	0.50101	100	0.50076	100		

Notes:
a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits:
ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-11

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 2
(ICV/CCV Summary)

Date Analyzed: 08/01/12
Data File: SW14166B2
Prep Batch: 16587
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICPRAD2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2072508

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

Analyte	ICV/CCV Amt	ICV V-142322 (2)-6	Rec	CCV V-143098-10	Rec	CCV V-143098-21	Rec	CCV V-143098-32	Rec	CCV V-143098-43	Rec		Rec		Rec		Rec
Potassium	100/50	101.55500	102	49.92590	100	51.17860	102	50.71230	101	50.28340	101						
Sodium	100/50	102.33100	102	50.59470	101	51.70180	103	51.20050	102	50.71270	101						

Notes:
a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits:
ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-11

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 2
(ICV/CCV Summary)

Date Analyzed: 07/31/12
Data File: H14166SW
Prep Batch: 16587
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: HGCV1A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2072508

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

		ICV (2)-9		CCV-21		CCV-33		CCV-37									
Analyte	ICV/CCV Amt		Rec		Rec		Rec		Rec		Rec		Rec		Rec		Rec
Mercury	20/10	19.56833	98	10.02177	100	9.57554	96	9.55999	96								

Notes:
a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits:
ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-11

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 07/31/12
Data File: SW14166A2
Prep Batch: 16587
Reporting Limits Used: AQUEOUS,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2072508

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-143551-8	CCB-12	CCB-17	CCB-28	CCB-39	CCB-50	CCB-59	MB 16587 (1)-18
Aluminum	.18 U	.18 U	.18 U	.18 U	.18 U	.18 U	.18 U	.18 U
Antimony	.012 U	.012 U	.012 U	.012 U	.012 U	.012 U	.012 U	.012 U
Arsenic	.0075 U	.0075 U	.0075 U	.0075 U	.0075 U	.0075 U	.0075 U	.0075 U
Barium	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U
Beryllium	.004 U	.004 U	.004 U	.004 U	.004 U	.004 U	.004 U	.004 U
Cadmium	.0035 U	.0035 U	.0035 U	.0035 U	.0035 U	.0035 U	.0035 U	.0035 U
Calcium	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Chromium	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U
Cobalt	.02 U	.02 U	.02 U	.02 U	.02 U	.02 U	.02 U	.02 U
Copper	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U
Iron	.275 U	.275 U	.275 U	.275 U	.275 U	.275 U	.275 U	.28 U
Lead	.004 U	.004 U	.004 U	.004 U	.004 U	.004 U	.004 U	.004 U
Magnesium	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Manganese	.04 U	.04 U	.04 U	.04 U	.04 U	.04 U	.04 U	.04 U
Molybdenum	.02 U	.02 U	.02 U	.02 U	.02 U	.02 U	.02 U	.02 U
Nickel	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U
Selenium	.04 U	.04 U	.04 U	.04 U	.04 U	.04 U	.04 U	.04 U
Silver	.02 U	.02 U	.02 U	.02 U	.02 U	.02 U	.02 U	.02 U
Thallium	.01 U	.01 U	.01 U	.01 U	.01 U	.01 U	.01 U	.01 U
Vanadium	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U
Zinc	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 08/01/12
Data File: SW14166B2
Prep Batch: 16587
Reporting Limits Used: AQUEOUS,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICPRAD2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2072508

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-143551-7	CCB-11	CCB-22	CCB-33	CCB-44	MB 16587 (1)-12		
Potassium	5 U	5 U	5 U	5 U	5 U	5 U		
Sodium	5 U	5 U	5 U	5 U	5 U	5 U		

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 07/31/12
Data File: H14166SW
Prep Batch: 16587
Reporting Limits Used: AQUEOUS,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: HGCV1A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2072508

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB-10	CCB-22	CCB-34	CCB-38	MB 16587 (1)-11			
Mercury	.7 U	.7 U	.7 U	.7 U	.7 U			

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 4
(ICSA/ICSAB Summary)

Date Analyzed: 07/31/12
Data File: SW14166A2
Prep Batch: 16587
Reporting Limits Used: AQUEOUS,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2072508

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICSA/ICSAB: SOURCE: VHG LABS

Analyte	Spk Amt	ICSA V-142319-9	Rec	ICSAB V-142911-10	Rec	ICSA V-142319-36	Rec	ICSAB V-142911-37	Rec	ICSA V-142319-47	Rec	ICSAB V-142911-48	Rec	ICSA V-142319-56	Rec	ICSAB V-142911-57	Rec
Aluminum	500	496.816	99	483.89600	97	489.84	98	490.28400	98	496.598	99	489.54400	98	498.066	100	487.54300	98
Antimony	1	U		0.98673	99	U		0.99385	99	U		0.98588	99	U		0.99218	99
Arsenic	1	U		0.99455	99	U		1.00313	100	U		1.00721	101	U		1.00588	101
Barium	.5	U		0.50474	101	U		0.51044	102	U		0.51510	103	U		0.51346	103
Beryllium	.5	U		0.48977	98	U		0.49102	98	U		0.49358	99	U		0.49431	99
Cadmium	1	U		0.99701	100	U		1.00703	101	U		1.01488	101	U		1.00893	101
Calcium	500	456.885	91	445.78700	89	451.781	90	452.24200	90	457.474	91	451.02900	90	457.695	92	449.06300	90
Chromium	.5	U		0.48216	96	U		0.48779	98	U		0.49136	98	U		0.48870	98
Cobalt	.5	U		0.47200	94	U		0.47328	95	U		0.47906	96	U		0.47850	96
Copper	.5	U		0.51447	103	U		0.51803	104	U		0.52281	105	U		0.51956	104
Iron	200	188.166	94	184.85600	92	187.083	94	185.59000	93	187.428	94	186.40600	93	189.845	95	186.46200	93
Lead	1	U		0.95506	96	.0067234b		0.95687	96	U		0.96669	97	.0048401b		0.96178	96
Magnesium	500	504.508	101	494.59500	99	501.415	100	496.26000	99	502.586	101	499.22100	100	509.411	102	499.65600	100
Manganese	.5	U		0.47722	95	U		0.48397	97	U		0.48639	97	U		0.48315	97
Nickel	1	U		0.91501	92	U		0.92306	92	U		0.93093	93	U		0.92421	92
Selenium	1	U		0.96303	96	U		0.96124	96	U		0.97417	97	U		0.97146	97
Silver	1	U		1.02726	103	U		1.03858	104	U		1.04402	104	U		1.03287	103
Thallium	1	U		0.94998	95	U		0.94777	95	U		0.95564	96	U		0.94955	95
Vanadium	.5	U		0.48271	97	U		0.48744	97	U		0.49195	98	U		0.48876	98
Zinc	1	U		0.93502	94	U		0.94232	94	U		0.95003	95	U		0.94198	94

Notes: a-indicates absolute value of the concentration > 2 * Reporting Limits In the ICSA
b-indicates absolute value of the concentration above Reporting Limits but < 2 * Reporting Limits in the ICSA
c-indicates the recovery failed the Qc Criteria in the ICSAB
u-indicates the absolute value of the concentration was below the reporting limit

FORM 4
(ICSA/ICSAB Summary)

Date Analyzed: 08/01/12
Data File: SW14166B2
Prep Batch: 16587
Reporting Limits Used: AQUEOUS,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICPRAD2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 2072508

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICSA/ICSAB: SOURCE: VHG LABS

Analyte	Spk Amt	ICSA V-142319-8	Rec	ICSAB V-142911-9	Rec	ICSA V-142319-30	Rec	ICSAB V-142911-31	Rec	ICSA V-142319-41	Rec	ICSAB V-142911-42	Rec		Rec		Rec
Aluminum	500	485.066	97	480.01400	96	485.907	97	477.26900	95	481.631	96	480.37500	96				
Calcium	500	466.254	93	462.52100	93	466.87	93	458.25300	92	461.129	92	460.68200	92				
Iron	200	189.613	95	188.82500	94	190.958	95	189.31200	95	189.024	95	189.06600	95				
Magnesium	500	497.384	99	494.06300	99	497.76	100	488.67400	98	490.078	98	490.36300	98				

Notes: a-indicates absolute value of the concentration > 2 * Reporting Limits In the ICSA
b-indicates absolute value of the concentration above Reporting Limits but < 2 * Reporting Limits in the ICSA
c-indicates the recovery failed the Qc Criteria in the ICSAB
u-indicates the absolute value of the concentration was below the reporting limit

FORM5/FORM7

SPIKE RECOVERY DATA

PREP BATCH: 16587

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCS Matrix: AQUEOUS SampleID: LCSW 16587

Analyte	BatchId	DF	Data Fil	Seq#:	Spk Conc:	Spk Adde	Recov	Qual	Lo Lim	Hi Lim
Aluminum	16587	1	SW14166	19	4.7618	5.00	95		75	125
Antimony	16587	1	SW14166	19	0.4813	0.500	96		75	125
Arsenic	16587	1	SW14166	19	0.4801	0.500	96		75	125
Barium	16587	1	SW14166	19	0.4930	0.500	99		75	125
Beryllium	16587	1	SW14166	19	0.4823	0.500	96		75	125
Cadmium	16587	1	SW14166	19	0.4838	0.500	97		75	125
Calcium	16587	1	SW14166	19	47.3584	50.00	95		75	125
Chromium	16587	1	SW14166	19	0.4931	0.500	99		75	125
Cobalt	16587	1	SW14166	19	0.4971	0.500	99		75	125
Copper	16587	1	SW14166	19	0.4994	0.500	100		75	125
Iron	16587	1	SW14166	19	4.9119	5.00	98		75	125
Lead	16587	1	SW14166	19	0.4942	0.500	99		75	125
Magnesium	16587	1	SW14166	19	49.0396	50.00	98		75	125
Manganese	16587	1	SW14166	19	0.4927	0.500	99		75	125
Mercury	16587	1	H14166S	12	10.0932	10	101		75	125
Nickel	16587	1	SW14166	19	0.4918	0.500	98		75	125
Potassium	16587	1	SW14166	13	48.1384	50	96		75	125
Selenium	16587	1	SW14166	19	0.4822	0.500	96		75	125
Silver	16587	1	SW14166	19	0.0948	0.100	95		75	125
Sodium	16587	1	SW14166	13	48.5158	50	97		75	125
Thallium	16587	1	SW14166	19	0.4956	0.500	99		75	125
Vanadium	16587	1	SW14166	19	0.4896	0.500	98		75	125
Zinc	16587	1	SW14166	19	0.4930	0.500	99		75	125

TxtQcType: LCSMR Matrix: AQUEOUS SampleID: LCSW MR 16587

Analyte	BatchId	DF	Data Fil	Seq#:	Spk Conc:	Spk Adde	Recov	Qual	Lo Lim	Hi Lim
Aluminum	16587	1	SW14166	20	4.6931	5.00	94		75	125
Antimony	16587	1	SW14166	20	0.4748	0.500	95		75	125
Arsenic	16587	1	SW14166	20	0.4693	0.500	94		75	125
Barium	16587	1	SW14166	20	0.4852	0.500	97		75	125
Beryllium	16587	1	SW14166	20	0.4714	0.500	94		75	125
Cadmium	16587	1	SW14166	20	0.4760	0.500	95		75	125
Calcium	16587	1	SW14166	20	46.2615	50.00	93		75	125
Chromium	16587	1	SW14166	20	0.4845	0.500	97		75	125
Cobalt	16587	1	SW14166	20	0.4878	0.500	98		75	125
Copper	16587	1	SW14166	20	0.4807	0.500	96		75	125
Iron	16587	1	SW14166	20	4.8145	5.00	96		75	125
Lead	16587	1	SW14166	20	0.4865	0.500	97		75	125
Magnesium	16587	1	SW14166	20	47.8760	50.00	96		75	125
Manganese	16587	1	SW14166	20	0.4852	0.500	97		75	125
Mercury	16587	1	H14166S	13	10.3112	10	103		75	125
Nickel	16587	1	SW14166	20	0.4836	0.500	97		75	125
Potassium	16587	1	SW14166	14	48.0345	50	96		75	125
Selenium	16587	1	SW14166	20	0.4730	0.500	95		75	125
Silver	16587	1	SW14166	20	0.0935	0.100	93		75	125
Sodium	16587	1	SW14166	14	48.4031	50	97		75	125
Thallium	16587	1	SW14166	20	0.4912	0.500	98		75	125
Vanadium	16587	1	SW14166	20	0.4808	0.500	96		75	125
Zinc	16587	1	SW14166	20	0.4844	0.500	97		75	125

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

FORM5/FORM7

2072508 0322

SPIKE RECOVERY DATA

PREP BATCH: 16587

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: MS Matrix: AQUEOUS SampleID: AC67363-001

Analyte	BatchId	DF	Data Fil	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Adde	Recov	Qual	Lo Lim	Hi Lim
Aluminum	16587	1	SW14166	23	SW14166	21	5.1795	.18U	5.0	104		75	125
Antimony	16587	1	SW14166	23	SW14166	21	0.4914	0.012U	.5	98		75	125
Arsenic	16587	1	SW14166	23	SW14166	21	0.4976	0.0075U	.5	100		75	125
Barium	16587	1	SW14166	23	SW14166	21	0.5191	.05U	.5	104		75	125
Beryllium	16587	1	SW14166	23	SW14166	21	0.4629	0.004U	.5	93		75	125
Cadmium	16587	1	SW14166	23	SW14166	21	0.4981	.0035U	.5	100		75	125
Calcium	16587	1	SW14166	23	SW14166	21	768.8470	730.8910	50.0	76		75	125
Chromium	16587	1	SW14166	23	SW14166	21	0.4684	0.05U	.5	94		75	125
Cobalt	16587	1	SW14166	23	SW14166	21	0.4749	.02U	.5	95		75	125
Copper	16587	1	SW14166	23	SW14166	21	0.4950	0.05U	.5	99		75	125
Iron	16587	1	SW14166	23	SW14166	21	4.6102	0.275U	5.0	92		75	125
Lead	16587	1	SW14166	23	SW14166	21	0.4649	0.004U	.5	93		75	125
Magnesium	16587	1	SW14166	23	SW14166	21	226.3030	178.9960	50	95		75	125
Manganese	16587	1	SW14166	23	SW14166	21	26.7246	26.3693	.5	71	b	75	125
Mercury	16587	1	H14166S	16	H14166S	14	9.0045	.70U	10	90		75	125
Nickel	16587	1	SW14166	23	SW14166	21	0.4737	0.05U	.5	95		75	125
Potassium	16587	1	SW14166	17	SW14166	15	53.2817	5U	50.00	107		75	125
Selenium	16587	1	SW14166	23	SW14166	21	0.4874	0.040U	.5	97		75	125
Silver	16587	1	SW14166	23	SW14166	21	0.1044	0.02U	.1	104		75	125
Sodium	16587	1	SW14166	17	SW14166	15	807.7340	753.8700	50.00	108		75	125
Thallium	16587	1	SW14166	23	SW14166	21	0.4679	0.010U	.5	94		75	125
Vanadium	16587	1	SW14166	23	SW14166	21	0.4877	.05U	.5	98		75	125
Zinc	16587	1	SW14166	23	SW14166	21	0.4710	0.05U	.5	94		75	125

TxtQcType: MSD Matrix: AQUEOUS SampleID: AC67363-001

Analyte	BatchId	DF	Data Fil	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Adde	Recov	Qual	Lo Lim	Hi Lim
Aluminum	16587	1	SW14166	24	SW14166	21	5.1395	.18U	5.0	103		75	125
Antimony	16587	1	SW14166	24	SW14166	21	0.4877	0.012U	.5	98		75	125
Arsenic	16587	1	SW14166	24	SW14166	21	0.4922	0.0075U	.5	98		75	125
Barium	16587	1	SW14166	24	SW14166	21	0.5130	.05U	.5	103		75	125
Beryllium	16587	1	SW14166	24	SW14166	21	0.4584	0.004U	.5	92		75	125
Cadmium	16587	1	SW14166	24	SW14166	21	0.4902	.0035U	.5	98		75	125
Calcium	16587	1	SW14166	24	SW14166	21	752.9500	730.8910	50.0	44	b	75	125
Chromium	16587	1	SW14166	24	SW14166	21	0.4636	0.05U	.5	93		75	125
Cobalt	16587	1	SW14166	24	SW14166	21	0.4673	.02U	.5	93		75	125
Copper	16587	1	SW14166	24	SW14166	21	0.4903	0.05U	.5	98		75	125
Iron	16587	1	SW14166	24	SW14166	21	4.5601	0.275U	5.0	91		75	125
Lead	16587	1	SW14166	24	SW14166	21	0.4582	0.004U	.5	92		75	125
Magnesium	16587	1	SW14166	24	SW14166	21	222.0780	178.9960	50	86		75	125
Manganese	16587	1	SW14166	24	SW14166	21	26.1687	26.3693	.5	-40	b	75	125
Mercury	16587	1	H14166S	17	H14166S	14	9.3090	.70U	10	93		75	125
Nickel	16587	1	SW14166	24	SW14166	21	0.4663	0.05U	.5	93		75	125
Potassium	16587	1	SW14166	18	SW14166	15	54.0000	5U	50.0	108		75	125
Selenium	16587	1	SW14166	24	SW14166	21	0.4749	0.040U	.5	95		75	125
Silver	16587	1	SW14166	24	SW14166	21	0.1035	0.02U	.1	104		75	125
Sodium	16587	1	SW14166	18	SW14166	15	812.0770	753.8700	50	116		75	125
Thallium	16587	1	SW14166	24	SW14166	21	0.4644	0.010U	.5	93		75	125
Vanadium	16587	1	SW14166	24	SW14166	21	0.4820	.05U	.5	96		75	125
Zinc	16587	1	SW14166	24	SW14166	21	0.4634	0.05U	.5	93		75	125

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

FORM6/FORM9

RPD/%Difference Data

PREP BATCH: 16587

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR Matrix: AQUEOUS SampleID: LCSW MR 16587

Analyte	BatchId	Data Fil	Seq#:	NS File	Seq#	Result 1	Result 2	RPD	Limit
Aluminum	16587	SW14166	20	SW14166	19	4.6931	4.7618	1.5	20
Antimony	16587	SW14166	20	SW14166	19	0.4748	0.4813	1.4	20
Arsenic	16587	SW14166	20	SW14166	19	0.4693	0.4801	2.3	20
Barium	16587	SW14166	20	SW14166	19	0.4852	0.4930	1.6	20
Beryllium	16587	SW14166	20	SW14166	19	0.4714	0.4823	2.3	20
Cadmium	16587	SW14166	20	SW14166	19	0.4760	0.4838	1.6	20
Calcium	16587	SW14166	20	SW14166	19	46.2615	47.3584	2.3	20
Chromium	16587	SW14166	20	SW14166	19	0.4845	0.4931	1.8	20
Cobalt	16587	SW14166	20	SW14166	19	0.4878	0.4971	1.9	20
Copper	16587	SW14166	20	SW14166	19	0.4807	0.4994	3.8	20
Iron	16587	SW14166	20	SW14166	19	4.8145	4.9119	2	20
Lead	16587	SW14166	20	SW14166	19	0.4865	0.4942	1.6	20
Magnesium	16587	SW14166	20	SW14166	19	47.8760	49.0396	2.4	20
Manganese	16587	SW14166	20	SW14166	19	0.4852	0.4927	1.5	20
Mercury	16587	H14166S	13	H14166S	12	10.3112	10.0932	2.1	20
Nickel	16587	SW14166	20	SW14166	19	0.4836	0.4918	1.7	20
Potassium	16587	SW14166	14	SW14166	13	48.0345	48.1384	.22	20
Selenium	16587	SW14166	20	SW14166	19	0.4730	0.4822	1.9	20
Silver	16587	SW14166	20	SW14166	19	0.0935	0.0948	1.4	20
Sodium	16587	SW14166	14	SW14166	13	48.4031	48.5158	.23	20
Thallium	16587	SW14166	20	SW14166	19	0.4912	0.4956	.89	20
Vanadium	16587	SW14166	20	SW14166	19	0.4808	0.4896	1.8	20
Zinc	16587	SW14166	20	SW14166	19	0.4844	0.4930	1.8	20

TxtQcType: MR Matrix: AQUEOUS SampleID: AC67363-001

Analyte	BatchId	Data Fil	Seq#:	NS File	Seq#	Result 1	Result 2	RPD	Limit
Aluminum	16587	SW14166	22	SW14166	21	.18U	.18U	---	20
Antimony	16587	SW14166	22	SW14166	21	0.012U	0.012U	---	20
Arsenic	16587	SW14166	22	SW14166	21	0.0075U	0.0075U	---	20
Barium	16587	SW14166	22	SW14166	21	.05U	.05U	---	20
Beryllium	16587	SW14166	22	SW14166	21	0.004U	0.004U	---	20
Cadmium	16587	SW14166	22	SW14166	21	.0035U	.0035U	---	20
Calcium	16587	SW14166	22	SW14166	21	731.2140	730.8910	0.044	20
Chromium	16587	SW14166	22	SW14166	21	0.05U	0.05U	---	20
Cobalt	16587	SW14166	22	SW14166	21	.02U	.02U	---	20
Copper	16587	SW14166	22	SW14166	21	0.05U	0.05U	---	20
Iron	16587	SW14166	22	SW14166	21	0.275U	0.275U	---	20
Lead	16587	SW14166	22	SW14166	21	0.004U	0.004U	---	20
Magnesium	16587	SW14166	22	SW14166	21	180.7390	178.9960	0.97	20
Manganese	16587	SW14166	22	SW14166	21	26.3751	26.3693	0.022	20
Mercury	16587	H14166S	15	H14166S	14	.70U	.70U	---	20
Nickel	16587	SW14166	22	SW14166	21	0.05U	0.05U	---	20
Potassium	16587	SW14166	16	SW14166	15	5U	5U	---	20
Selenium	16587	SW14166	22	SW14166	21	0.040U	0.040U	---	20
Silver	16587	SW14166	22	SW14166	21	0.02U	0.02U	---	20
Sodium	16587	SW14166	16	SW14166	15	776.1100	753.8700	2.9	20
Thallium	16587	SW14166	22	SW14166	21	0.010U	0.010U	---	20
Vanadium	16587	SW14166	22	SW14166	21	.05U	.05U	---	20
Zinc	16587	SW14166	22	SW14166	21	0.05U	0.05U	---	20

a-Indicates Rpd Failed the criteria

b-Method Rep Out but concentrations < 5*RL

c-Serial dilution Out but conc < 10 * IDL

FORM6/FORM9

RPD/%Difference Data

PREP BATCH: 16587

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: MSD Matrix: AQUEOUS SampleID: AC67363-001

Analyte	BatchId	Data Fil	Seq#:	MS File	Seq#	Result 1	Result 2	RPD	Limit
Aluminum	16587	SW14166	24	SW14166	23	5.1395	5.1795	.77	20
Antimony	16587	SW14166	24	SW14166	23	0.4877	0.4914	.76	20
Arsenic	16587	SW14166	24	SW14166	23	0.4922	0.4976	1.1	20
Barium	16587	SW14166	24	SW14166	23	0.5130	0.5191	1.2	20
Beryllium	16587	SW14166	24	SW14166	23	0.4584	0.4629	.96	20
Cadmium	16587	SW14166	24	SW14166	23	0.4902	0.4981	1.6	20
Calcium	16587	SW14166	24	SW14166	23	752.9500	768.8470	2.1	20
Chromium	16587	SW14166	24	SW14166	23	0.4636	0.4684	1	20
Cobalt	16587	SW14166	24	SW14166	23	0.4673	0.4749	1.6	20
Copper	16587	SW14166	24	SW14166	23	0.4903	0.4950	.96	20
Iron	16587	SW14166	24	SW14166	23	4.5601	4.6102	1.1	20
Lead	16587	SW14166	24	SW14166	23	0.4582	0.4649	1.4	20
Magnesium	16587	SW14166	24	SW14166	23	222.0780	226.3030	1.9	20
Manganese	16587	SW14166	24	SW14166	23	26.1687	26.7246	2.1	20
Mercury	16587	H14166S	17	H14166S	16	9.3090	9.0045	3.3	20
Nickel	16587	SW14166	24	SW14166	23	0.4663	0.4737	1.6	20
Potassium	16587	SW14166	18	SW14166	17	54.0000	53.2817	1.3	20
Selenium	16587	SW14166	24	SW14166	23	0.4749	0.4874	2.6	20
Silver	16587	SW14166	24	SW14166	23	0.1035	0.1044	.8	20
Sodium	16587	SW14166	18	SW14166	17	812.0770	807.7340	.54	20
Thallium	16587	SW14166	24	SW14166	23	0.4644	0.4679	.74	20
Vanadium	16587	SW14166	24	SW14166	23	0.4820	0.4877	1.2	20
Zinc	16587	SW14166	24	SW14166	23	0.4634	0.4710	1.6	20

TxtQcType: SD Matrix: AQUEOUS SampleID: AC67363-001

Analyte	BatchId	Data Fil	Seq#:	NS File	Seq#	DF	Result 1	Result 2	%Diff		Limit
Aluminum	16587	SW14166	26	SW14166	21	5	0.0214	0.1485	28	c	10
Antimony	16587	SW14166	26	SW14166	21	5	-0.0049	-0.0089	---		10
Arsenic	16587	SW14166	26	SW14166	21	5	0.0017	-0.0068	---		10
Barium	16587	SW14166	26	SW14166	21	5	0.0062	0.0362	14	c	10
Beryllium	16587	SW14166	26	SW14166	21	5	0.0001	-0.0004	---		10
Cadmium	16587	SW14166	26	SW14166	21	5	0.0002	0.0017	---		10
Calcium	16587	SW14166	26	SW14166	21	5	155.7570	730.8910	6.6		10
Chromium	16587	SW14166	26	SW14166	21	5	-0.0015	-0.0005	---		10
Cobalt	16587	SW14166	26	SW14166	21	5	-0.0005	0.0026	---		10
Copper	16587	SW14166	26	SW14166	21	5	0.0028	-0.0026	---		10
Iron	16587	SW14166	26	SW14166	21	5	-0.0756	-0.1693	---		10
Lead	16587	SW14166	26	SW14166	21	5	0.0018	-0.0001	---		10
Magnesium	16587	SW14166	26	SW14166	21	5	36.8604	178.9960	3		10
Manganese	16587	SW14166	26	SW14166	21	5	5.6785	26.3693	7.7		10
Nickel	16587	SW14166	26	SW14166	21	5	0.0009	0.0128	64	c	10
Potassium	16587	SW14166	20	SW14166	15	5	0.5892	2.1714	36	c	10
Selenium	16587	SW14166	26	SW14166	21	5	0.0046	-0.0078	---		10
Silver	16587	SW14166	26	SW14166	21	5	0.0032	0.0068	135	c	10
Sodium	16587	SW14166	20	SW14166	15	5	153.6110	753.8700	1.9		10
Thallium	16587	SW14166	26	SW14166	21	5	-0.0037	0.0018	---		10
Vanadium	16587	SW14166	26	SW14166	21	5	0.0109	0.0177	209	a	10
Zinc	16587	SW14166	26	SW14166	21	5	0.0078	0.0193	102	a	10

a-Indicates Rpd Failed the criteria

b-Method Rep Out but concentrations < 5*RL

c-Serial dilution Out but conc < 10 * IDL

Hampton-Clarke/Veritech

ICP SAMPLE PREPARATION LOG

ANALYTICAL METHOD: (3010A) 3005A 3050B (6020) 200.7/200.8 OTHER_____

Batch No.: 14166 Analyst: PH

QC Number: 16587 Prep Date: 7/31/12

Matrix: SW846 Reviewed By: JD

LAB ID#	ICP		ICP-MS (Secondary dil)		TCLP		COMMENTS
	Initial	Final	Aliquot	Final	Eff	TCLP	
Method blank	50ml	50ml	10ml	20ml		--	
LCS						--	
LCSD						--	
1. 67363-001							
MR 67363-001							
MS 67363-001							
MSD 67363-001							
2. 67363-002							
3. 67363-003							(PB)
4. 67232-001							
5. 67271-001							
6. 67271-002							FF
7. 67271-003							
8. 67271-004							PF
9. 67271-005							
10. 67271-006							FF
11. 67271-007							
12. 67271-008							PF
13. 67271-009							
14. 67271-010							FF
15. 67271-012							
16. 67271-013							FF
17. 67362-001							
18. 67362-003							
19. 67362-005							
20. 67362-007							

Hot Plate Temperature: 92.0° C (90-95° C)

	Volume mL	Lot #
LCS, LCSD	0.5ml	V- 6185, 6786
LLLCS, LLLCSD		V-
MS, MSD	0.5ml	V- 6185, 6786
LLMS, LLMSD		V-

Acid	Vol mL	Lot#
HNO_3	3ml	V- 7017
HCl		V-
H_2O_2		V-

Acid	Vol mL	Lot#
1:1 HNO_3		V-
1:1 HCl	5ml	V- 144206

Relinquished By [signature] Date 7/31/12

Received By [signature] Date 7/31/12

T:\QC\FORMS\LOGBOOK FORMS\METALS\ICP sample prep log 2012.DOC

HG SAMPLE PREPARATION LOG

Hampton-Clarke/Veritech
2072508 0326

ANALYTICAL METHOD: 245.1 (7470A) 7471A OTHER_____

Batch No.:* 14166
QC Number: 16587
Matrix: SW846

Analyst: PH
Prep Date: 7/31/12
Review By: [illegible]

LAB ID#	MERCURY INITIAL	MERCURY FINAL	COMMENTS
Method blank	25ml	25ml	
LCS			
LCSD			
1 67363-001			
MR 67363-001			
MS 67363-001			
MSD 67363-001			
2 67363-002			
3 67363-003			PB
4 67232-001			
5 67271-001			
6 67271-002			FF
7 67271-003			
8 67271-004			FF
9 67271-005			
10 67271-006			FF
11 67271-007			
12 67271-008			FF
13 67271-009			
14 67271-010			FF
15 67271-012			
16 67271-013			FR
17			
18			
19			
20			

Lot Numbers		Acid	Volume (mL)	Lot #
$KmnO_4$: V-	145377	HNO_3	0.625 ml	V- 7014
$K_2S_2O_8$: V-	~~145377~~ 140200	HCl		V-
NH_2OH: V-	145379	H_2SO_4	1.25 ml	V- 6959
		Aqua Regia		V-

**Block Temp.: 93.0 ° C
Time In Block: 1:30 PM
Time Out of Block: 3:30 PM
** Required range = 90-95°

Spike Volume & Lot #

☐ LCS V- 146820 0.15g (0.25 ml)

☐ MS V- 146820 0.250 ml

☐ Standards/Control Batch B- 13864

Relinquished By: P.H. Patel

*25 mLs of each standard was digested with this batch using the same reagents and at the same time as the above samples. The preparation of each standard may be referenced in Veriprog using the standard batch number and the corresponding V #s.

0159

HG prep log 2010.xls

Run Log

Data File: W:\METALS.FRM\ICPDATA\New\PEICP2A\SW14166A2.txt

Analysis Date: 07/31/12

Instrument: PEICP2A

Sample Id	DF	Qc Type	Time	Run #	Test Group	Rept Limit Matrix	Qc Matrix	Anal Method	Prep Batch	Comments:	Stds:
Calib Blk 1 V-143551	1	CAL	17:18	1							V-143551(ICB/CCB)
Calib 1 V-142314	1	CAL	17:21	2							V-142314(ICS1 Lowest std)
Calib 2 V-142913	1	CAL	17:25	3							V-142913(ICS2- Low Std)
Calib 3 V-142393	1	CAL	17:29	4							V-142393(ICS3 - Middle Std)
Calib 4 V-142916	1	CAL	17:33	5							V-142916(ICS4 - High std)
ICS3 V-142393	1	ICS	17:38	6							V-142393(ICS3 - Middle Std)
ICV V-142322 (2)	1	ICV	17:42	7							V-142322(ICV)
ICB V-143551	1	ICB	17:47	8							V-143551(ICB/CCB)
ICSA V-142319	1	ICSA	17:50	9							V-142319(ICSA)
ICSAB V-142911	1	ICSAB	17:56	10							V-142911(ICSAB)
CCV V-143098	1	CCV	18:01	11							V-143098(CCV)
CCB	1	CCB	18:05	12							0
MB 16587 (1)	1	NA	18:09	13		AQUEO	AQUEO	SW846	16587	wrong smp location	0
LCSW 16587	1	NA	18:13	14		AQUEO	AQUEO	SW846	16587	wrong smp location	0
LCSW MR 16587	1	NA	18:17	15		AQUEO	AQUEO	SW846	16587	wrong smp location	0
CCV V-143098	1	CCV	18:21	16							V-143098(CCV)
CCB	1	CCB	18:25	17							0
MB 16587 (1)	1	MB	18:28	18		AQUEO	AQUEO	SW846	16587		0
LCSW 16587	1	LCS	18:32	19		AQUEO	AQUEO	SW846	16587		0
LCSW MR 16587	1	LCS	18:36	20		AQUEO	AQUEO	SW846	16587		0
AC67363-001	1	SMP	18:40	21	METALS-TAL-S	AQUEO	AQUEO	SW846	16587		0
AC67363-001	1	MR	18:45	22	METALS-TAL-S	AQUEO	AQUEO	SW846	16587		0
AC67363-001	1	MS	18:51	23	METALS-TAL-S	AQUEO	AQUEO	SW846	16587		0
AC67363-001	1	MSD	18:56	24	METALS-TAL-S	AQUEO	AQUEO	SW846	16587		0
AC67363-001	1	PS	19:02	25	METALS-TAL-S	AQUEO	AQUEO	SW846	16587		0
AC67363-001	5	SD	19:08	26	METALS-TAL-S	AQUEO	AQUEO	SW846	16587		0
CCV V-143098	1	CCV	19:12	27							V-143098(CCV)
CCB	1	CCB	19:15	28							0
AC67363-002	1	SMP	19:19	29	METALS-TAL-S	AQUEO	AQUEO	SW846	16587		0
AC67363-003	1	SMP	19:25	30	METALS-TAL-S	AQUEO	AQUEO	SW846	16587		0
AC67271-001	1	SMP	19:29	31	METALS-TAL-S	AQUEO	AQUEO	SW846	16587		0
AC67271-002	1	SMP	19:32	32	METALS-TAL-S	AQUEO	AQUEO	SW846	16587		0
AC67271-003	1	SMP	19:36	33	METALS-TAL-S	AQUEO	AQUEO	SW846	16587		0
AC67271-004	1	SMP	19:40	34	METALS-TAL-S	AQUEO	AQUEO	SW846	16587		0
AC67271-005	1	SMP	19:44	35	METALS-TAL-S	AQUEO	AQUEO	SW846	16587		0
ICSA V-142319	1	ICSA	19:48	36							V-142319(ICSA)
ICSAB V-142911	1	ICSAB	19:54	37							V-142911(ICSAB)
CCV V-143098	1	CCV	19:59	38							V-143098(CCV)
CCB	1	CCB	20:03	39							0
AC67271-006	1	SMP	20:07	40	METALS-TAL-S	AQUEO	AQUEO	SW846	16587		0
AC67271-007	1	SMP	20:10	41	METALS-TAL-S	AQUEO	AQUEO	SW846	16587		0
AC67271-008	1	SMP	20:15	42	METALS-TAL-S	AQUEO	AQUEO	SW846	16587		0
AC67271-009	1	SMP	20:18	43	METALS-TAL-S	AQUEO	AQUEO	SW846	16587		0
AC67271-010	1	SMP	20:22	44	METALS-TAL-S	AQUEO	AQUEO	SW846	16587		0
AC67271-012	1	SMP	20:26	45	METALS-TAL-S	AQUEO	AQUEO	SW846	16587		0
AC67271-013	1	SMP	20:30	46	METALS-TAL-S	AQUEO	AQUEO	SW846	16587		0
ICSA V-142319	1	ICSA	20:34	47							V-142319(ICSA)
ICSAB V-142911	1	ICSAB	20:39	48							V-142911(ICSAB)
CCV V-143098	1	CCV	20:45	49							V-143098(CCV)
CCB	1	CCB	20:48	50							0
AC67232-001	1	SMP	20:52	51	MET-11-SOIL	AQUEO	AQUEO	SW846	16587		0
AC67362-001	1	SMP	20:56	52	MET-4-SOIL	AQUEO	AQUEO	SW846	16587		0
AC67362-003	1	SMP	21:00	53	MET-4-SOIL	AQUEO	AQUEO	SW846	16587		0
AC67362-005	1	SMP	21:04	54	MET-4-SOIL	AQUEO	AQUEO	SW846	16587		0
AC67362-007	1	SMP	21:08	55	MET-4-SOIL	AQUEO	AQUEO	SW846	16587		0
ICSA V-142319	1	ICSA	21:12	56							V-142319(ICSA)
ICSAB V-142911	1	ICSAB	21:17	57							V-142911(ICSAB)
CCV V-143098	1	CCV	21:23	58							V-143098(CCV)
CCB	1	CCB	21:26	59							0

Comments/Reviewedby:

Standard/Batch/SnCl2 Lot #:

sean
192.168.1.78 8/1/2012 10:14:09 AM

OK

8h 8/1/12

Run Log

Data File: W:\METALS.FRM\ICPDATA\New\PEICPRAD2A\SW14166B2.txt

Analysis Date: 08/01/12

Instrument: PEICPRAD2A

Sample Id	DF	Qc Type	Time	Run #	Test Group	Rept Limit Matrix	Qc Matrix	Anal Method	Prep Batch	Comments:	Stds:
Calib Blk 1 V-143551	1	CAL	00:54	1							V-143551(ICB/CCB)
Calib 1 V-142913	1	CAL	01:00	2							V-142913(ICS2- Low Std)
Calib 2 V-142393	1	CAL	01:03	3							V-142393(ICS3 - Middle Std)
Calib 3 V-142916	1	CAL	01:06	4							V-142916(ICS4 - High std)
ICS3 V-142393	1	ICS	01:09	5							V-142393(ICS3 - Middle Std)
ICV V-142322 (2)	1	ICV	01:13	6							V-142322(ICV)
ICB V-143551	1	ICB	01:16	7							V-143551(ICB/CCB)
ICSA V-142319	1	ICSA	01:19	8							V-142319(ICSA)
ICSAB V-142911	1	ICSAB	01:23	9							V-142911(ICSAB)
CCV V-143098	1	CCV	01:26	10							V-143098(CCV)
CCB	1	CCB	01:29	11							0
MB 16587 (1)	1	MB	01:33	12		AQUEO	AQUEO	SW846	16587		0
LCSW 16587	1	LCS	01:36	13		AQUEO	AQUEO	SW846	16587		0
LCSW MR 16587	1	LCS	01:39	14		AQUEO	AQUEO	SW846	16587		0
AC67363-001	1	SMP	01:42	15	METALS-TAL-S	AQUEO	AQUEO	SW846	16587		0
AC67363-001	1	MR	01:47	16	METALS-TAL-S	AQUEO	AQUEO	SW846	16587		0
AC67363-001	1	MS	01:51	17	METALS-TAL-S	AQUEO	AQUEO	SW846	16587		0
AC67363-001	1	MSD	01:56	18	METALS-TAL-S	AQUEO	AQUEO	SW846	16587		0
AC67363-001	1	PS	02:00	19	METALS-TAL-S	AQUEO	AQUEO	SW846	16587		0
AC67363-001	5	SD	02:04	20	METALS-TAL-S	AQUEO	AQUEO	SW846	16587		0
CCV V-143098	1	CCV	02:08	21							V-143098(CCV)
CCB	1	CCB	02:11	22							0
AC67363-002	1	SMP	02:14	23	METALS-TAL-S	AQUEO	AQUEO	SW846	16587		0
AC67363-003	1	SMP	02:19	24	METALS-TAL-S	AQUEO	AQUEO	SW846	16587		0
AC67271-001	1	SMP	02:22	25	METALS-TAL-S	AQUEO	AQUEO	SW846	16587		0
AC67271-002	1	SMP	02:25	26	METALS-TAL-S	AQUEO	AQUEO	SW846	16587		0
AC67271-003	1	SMP	02:28	27	METALS-TAL-S	AQUEO	AQUEO	SW846	16587		0
AC67271-004	1	SMP	02:32	28	METALS-TAL-S	AQUEO	AQUEO	SW846	16587		0
AC67271-005	1	SMP	02:35	29	METALS-TAL-S	AQUEO	AQUEO	SW846	16587		0
ICSA V-142319	1	ICSA	02:38	30							V-142319(ICSA)
ICSAB V-142911	1	ICSAB	02:41	31							V-142911(ICSAB)
CCV V-143098	1	CCV	02:45	32							V-143098(CCV)
CCB	1	CCB	02:48	33							0
AC67271-006	1	SMP	02:51	34	METALS-TAL-S	AQUEO	AQUEO	SW846	16587		0
AC67271-007	1	SMP	02:55	35	METALS-TAL-S	AQUEO	AQUEO	SW846	16587		0
AC67271-008	1	SMP	02:57	36	METALS-TAL-S	AQUEO	AQUEO	SW846	16587		0
AC67271-009	1	SMP	03:01	37	METALS-TAL-S	AQUEO	AQUEO	SW846	16587		0
AC67271-010	1	SMP	03:04	38	METALS-TAL-S	AQUEO	AQUEO	SW846	16587		0
AC67271-012	1	SMP	03:07	39	METALS-TAL-S	AQUEO	AQUEO	SW846	16587		0
AC67271-013	1	SMP	03:10	40	METALS-TAL-S	AQUEO	AQUEO	SW846	16587		0
ICSA V-142319	1	ICSA	03:13	41							V-142319(ICSA)
ICSAB V-142911	1	ICSAB	03:17	42							V-142911(ICSAB)
CCV V-143098	1	CCV	03:20	43							V-143098(CCV)
CCB	1	CCB	03:24	44							0

Comments/Reviewedby:

sean
192.168.1.78 8/1/2012 10:24:48 AM

OK

SL 8/1/12

Standard/Batch/SnCl2 Lot #:

Run Log

Data File: W:\METALS.FRM\ICPDATA\New\HGCV1A\H14166SW.txt

Analysis Date: 07/31/12

Instrument: HGCV1A

Sample Id	DF	Qc Type	Time	Run #	Test Group	Rept Limit Matrix	Qc Matrix	Anal Method	Prep Batch	Comments:	Stds:
Calibration Blank	1	CAL	15:47	1							0
.2 PPB	1	CAL	15:48	2							0
.5 PPB	1	CAL	15:49	3							0
1 PPB	1	CAL	15:51	4							0
2 PPB	1	CAL	15:52	5							0
5 PPB	1	CAL	15:53	6							0
10 PPB	1	CAL	15:55	7							0
25 PPB	1	CAL	15:56	8							0
ICV (2)	1	ICV	15:57	9							0
ICB	1	ICB	15:59	10							0
MB 16587 (1)	1	MB	16:00	11		AQUEO	AQUEO	SW846	16587		0
LCSW 16587	1	LCS	16:02	12		AQUEO	AQUEO	SW846	16587		0
LCSW MR 16587	1	LCS	16:03	13		AQUEO	AQUEO	SW846	16587		0
AC67363-001	1	SMP	16:04	14	HG-W-7470	AQUEO	AQUEO	SW846	16587		0
AC67363-001	1	MR	16:06	15	HG-W-7470	AQUEO	AQUEO	SW846	16587		0
AC67363-001	1	MS	16:07	16	HG-W-7470	AQUEO	AQUEO	SW846	16587		0
AC67363-001	1	MSD	16:08	17	HG-W-7470	AQUEO	AQUEO	SW846	16587		0
AC67363-002	1	SMP	16:10	18	HG-W-7470	AQUEO	AQUEO	SW846	16587		0
AC67363-003	1	SMP	16:11	19	HG-W-7470	AQUEO	AQUEO	SW846	16587		0
AC67232-001	1	SMP	16:13	20	HG-W-7470	AQUEO	AQUEO	SW846	16587		0
CCV	1	CCV	16:14	21							0
CCB	1	CCB	16:15	22							0
AC67271-001	1	SMP	16:17	23	HG-W-7470	AQUEO	AQUEO	SW846	16587		0
AC67271-002	1	SMP	16:18	24	HG-W-7470	AQUEO	AQUEO	SW846	16587		0
AC67271-003	1	SMP	16:19	25	HG-W-7470	AQUEO	AQUEO	SW846	16587		0
AC67271-004	1	SMP	16:21	26	HG-W-7470	AQUEO	AQUEO	SW846	16587		0
AC67271-005	1	SMP	16:22	27	HG-W-7470	AQUEO	AQUEO	SW846	16587		0
AC67271-006	1	SMP	16:23	28	HG-W-7470	AQUEO	AQUEO	SW846	16587		0
AC67271-007	1	SMP	16:25	29	HG-W-7470	AQUEO	AQUEO	SW846	16587		0
AC67271-008	1	SMP	16:26	30	HG-W-7470	AQUEO	AQUEO	SW846	16587		0
AC67271-009	1	SMP	16:28	31	HG-W-7470	AQUEO	AQUEO	SW846	16587		0
AC67271-010	1	SMP	16:29	32	HG-W-7470	AQUEO	AQUEO	SW846	16587		0
CCV	1	CCV	16:30	33							0
CCB	1	CCB	16:32	34							0
AC67271-012	1	SMP	16:33	35	HG-W-7470	AQUEO	AQUEO	SW846	16587		0
AC67271-013	1	SMP	16:34	36	HG-W-7470	AQUEO	AQUEO	SW846	16587		0
CCV	1	CCV	16:36	37							0
CCB	1	CCB	16:37	38							0

Comments/Reviewedby:

carmela
192.168.1.89 7/31/2012 4:44:20 PM

OK

8C 7/31/12

Standard/Batch/SnCl2 Lot #:

V-146788

HC·V
HAMPTONCLARKE·VERITECH

Last Page of Report

HC·V
HAMPTONCLARKE·VERITECH

175 ROUTE 46 WEST, UNIT D · FAIRFIELD, NJ 07004
2 MADISON ROAD, FAIRFIELD, NJ 07004
800-426-9992 · 973-244-9770
FAX: 973-244-9787

WWW.HCVLAB.COM

Project: EJ1111829.002

Client PO: Not Available

Report To: Whitestone Associates
35 Technology Drive
Warren, NJ 07059

Attn: Patrick Beesley

Received Date: 11/12/2012

Report Date: 11/20/2012

Deliverables: NYDOH-R

Lab ID: AC69212

Lab Project No: 2111211

This report is a true report of results obtained from our tests of this material. The report relates only to those samples received and analyzed by the laboratory. All results meet the requirements of the NELAC Institute standards. Laboratory reports may not be reproduced, except in full, without the written approval of the laboratory.

In lieu of a formal contract document, the total aggregate liability of Veritech to all parties shall not exceed Veritech's total fee for analytical services rendered.

Robin Cousineau - Quality Assurance Director OR **Stanley Gilewicz - Laboratory Director**

NJ	(07071)	NY	(ELAP11408)	CT	(PH-0671)
PA	(68-00463)	KY	(90124)		

NELAP ACCREDITED TNI LABORATORY

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Sample Summary

Client: Whitestone Associates

Project: EJ1111829.002

HCV Project #: 2111211

Lab#	SampleID	Matrix	Collection Date	Receipt Date
AC69212-001	MW-1	Aqueous	11/12/2012	11/12/2012
AC69212-002	MW-2	Aqueous	11/12/2012	11/12/2012
AC69212-003	MW-3	Aqueous	11/12/2012	11/12/2012
AC69212-004	MW-4	Aqueous	11/12/2012	11/12/2012
AC69212-005	MW-5	Aqueous	11/12/2012	11/12/2012
AC69212-006	MW-6	Aqueous	11/12/2012	11/12/2012
AC69212-007	MW-7	Aqueous	11/12/2012	11/12/2012
AC69212-008	FB	Aqueous	11/12/2012	11/12/2012
AC69212-009	TB	Aqueous	11/12/2012	11/12/2012
AC69212-010	MW-4(D)	Aqueous	11/12/2012	11/12/2012

HCV Case Narrative

Client: Whitestone Associates
Project: EJ1111829.002

HCV Project: 2111211

This case narrative is in the form of an exception report. Method specific and/or QA/QC anomalies related to this report only are detailed below.

Volatile Organic Analysis:

Data conforms to method requirements.

Robin Cousineau
Quality Assurance Director

Or

Stanley Gilewicz
Laboratory Director

11/20/2012
Date

HCV Executive Summary

Client: Whitestone Associates **HCV Project #:** 2111211

Project: EJ1111829.002

Lab#: AC69212-001 **Sample ID: MW-1**

Analyte	Units	RL	Result	Analytical Method
cis-1,2-Dichloroethene	ug/l	1.0	13	EPA 8260B
Trichloroethene	ug/l	1.0	9.8	EPA 8260B

Lab#: AC69212-002 **Sample ID: MW-2**

Analyte	Units	RL	Result	Analytical Method
cis-1,2-Dichloroethene	ug/l	1.0	7.6	EPA 8260B
Tetrachloroethene	ug/l	1.0	51	EPA 8260B
Trichloroethene	ug/l	1.0	66	EPA 8260B

Lab#: AC69212-003 **Sample ID: MW-3**

Analyte	Units	RL	Result	Analytical Method
Tetrachloroethene	ug/l	1.0	4.7	EPA 8260B
Trichloroethene	ug/l	1.0	40	EPA 8260B

Lab#: AC69212-004 **Sample ID: MW-4**

Analyte	Units	RL	Result	Analytical Method
Trichloroethene	ug/l	1.0	4.3	EPA 8260B

Lab#: AC69212-006 **Sample ID: MW-6**

Analyte	Units	RL	Result	Analytical Method
cis-1,2-Dichloroethene	ug/l	1.0	3.1	EPA 8260B
Tetrachloroethene	ug/l	1.0	37	EPA 8260B
Trichloroethene	ug/l	1.0	45	EPA 8260B

Lab#: AC69212-007 **Sample ID: MW-7**

Analyte	Units	RL	Result	Analytical Method
t-Butyl Alcohol	ug/l	5.0	5.2	EPA 8260B

Lab#: AC69212-010 **Sample ID: MW-4(D)**

Analyte	Units	RL	Result	Analytical Method
Methyl-t-butyl ether	ug/l	0.50	0.51	EPA 8260B
Trichloroethene	ug/l	1.0	4.2	EPA 8260B

HCV Report Of Analysis

Client: Whitestone Associates
Project: EJ1111829.002

HCV Project #: 2111211

Sample ID: MW-1
Lab#: AC69212-001
Matrix: Aqueous

Collection Date: 11/12/2012
Receipt Date: 11/12/2012

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichloropropane	1	ug/l	1.0	ND
1,2,4-Trimethylbenzene	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3,5-Trimethylbenzene	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,3-Dichloropropane	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Chloroethylvinylether	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Isopropyltoluene	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Acrolein	1	ug/l	5.0	ND
Acrylonitrile	1	ug/l	2.0	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	**1**	**ug/l**	**1.0**	**13**
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
n-Butylbenzene	1	ug/l	1.0	ND
n-Propylbenzene	1	ug/l	1.0	ND
o-Xylene	1	ug/l	1.0	ND
sec-Butylbenzene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND

NOTE: Soil Results are reported to Dry Weigh

Sample ID: MW-1
Lab#: AC69212-001
Matrix: Aqueous

Collection Date: 11/12/2012
Receipt Date: 11/12/2012

t-Butyl Alcohol	1	ug/l	5.0	ND
t-Butylbenzene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	**1**	**ug/l**	**1.0**	**9.8**
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: MW-2
Lab#: AC69212-002
Matrix: Aqueous

Collection Date: 11/12/2012
Receipt Date: 11/12/2012

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichloropropane	1	ug/l	1.0	ND
1,2,4-Trimethylbenzene	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3,5-Trimethylbenzene	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,3-Dichloropropane	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Chloroethylvinylether	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Isopropyltoluene	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Acrolein	1	ug/l	5.0	ND
Acrylonitrile	1	ug/l	2.0	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	**1**	**ug/l**	**1.0**	**7.6**
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
n-Butylbenzene	1	ug/l	1.0	ND
n-Propylbenzene	1	ug/l	1.0	ND
o-Xylene	1	ug/l	1.0	ND
sec-Butylbenzene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
t-Butyl Alcohol	1	ug/l	5.0	ND
t-Butylbenzene	1	ug/l	1.0	ND
Tetrachloroethene	**1**	**ug/l**	**1.0**	**51**
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND

Sample ID: MW-2
Lab#: AC69212-002
Matrix: Aqueous

Collection Date: 11/12/2012
Receipt Date: 11/12/2012

Trichloroethene	**1**	**ug/l**	**1.0**	**66**
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: MW-3
Lab#: AC69212-003
Matrix: Aqueous

Collection Date: 11/12/2012
Receipt Date: 11/12/2012

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichloropropane	1	ug/l	1.0	ND
1,2,4-Trimethylbenzene	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3,5-Trimethylbenzene	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,3-Dichloropropane	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Chloroethylvinylether	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Isopropyltoluene	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Acrolein	1	ug/l	5.0	ND
Acrylonitrile	1	ug/l	2.0	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
n-Butylbenzene	1	ug/l	1.0	ND
n-Propylbenzene	1	ug/l	1.0	ND
o-Xylene	1	ug/l	1.0	ND
sec-Butylbenzene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
t-Butyl Alcohol	1	ug/l	5.0	ND
t-Butylbenzene	1	ug/l	1.0	ND
Tetrachloroethene	**1**	**ug/l**	**1.0**	**4.7**
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND

Sample ID: MW-3
Lab#: AC69212-003
Matrix: Aqueous

Collection Date: 11/12/2012
Receipt Date: 11/12/2012

Trichloroethene	**1**	**ug/l**	**1.0**	**40**
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: MW-4
Lab#: AC69212-004
Matrix: Aqueous

Collection Date: 11/12/2012
Receipt Date: 11/12/2012

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichloropropane	1	ug/l	1.0	ND
1,2,4-Trimethylbenzene	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3,5-Trimethylbenzene	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,3-Dichloropropane	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Chloroethylvinylether	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Isopropyltoluene	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Acrolein	1	ug/l	5.0	ND
Acrylonitrile	1	ug/l	2.0	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
n-Butylbenzene	1	ug/l	1.0	ND
n-Propylbenzene	1	ug/l	1.0	ND
o-Xylene	1	ug/l	1.0	ND
sec-Butylbenzene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
t-Butyl Alcohol	1	ug/l	5.0	ND
t-Butylbenzene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND

Sample ID: MW-4
Lab#: AC69212-004
Matrix: Aqueous

Collection Date: 11/12/2012
Receipt Date: 11/12/2012

Trichloroethene	**1**	**ug/l**	**1.0**	**4.3**
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: MW-5
Lab#: AC69212-005
Matrix: Aqueous

Collection Date: 11/12/2012
Receipt Date: 11/12/2012

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichloropropane	1	ug/l	1.0	ND
1,2,4-Trimethylbenzene	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3,5-Trimethylbenzene	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,3-Dichloropropane	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Chloroethylvinylether	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Isopropyltoluene	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Acrolein	1	ug/l	5.0	ND
Acrylonitrile	1	ug/l	2.0	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
n-Butylbenzene	1	ug/l	1.0	ND
n-Propylbenzene	1	ug/l	1.0	ND
o-Xylene	1	ug/l	1.0	ND
sec-Butylbenzene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
t-Butyl Alcohol	1	ug/l	5.0	ND
t-Butylbenzene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND

Sample ID: MW-5
Lab#: AC69212-005
Matrix: Aqueous

Collection Date: 11/12/2012
Receipt Date: 11/12/2012

Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: MW-6
Lab#: AC69212-006
Matrix: Aqueous

Collection Date: 11/12/2012
Receipt Date: 11/12/2012

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichloropropane	1	ug/l	1.0	ND
1,2,4-Trimethylbenzene	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3,5-Trimethylbenzene	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,3-Dichloropropane	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Chloroethylvinylether	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Isopropyltoluene	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Acrolein	1	ug/l	5.0	ND
Acrylonitrile	1	ug/l	2.0	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	**1**	**ug/l**	**1.0**	**3.1**
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
n-Butylbenzene	1	ug/l	1.0	ND
n-Propylbenzene	1	ug/l	1.0	ND
o-Xylene	1	ug/l	1.0	ND
sec-Butylbenzene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
t-Butyl Alcohol	1	ug/l	5.0	ND
t-Butylbenzene	1	ug/l	1.0	ND
Tetrachloroethene	**1**	**ug/l**	**1.0**	**37**
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND

Sample ID: MW-6
Lab#: AC69212-006
Matrix: Aqueous

Collection Date: 11/12/2012
Receipt Date: 11/12/2012

Trichloroethene	**1**	**ug/l**	**1.0**	**45**
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: MW-7
Lab#: AC69212-007
Matrix: Aqueous

Collection Date: 11/12/2012
Receipt Date: 11/12/2012

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichloropropane	1	ug/l	1.0	ND
1,2,4-Trimethylbenzene	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3,5-Trimethylbenzene	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,3-Dichloropropane	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Chloroethylvinylether	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Isopropyltoluene	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Acrolein	1	ug/l	5.0	ND
Acrylonitrile	1	ug/l	2.0	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
n-Butylbenzene	1	ug/l	1.0	ND
n-Propylbenzene	1	ug/l	1.0	ND
o-Xylene	1	ug/l	1.0	ND
sec-Butylbenzene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
t-Butyl Alcohol	**1**	**ug/l**	**5.0**	**5.2**
t-Butylbenzene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND

Sample ID: MW-7
Lab#: AC69212-007
Matrix: Aqueous

Collection Date: 11/12/2012
Receipt Date: 11/12/2012

Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: FB
Lab#: AC69212-008
Matrix: Aqueous

Collection Date: 11/12/2012
Receipt Date: 11/12/2012

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichloropropane	1	ug/l	1.0	ND
1,2,4-Trimethylbenzene	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3,5-Trimethylbenzene	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,3-Dichloropropane	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Chloroethylvinylether	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Isopropyltoluene	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Acrolein	1	ug/l	5.0	ND
Acrylonitrile	1	ug/l	2.0	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
n-Butylbenzene	1	ug/l	1.0	ND
n-Propylbenzene	1	ug/l	1.0	ND
o-Xylene	1	ug/l	1.0	ND
sec-Butylbenzene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
t-Butyl Alcohol	1	ug/l	5.0	ND
t-Butylbenzene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND

Sample ID: FB
Lab#: AC69212-008
Matrix: Aqueous

Collection Date: 11/12/2012
Receipt Date: 11/12/2012

Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: TB
Lab#: AC69212-009
Matrix: Aqueous

Collection Date: 11/12/2012
Receipt Date: 11/12/2012

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichloropropane	1	ug/l	1.0	ND
1,2,4-Trimethylbenzene	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3,5-Trimethylbenzene	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,3-Dichloropropane	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Chloroethylvinylether	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Isopropyltoluene	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Acrolein	1	ug/l	5.0	ND
Acrylonitrile	1	ug/l	2.0	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
n-Butylbenzene	1	ug/l	1.0	ND
n-Propylbenzene	1	ug/l	1.0	ND
o-Xylene	1	ug/l	1.0	ND
sec-Butylbenzene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
t-Butyl Alcohol	1	ug/l	5.0	ND
t-Butylbenzene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND

Sample ID: TB
Lab#: AC69212-009
Matrix: Aqueous

Collection Date: 11/12/2012
Receipt Date: 11/12/2012

Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: MW-4(D)
Lab#: AC69212-010
Matrix: Aqueous

Collection Date: 11/12/2012
Receipt Date: 11/12/2012

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichloropropane	1	ug/l	1.0	ND
1,2,4-Trimethylbenzene	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3,5-Trimethylbenzene	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,3-Dichloropropane	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Chloroethylvinylether	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Isopropyltoluene	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Acrolein	1	ug/l	5.0	ND
Acrylonitrile	1	ug/l	2.0	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	**1**	**ug/l**	**0.50**	**0.51**
n-Butylbenzene	1	ug/l	1.0	ND
n-Propylbenzene	1	ug/l	1.0	ND
o-Xylene	1	ug/l	1.0	ND
sec-Butylbenzene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
t-Butyl Alcohol	1	ug/l	5.0	ND
t-Butylbenzene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND

Sample ID: MW-4(D)
Lab#: AC69212-010
Matrix: Aqueous

Collection Date: 11/12/2012
Receipt Date: 11/12/2012

Trichloroethene	**1**	**ug/l**	**1.0**	**4.2**
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

HCV Reporting Limit Definitions/Data Qualifiers

REPORTING DEFINITIONS

DF = Dilution Factor

MDL = Method Detection Limit

RL* = Reporting Limit

ND = Not Detected

RT = Retention Time

NA = Not Applicable

**Samples with elevated Reporting Limits (RLs) as a result of a dilution may not achieve client reporting limits in some cases. The elevated RLs are unavoidable consequences of sample dilution required to quantitate target analytes that exceed the calibration range of the instrument.*

DATA QUALIFIERS

B- Indicates analyte was present in the Method Blank and sample.

d- For Pesticide and PCB analysis, the concentration between primary and secondary columns is greater than 40%. The lower concentration is generally reported.

E- Indicates the concentration exceeded the upper calibration range of the instrument.

J- Indicates the value is estimated because it is either a Tentatively Identified Compound (TIC) or the reported concentration is greater than the MDL but less than the RL. For samples results between the MDL and RL there is a possibility of false positives or misidentification at the quantitation levels. Additionally, the acceptance criteria for QC samples may not be met.

Laboratory Chronicle

Client: Whitestone Associates

Project: EJ1111829.002

HCV Project #: 2111211

Lab#: AC69212-001 **Sample ID: MW-1**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	11/13/12 13:04	SG

Lab#: AC69212-002 **Sample ID: MW-2**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	11/13/12 13:21	SG

Lab#: AC69212-003 **Sample ID: MW-3**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	11/13/12 13:37	SG

Lab#: AC69212-004 **Sample ID: MW-4**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	11/13/12 13:54	SG

Lab#: AC69212-005 **Sample ID: MW-5**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	11/13/12 12:16	SG

Lab#: AC69212-006 **Sample ID: MW-6**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	11/13/12 14:10	SG

Laboratory Chronicle

Client: Whitestone Associates

HCV Project #: 2111211

Project: EJ1111829.002

Lab#: AC69212-007 **Sample ID: MW-7**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	11/13/12 14:27	SG

Lab#: AC69212-008 **Sample ID: FB**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	11/13/12 11:09	SG

Lab#: AC69212-009 **Sample ID: TB**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	11/13/12 11:26	SG

Lab#: AC69212-010 **Sample ID: MW-4(D)**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	11/13/12 14:43	SG

Chain of Custody

Veritech/Division of Hampton-Clarke
175 Route 46 West and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1458
Service Center: 137-D Gaither Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056

HC-V HamptonClarke·Veritech

CHAIN OF CUSTODY RECORD

NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | WV #353 | KY #90124

2111211 0028

2/1/211

Customer Information

1a) Customer: Whitestone Associates, Inc.
Address: 35 Technology Drive
Warren, NJ 07059
1b) Email/Cell/Fax/Ph: 908-668-7777
1c) Send Invoice to: Whitestone - PAT B
1d) Send Report to: Whitestone - PAT B

Project Information

2a) Project: EJ111829.002
2b) Project Mgr: Co Seib
2c) Project Location (City/State): Bronx, NY
2d) Quote/PO # (If Applicable): —

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Deliv.
24 Hours (100%)	Data Summary	Hazsite/CSV
48 Hours (75%)	Waste	EQuIS 4-File / EZ / NYS
72 Hours (50%)	Red NJ / NY PA	EQuIS EPA Region 2 or 5
4 Days (35%; TPH)	CLP	Excel - NJ Regulatory
1 Week (25%; EPH)	Full / Category B	Excel - NY Regulatory
10 Days (10%)	Category A	Excel - PA Regulatory
2 Weeks	Other:	PDF
Other:		Other:

Expedited TAT Not Always Available. Please Check with Lab.

FOR LAB USE ONLY ↓

Batch # AC69212

Check If Contingent ===>

Matrix Codes
DW - Drinking Water S - Soil A - Air
GW - Ground Water SL - Sludge
WW - Waste Water OL - Oil
OT - Other (please specify under item 9, Comments)

7) Analysis Request <=== Check If Contingent

8) # of Bottles

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Composite (C)	Grab (G)	VOCs	Sv~~OCs~~	~~Metals Filtered~~	~~Metals unfiltered~~	~~PCBs~~	~~Pesticides~~	None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
-001	MW-1	GW	11/12/12			X	X										3				
-002	MW-2	GW	11/12/12	9:40		X	X										3				
-003	MW-3	GW	11/12/12	12:10		X	X										3				
-004	MW-4	GW	11/12/12	14:40		X	X										3				
-005	MW-5	GW	11/12/12	8:37		X	X										3				
-006	MW-6	GW	11/12/12	10:50		X	X										3				
-007	MW-7	GW	11/12/12	13:20		X	X										3				
-008	FB		11/12/12	12:20		X	X										3				
-009	TB					X	X										3				
-010	[redacted] MW-4(D)	GW	11/12/12	14:40		X	X										3				

10) Relinquished by:	Accepted by:	Date	Time
Patrick Beesley	Jim Boor	11/12/12	3:45PM
Jim Boor	[illegible]	11/12/12	16:49

Additional Notes

Comments, Notes, Special Requirements, HAZARDS

Note: Check if low-level groundwater methods required to meet current standards in NJ or PA:
- ☐ BN or BNA (8270C SIM)
- ☐ VOC (8260B SIM or 8011)
- ☐ Metals (ICP-MS 200.8 or 6020)
- ☐ Metals-Soil (ICP-MS 6020 for Be & Ag)

Note: Check if applicable:
- ☐ Project-Specific Reporting Limits
- ☐ High Contaminant Concentrations
- ☐ NJ LSRP Project

Cooler Temperature: 2.2

11) Sampler (print name): Patrick Beesley Date: 11/12/12

Please circle required parameter list (refer to HC-V summary): i) NJ 2008 SRS; ii) Current TCL; iii) HC-V 2010 Merged; iv) PA; v) NY; vi) Project-Specific

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.

CONDITION UPON RECEIPT

Batch Number AC69212

Entered By: VINCENT
Date Entered 11/12/2012 5:01:00 PM

1	YES	Is there a corresponding COC included with the samples?
2	Yes	Are the samples in a container such as a cooler or Ice chest?
3	Yes	Are the COC seals intact?
4	Yes	Please specify the Temperature inside the container (in degC) 2.2
5	Yes	Are the samples refrigerated (where required)/have they arrived on ice?
6	Yes	Are the samples within the holding times for the parameters listed on the COC? IF no, list parameters and samples:
7	Yes	Are all of the sample bottles intact? If no, specify sample numbers broken/leaking
8	Yes	Are all of the sample labels or numbers legible? If no specify:
9	Yes	Do the contents match the COC? If no, specify
10	Yes	Is there enough sample sent for the analyses listed on the COC? If no, specify:
11	NO	Are samples preserved correctly?
12	Yes	Was temperature blank present (Place comment below if not)? If not was temperature of samples verified?
13	NA	Other comments ...Specify
14	NA	Corrective actions (Specify item number and corrective action taken).

PRESERVATION DOCUMENT

Batch Number AC69212

Entered By: VINCENT
Date Entered 11/12/2012 5:02:00 PM

Lab#:	Container Siz	Container Typ	Parameter	Preservative	PH
AC69212-001	40ML	G	VO	HCL	1
AC69212-002	40ML	G	VO	HCL	1
AC69212-003	40ML	G	VO	HCL	1
AC69212-004	40ML	G	VO	HCL	1
AC69212-005	40ML	G	VO	HCL	7
AC69212-006	40ML	G	VO	HCL	1
AC69212-007	40ML	G	VO	HCL	1
AC69212-008	40ML	G	VO	HCL	1
AC69212-009	40ML	G	VO	HCL	1
AC69212-010	40ML	G	VO	HCL	1

Internal Chain of Custody

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis
AC69212-001	11/12/12 16:49	VINCE	0	M	Received
AC69212-001	11/12/12 17:01	VINCE	0	M	Login
AC69212-001	11/12/12 19:42	R31	1	A	NONE
AC69212-001	11/12/12 19:42	R31	2	A	NONE
AC69212-001	11/13/12 10:35	SG	2	A	voa
AC69212-001	11/12/12 19:42	R31	3	A	NONE
AC69212-002	11/12/12 16:49	VINCE	0	M	Received
AC69212-002	11/12/12 17:01	VINCE	0	M	Login
AC69212-002	11/12/12 19:42	R31	1	A	NONE
AC69212-002	11/12/12 19:42	R31	2	A	NONE
AC69212-002	11/13/12 10:35	SG	2	A	voa
AC69212-002	11/12/12 19:42	R31	3	A	NONE
AC69212-003	11/12/12 16:49	VINCE	0	M	Received
AC69212-003	11/12/12 17:01	VINCE	0	M	Login
AC69212-003	11/12/12 19:42	R31	1	A	NONE
AC69212-003	11/12/12 19:42	R31	2	A	NONE
AC69212-003	11/13/12 10:35	SG	2	A	voa
AC69212-003	11/12/12 19:42	R31	3	A	NONE
AC69212-004	11/12/12 16:49	VINCE	0	M	Received
AC69212-004	11/12/12 17:01	VINCE	0	M	Login
AC69212-004	11/12/12 19:42	R31	1	A	NONE
AC69212-004	11/12/12 19:42	R31	2	A	NONE
AC69212-004	11/13/12 10:35	SG	2	A	voa
AC69212-004	11/12/12 19:42	R31	3	A	NONE
AC69212-005	11/12/12 16:49	VINCE	0	M	Received
AC69212-005	11/12/12 17:01	VINCE	0	M	Login
AC69212-005	11/12/12 19:42	R31	1	A	NONE
AC69212-005	11/12/12 19:42	R31	2	A	NONE
AC69212-005	11/13/12 10:35	SG	2	A	voa
AC69212-005	11/12/12 19:42	R31	3	A	NONE
AC69212-006	11/12/12 16:49	VINCE	0	M	Received
AC69212-006	11/12/12 17:01	VINCE	0	M	Login
AC69212-006	11/12/12 19:42	R31	1	A	NONE
AC69212-006	11/12/12 19:42	R31	2	A	NONE
AC69212-006	11/13/12 10:35	SG	2	A	voa
AC69212-006	11/12/12 19:42	R31	3	A	NONE
AC69212-007	11/12/12 16:49	VINCE	0	M	Received
AC69212-007	11/12/12 17:01	VINCE	0	M	Login
AC69212-007	11/12/12 19:42	R31	1	A	NONE
AC69212-007	11/12/12 19:42	R31	2	A	NONE
AC69212-007	11/13/12 10:35	SG	2	A	voa
AC69212-007	11/12/12 19:42	R31	3	A	NONE
AC69212-008	11/12/12 16:49	VINCE	0	M	Received
AC69212-008	11/12/12 17:01	VINCE	0	M	Login
AC69212-008	11/12/12 19:42	R31	1	A	NONE
AC69212-008	11/12/12 19:42	R31	2	A	NONE
AC69212-008	11/13/12 10:35	SG	2	A	voa
AC69212-008	11/12/12 19:42	R31	3	A	NONE
AC69212-009	11/12/12 16:49	VINCE	0	M	Received
AC69212-009	11/12/12 17:01	VINCE	0	M	Login
AC69212-009	11/12/12 19:42	R31	1	A	NONE
AC69212-009	11/12/12 19:42	R31	2	A	NONE
AC69212-009	11/13/12 10:35	SG	2	A	voa
AC69212-009	11/12/12 19:42	R31	3	A	NONE
AC69212-010	11/12/12 16:49	VINCE	0	M	Received
AC69212-010	11/12/12 17:01	VINCE	0	M	Login
AC69212-010	11/12/12 19:42	R31	1	A	NONE
AC69212-010	11/12/12 19:42	R31	2	A	NONE
AC69212-010	11/13/12 10:35	SG	2	A	voa
AC69212-010	11/12/12 19:42	R31	3	A	NONE

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis

Samples marked as received are stored in coolers or refrigerator R12, or R24 at 4 deg C until Login

Volatile Data

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC69212-001
Client Id: MW-1
Data File: 3M20737.D
Analysis Date: 11/13/12 13:04
Date Rec/Extracted: 11/12/12-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	**156-59-2**	**cis-1,2-Dichloroethene**	**1.0**	**13**
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U	124-48-1	Dibromochloromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	100-41-4	Ethylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U	136777612	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2	Methylene Chloride	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
106-46-7	1,4-Dichlorobenzene	1.0	U	104-51-8	n-Butylbenzene	1.0	U
123-91-1	1,4-Dioxane	50	U	103-65-1	n-Propylbenzene	1.0	U
78-93-3	2-Butanone	1.0	U	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	U	135-98-8	sec-Butylbenzene	1.0	U
591-78-6	2-Hexanone	1.0	U	100-42-5	Styrene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	98-06-6	t-Butylbenzene	1.0	U
67-64-1	Acetone	10	U	127-18-4	Tetrachloroethene	1.0	U
107-02-8	Acrolein	5.0	U	108-88-3	Toluene	1.0	U
107-13-1	Acrylonitrile	2.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	**79-01-6**	**Trichloroethene**	**1.0**	**9.8**
75-25-2	Bromoform	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
74-83-9	Bromomethane	1.0	U	75-01-4	Vinyl Chloride	1.0	U
75-15-0	Carbon Disulfide	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

Worksheet #: 245854

Total Target Concentration

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

2111211 0034

SampleID : AC69212-001 Operator : SG Qt Meth : 3M_A1026.M
Data File: 3M20737.D Sam Mult : 1 Vial# : 18 Qt On : 11/13/12 13:26
Acq On : 11/13/12 13:04 Misc : A,5ML!2 Qt Upd On: 10/27/12 10:55

Data Path : G:\GcMsData\2012\gcms_3\Data\11-13-12\
Qt Path : G:\GCMSDATA\2012\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.485	96	378031	30.00	ug/l	-0.02
52) Chlorobenzene-d5	6.291	117	283579	30.00	ug/l	-0.02
70) 1,4-Dichlorobenzene-d4	7.700	152	144667	30.00	ug/l	-0.02
System Monitoring Compounds						
37) Dibromofluoromethane	4.052	111	125368	31.75	ug/l	-0.02
Spiked Amount 30.000			Recovery = 105.83%			
39) 1,2-Dichloroethane-d4	4.280	67	69563	31.15	ug/l	-0.01
Spiked Amount 30.000			Recovery = 103.83%			
66) Toluene-d8	5.430	98	363634	27.68	ug/l	-0.02
Spiked Amount 30.000			Recovery = 92.27%			
76) Bromofluorobenzene	6.989	174	126891	28.79	ug/l	-0.01
Spiked Amount 30.000			Recovery = 95.97%			
Target Compounds						Qvalue
30) cis-1,2-Dichloroethene	3.708	61	76533	12.7692	ug/l	79
49) Trichloroethene	4.708	130	33862	9.8111	ug/l	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

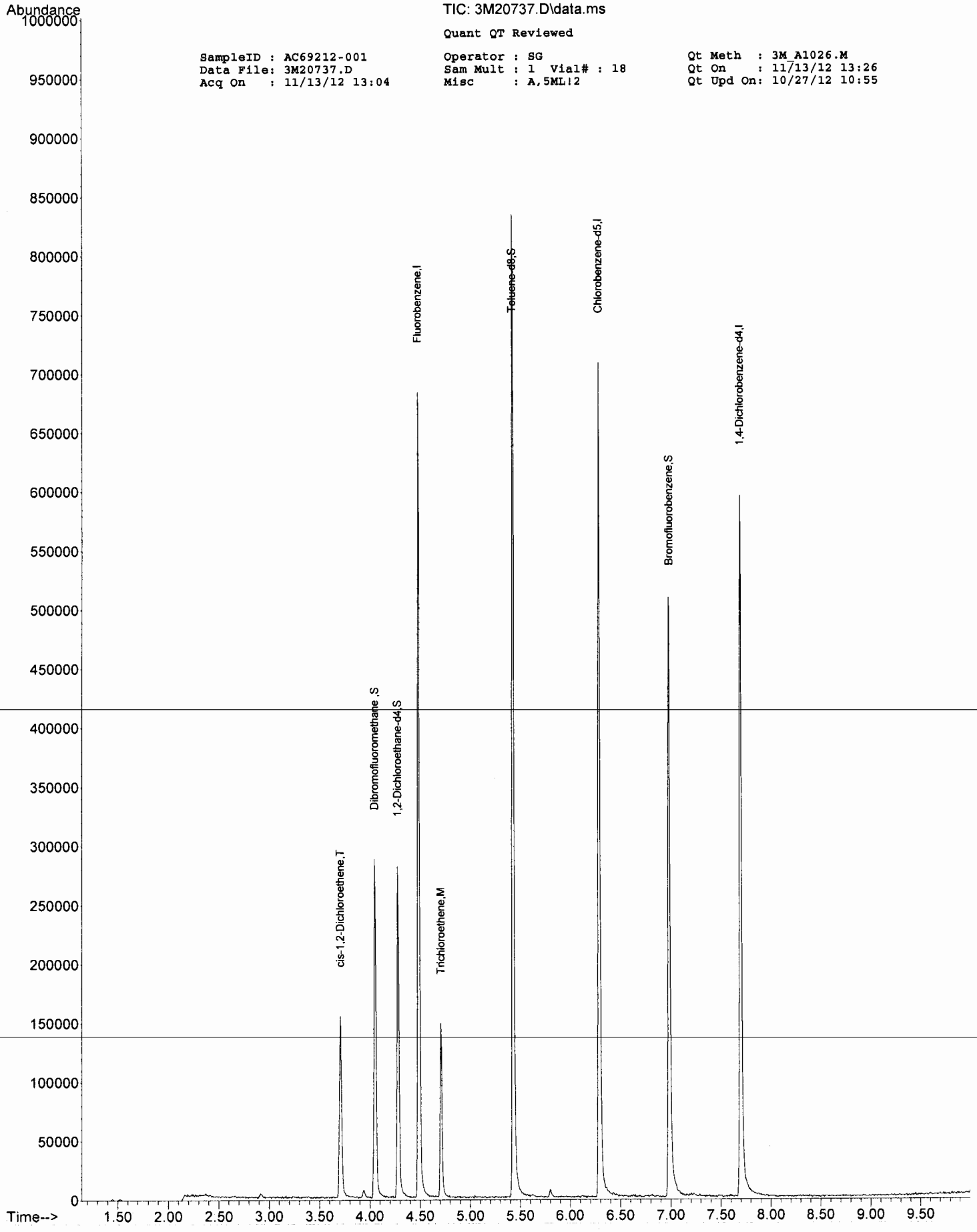
TIC: 3M20737.D\data.ms

Quant QT Reviewed

SampleID : AC69212-001
Data File: 3M20737.D
Acq On : 11/13/12 13:04

Operator : SG
Sam Mult : 1 Vial# : 18
Misc : A,5ML;2

Qt Meth : 3M_A1026.M
Qt On : 11/13/12 13:26
Qt Upd On: 10/27/12 10:55



Form1

ORGANICS VOLATILE REPORT

Sample Number: AC69212-002
Client Id: MW-2
Data File: 3M20738.D
Analysis Date: 11/13/12 13:21
Date Rec/Extracted: 11/12/12-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	**156-59-2**	**cis-1,2-Dichloroethene**	**1.0**	**7.6**
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U	124-48-1	Dibromochloromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	100-41-4	Ethylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U	136777612	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2	Methylene Chloride	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
106-46-7	1,4-Dichlorobenzene	1.0	U	104-51-8	n-Butylbenzene	1.0	U
123-91-1	1,4-Dioxane	50	U	103-65-1	n-Propylbenzene	1.0	U
78-93-3	2-Butanone	1.0	U	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	U	135-98-8	sec-Butylbenzene	1.0	U
591-78-6	2-Hexanone	1.0	U	100-42-5	Styrene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	98-06-6	t-Butylbenzene	1.0	U
67-64-1	Acetone	10	U	**127-18-4**	**Tetrachloroethene**	**1.0**	**51**
107-02-8	Acrolein	5.0	U	108-88-3	Toluene	1.0	U
107-13-1	Acrylonitrile	2.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	**79-01-6**	**Trichloroethene**	**1.0**	**66**
75-25-2	Bromoform	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
74-83-9	Bromomethane	1.0	U	75-01-4	Vinyl Chloride	1.0	U
75-15-0	Carbon Disulfide	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

Worksheet #: 245854 *Total Target Concentration* 120 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

2111211 0037

SampleID : AC69212-002 Operator : SG Qt Meth : 3M_A1026.M
Data File: 3M20738.D Sam Mult : 1 Vial# : 19 Qt On : 11/13/12 13:33
Acq On : 11/13/12 13:21 Misc : A,5ML!2 Qt Upd On: 10/27/12 10:55

Data Path : G:\GcMsData\2012\gcms_3\Data\11-13-12\
Qt Path : G:\GCMSDATA\2012\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.486	96	385674	30.00	ug/l	-0.02
52) Chlorobenzene-d5	6.292	117	286615	30.00	ug/l	-0.02
70) 1,4-Dichlorobenzene-d4	7.700	152	139302	30.00	ug/l	-0.02
System Monitoring Compounds						
37) Dibromofluoromethane	4.052	111	126348	31.36	ug/l	-0.02
Spiked Amount 30.000			Recovery = 104.53%			
39) 1,2-Dichloroethane-d4	4.281	67	69780	30.62	ug/l	-0.01
Spiked Amount 30.000			Recovery = 102.07%			
66) Toluene-d8	5.431	98	368419	27.74	ug/l	-0.02
Spiked Amount 30.000			Recovery = 92.47%			
76) Bromofluorobenzene	6.990	174	126863	29.89	ug/l	-0.01
Spiked Amount 30.000			Recovery = 99.63%			
Target Compounds						Qvalue
30) cis-1,2-Dichloroethene	3.709	61	46532	7.6098	ug/l	80
49) Trichloroethene	4.708	130	231510	65.7480	ug/l	94
65) Tetrachloroethene	5.798	164	142039	50.9907	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

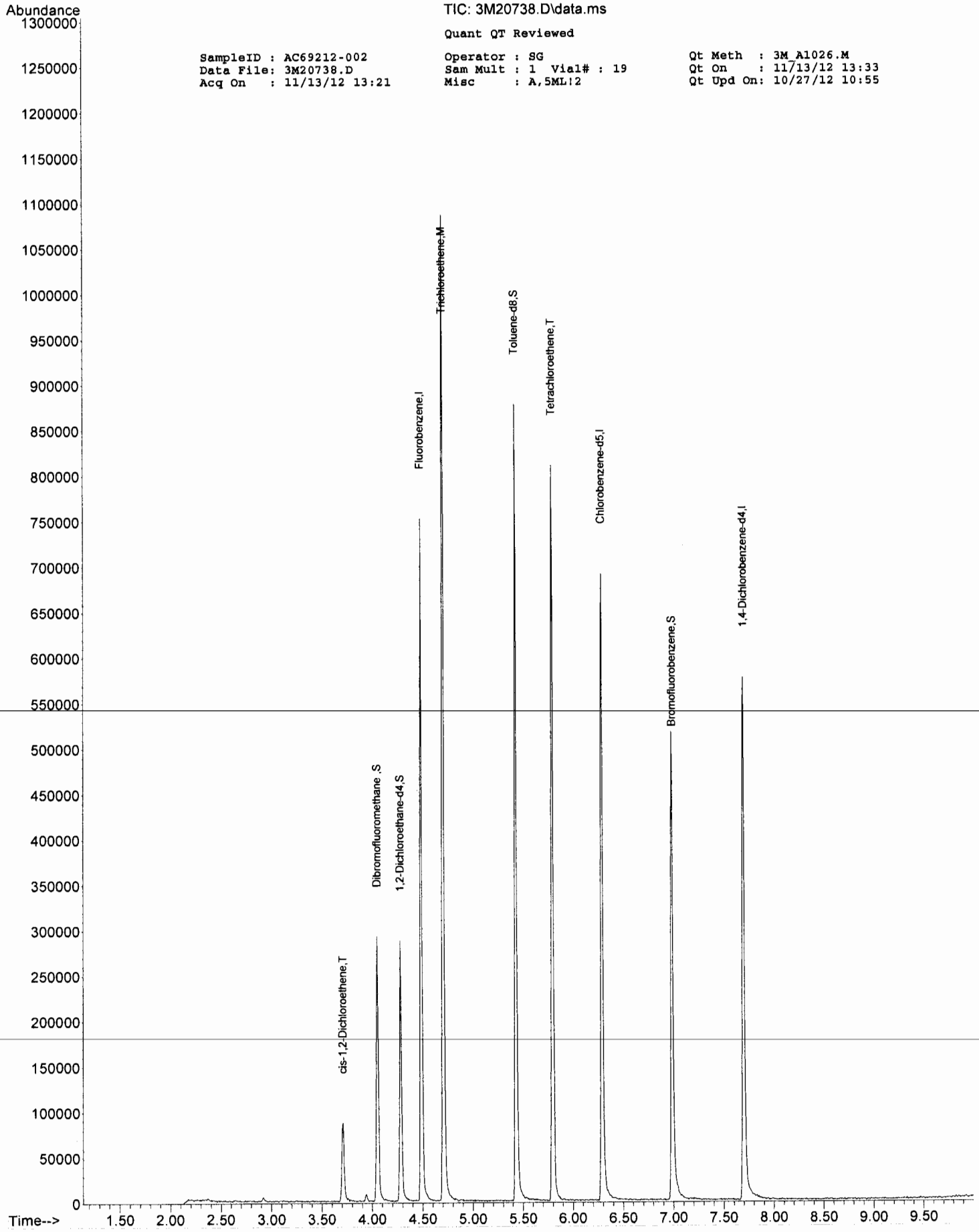
TIC: 3M20738.D\data.ms

Quant QT Reviewed

SampleID : AC69212-002
Data File: 3M20738.D
Acq On : 11/13/12 13:21

Operator : SG
Sam Mult : 1 Vial# : 19
Misc : A,5ML!2

Qt Meth : 3M_A1026.M
Qt On : 11/13/12 13:33
Qt Upd On: 10/27/12 10:55



Form1

ORGANICS VOLATILE REPORT

Sample Number: AC69212-003
Client Id: MW-3
Data File: 3M20739.D
Analysis Date: 11/13/12 13:37
Date Rec/Extracted: 11/12/12-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U	124-48-1	Dibromochloromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	100-41-4	Ethylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U	136777612	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2	Methylene Chloride	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
106-46-7	1,4-Dichlorobenzene	1.0	U	104-51-8	n-Butylbenzene	1.0	U
123-91-1	1,4-Dioxane	50	U	103-65-1	n-Propylbenzene	1.0	U
78-93-3	2-Butanone	1.0	U	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	U	135-98-8	sec-Butylbenzene	1.0	U
591-78-6	2-Hexanone	1.0	U	100-42-5	Styrene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	98-06-6	t-Butylbenzene	1.0	U
67-64-1	Acetone	10	U	**127-18-4**	**Tetrachloroethene**	**1.0**	**4.7**
107-02-8	Acrolein	5.0	U	108-88-3	Toluene	1.0	U
107-13-1	Acrylonitrile	2.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	**79-01-6**	**Trichloroethene**	**1.0**	**40**
75-25-2	Bromoform	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
74-83-9	Bromomethane	1.0	U	75-01-4	Vinyl Chloride	1.0	U
75-15-0	Carbon Disulfide	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

Worksheet #: 245854

Total Target Concentration

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

2111211 0040

SampleID : AC69212-003 Operator : SG Qt Meth : 3M_A1026.M
Data File: 3M20739.D Sam Mult : 1 Vial# : 20 Qt On : 11/13/12 14:01
Acq On : 11/13/12 13:37 Misc : A,5ML!2 Qt Upd On: 10/27/12 10:55

Data Path : G:\GcMsData\2012\gcms_3\Data\11-13-12\
Qt Path : G:\GCMSDATA\2012\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.485	96	371807	30.00	ug/l	-0.02
52) Chlorobenzene-d5	6.291	117	277754	30.00	ug/l	-0.02
70) 1,4-Dichlorobenzene-d4	7.700	152	138892	30.00	ug/l	-0.02
System Monitoring Compounds						
37) Dibromofluoromethane	4.051	111	123171	31.72	ug/l	-0.02
Spiked Amount 30.000			Recovery = 105.73%			
39) 1,2-Dichloroethane-d4	4.280	67	66755	30.39	ug/l	-0.01
Spiked Amount 30.000			Recovery = 101.30%			
66) Toluene-d8	5.430	98	360332	28.00	ug/l	-0.02
Spiked Amount 30.000			Recovery = 93.33%			
76) Bromofluorobenzene	6.989	174	125888	29.75	ug/l	-0.01
Spiked Amount 30.000			Recovery = 99.17%			
Target Compounds						Qvalue
49) Trichloroethene	4.708	130	135175	39.8210	ug/l	92
65) Tetrachloroethene	5.797	164	12705	4.7065	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

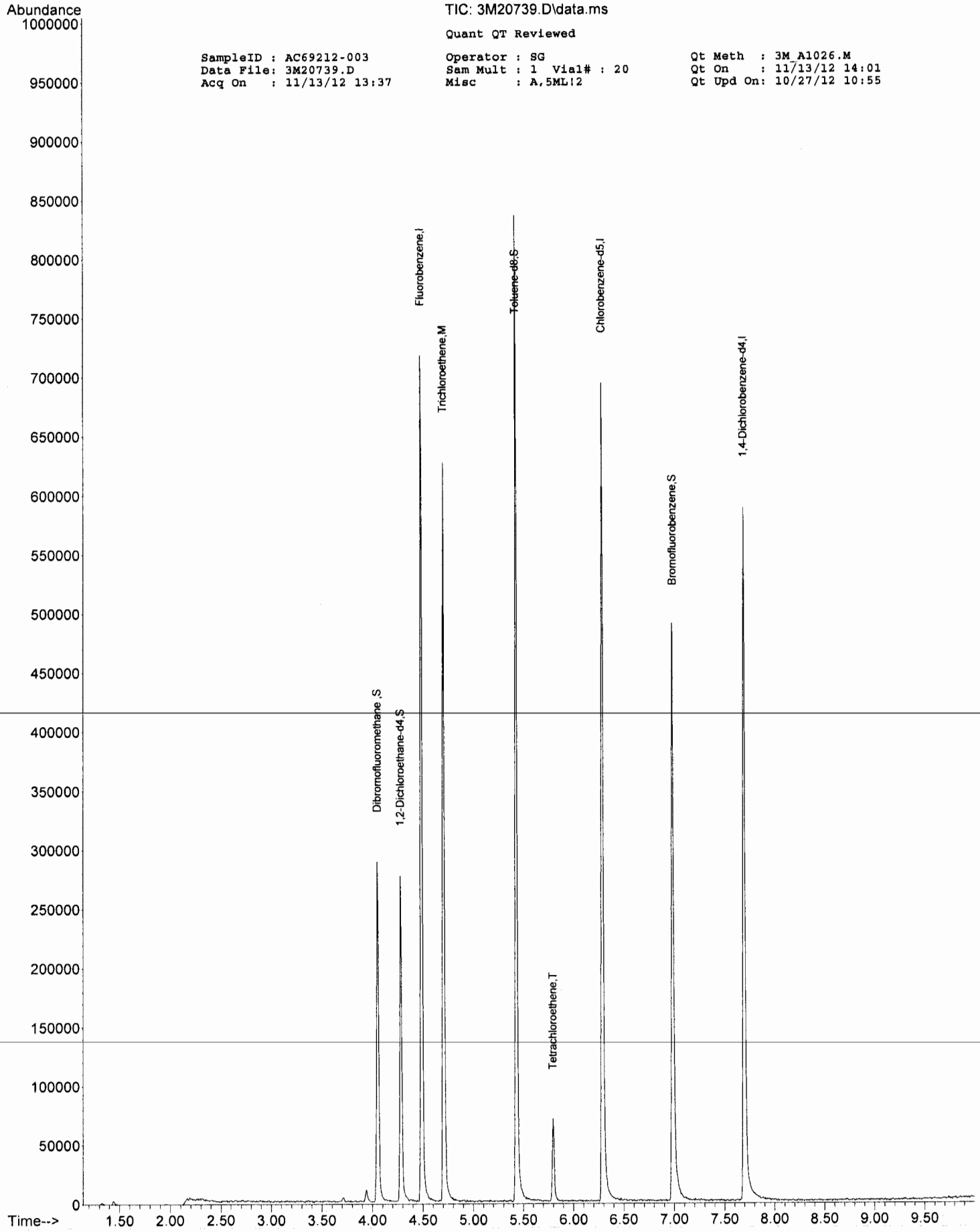
TIC: 3M20739.D\data.ms

Quant QT Reviewed

SampleID : AC69212-003
Data File: 3M20739.D
Acq On : 11/13/12 13:37

Operator : SG
Sam Mult : 1 Vial# : 20
Misc : A,5ML!2

Qt Meth : 3M_A1026.M
Qt On : 11/13/12 14:01
Qt Upd On: 10/27/12 10:55



Form1

ORGANICS VOLATILE REPORT

Sample Number: AC69212-004
Client Id: MW-4
Data File: 3M20740.D
Analysis Date: 11/13/12 13:54
Date Rec/Extracted: 11/12/12-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U	124-48-1	Dibromochloromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	100-41-4	Ethylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U	136777612	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2	Methylene Chloride	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
106-46-7	1,4-Dichlorobenzene	1.0	U	104-51-8	n-Butylbenzene	1.0	U
123-91-1	1,4-Dioxane	50	U	103-65-1	n-Propylbenzene	1.0	U
78-93-3	2-Butanone	1.0	U	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	U	135-98-8	sec-Butylbenzene	1.0	U
591-78-6	2-Hexanone	1.0	U	100-42-5	Styrene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	98-06-6	t-Butylbenzene	1.0	U
67-64-1	Acetone	10	U	127-18-4	Tetrachloroethene	1.0	U
107-02-8	Acrolein	5.0	U	108-88-3	Toluene	1.0	U
107-13-1	Acrylonitrile	2.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	**79-01-6**	**Trichloroethene**	**1.0**	**4.3**
75-25-2	Bromoform	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
74-83-9	Bromomethane	1.0	U	75-01-4	Vinyl Chloride	1.0	U
75-15-0	Carbon Disulfide	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

Worksheet #: 245854

Total Target Concentration 4.3

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

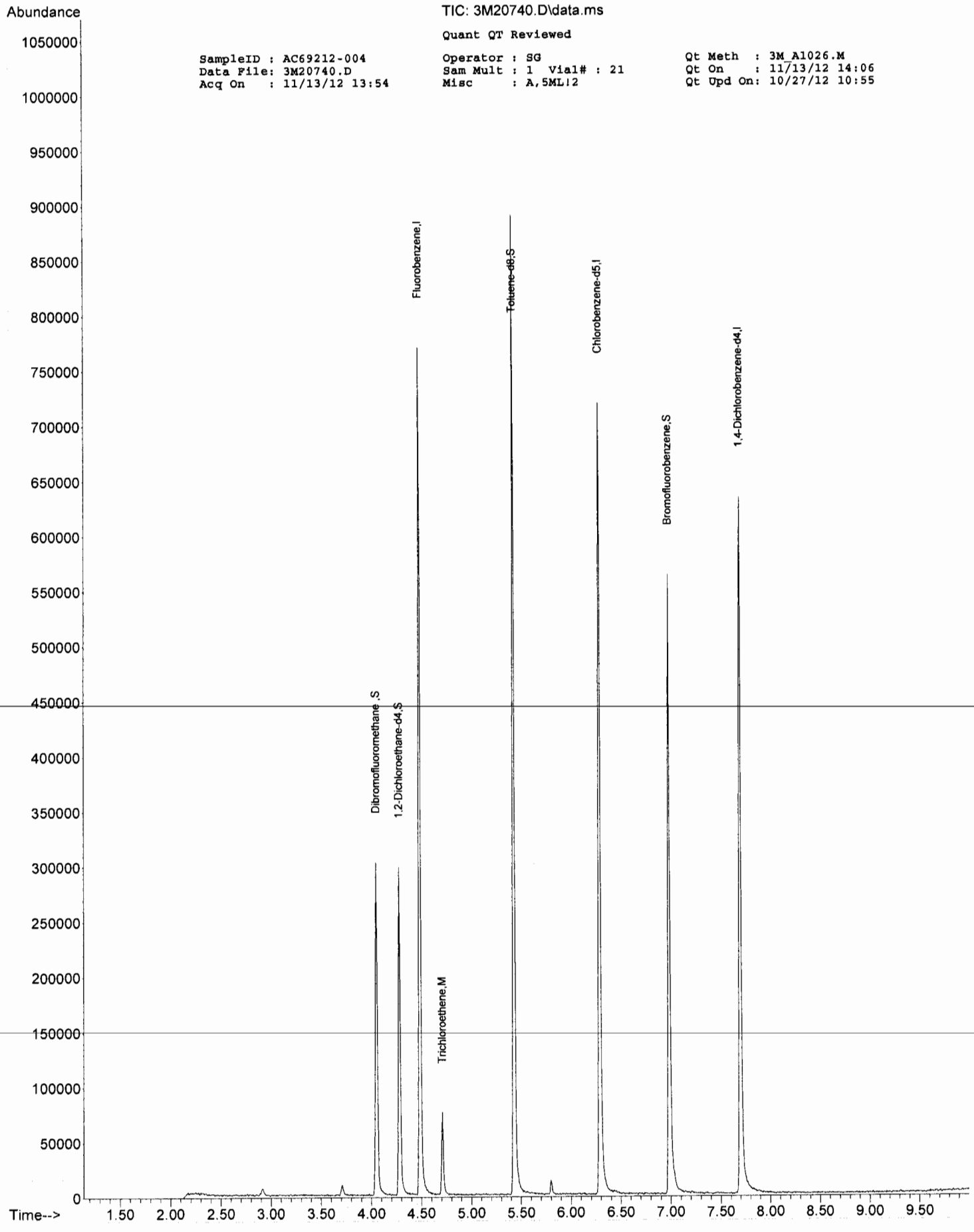
2111211 0043

SampleID : AC69212-004 Operator : SG Qt Meth : 3M_A1026.M
Data File: 3M20740.D Sam Mult : 1 Vial# : 21 Qt On : 11/13/12 14:06
Acq On : 11/13/12 13:54 Misc : A,5ML!2 Qt Upd On: 10/27/12 10:55

Data Path : G:\GcMsData\2012\gcms_3\Data\11-13-12\
Qt Path : G:\GCMSDATA\2012\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.486	96	398348	30.00	ug/l	-0.02
52) Chlorobenzene-d5	6.292	117	294506	30.00	ug/l	-0.02
70) 1,4-Dichlorobenzene-d4	7.701	152	150210	30.00	ug/l	-0.02
System Monitoring Compounds						
37) Dibromofluoromethane	4.052	111	130104	31.27	ug/l	-0.02
Spiked Amount 30.000			Recovery = 104.23%			
39) 1,2-Dichloroethane-d4	4.281	67	73124	31.07	ug/l	-0.01
Spiked Amount 30.000			Recovery = 103.57%			
66) Toluene-d8	5.431	98	377739	27.68	ug/l	-0.02
Spiked Amount 30.000			Recovery = 92.27%			
76) Bromofluorobenzene	6.984	174	132784	29.01	ug/l	-0.02
Spiked Amount 30.000			Recovery = 96.70%			
Target Compounds						Qvalue
49) Trichloroethene	4.709	130	15645	4.3018	ug/l	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 3M20740.D\data.ms
Quant QT Reviewed
SampleID : AC69212-004
Data File: 3M20740.D
Acq On : 11/13/12 13:54
Operator : SG
Sam Mult : 1 Vial# : 21
Misc : A,5ML!2
Qt Meth : 3M_A1026.M
Qt On : 11/13/12 14:06
Qt Upd On: 10/27/12 10:55
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC69212-005
Client Id: MW-5
Data File: 1M93824.D
Analysis Date: 11/13/12 12:16
Date Rec/Extracted: 11/12/12-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U	124-48-1	Dibromochloromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	100-41-4	Ethylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U	136777612	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2	Methylene Chloride	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
106-46-7	1,4-Dichlorobenzene	1.0	U	104-51-8	n-Butylbenzene	1.0	U
123-91-1	1,4-Dioxane	50	U	103-65-1	n-Propylbenzene	1.0	U
78-93-3	2-Butanone	1.0	U	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	U	135-98-8	sec-Butylbenzene	1.0	U
591-78-6	2-Hexanone	1.0	U	100-42-5	Styrene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	98-06-6	t-Butylbenzene	1.0	U
67-64-1	Acetone	10	U	127-18-4	Tetrachloroethene	1.0	U
107-02-8	Acrolein	5.0	U	108-88-3	Toluene	1.0	U
107-13-1	Acrylonitrile	2.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	79-01-6	Trichloroethene	1.0	U
75-25-2	Bromoform	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
74-83-9	Bromomethane	1.0	U	75-01-4	Vinyl Chloride	1.0	U
75-15-0	Carbon Disulfide	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

Worksheet #: 245854

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

2111211 0046

SampleID : AC69212-005 Operator : SG Qt Meth : 1M_A1107.M
Data File: 1M93824.D Sam Mult : 1 Vial# : 15 Qt On : 11/13/12 12:27
Acq On : 11/13/12 12:16 Misc : A,5ML!2 Qt Upd On: 11/07/12 15:15

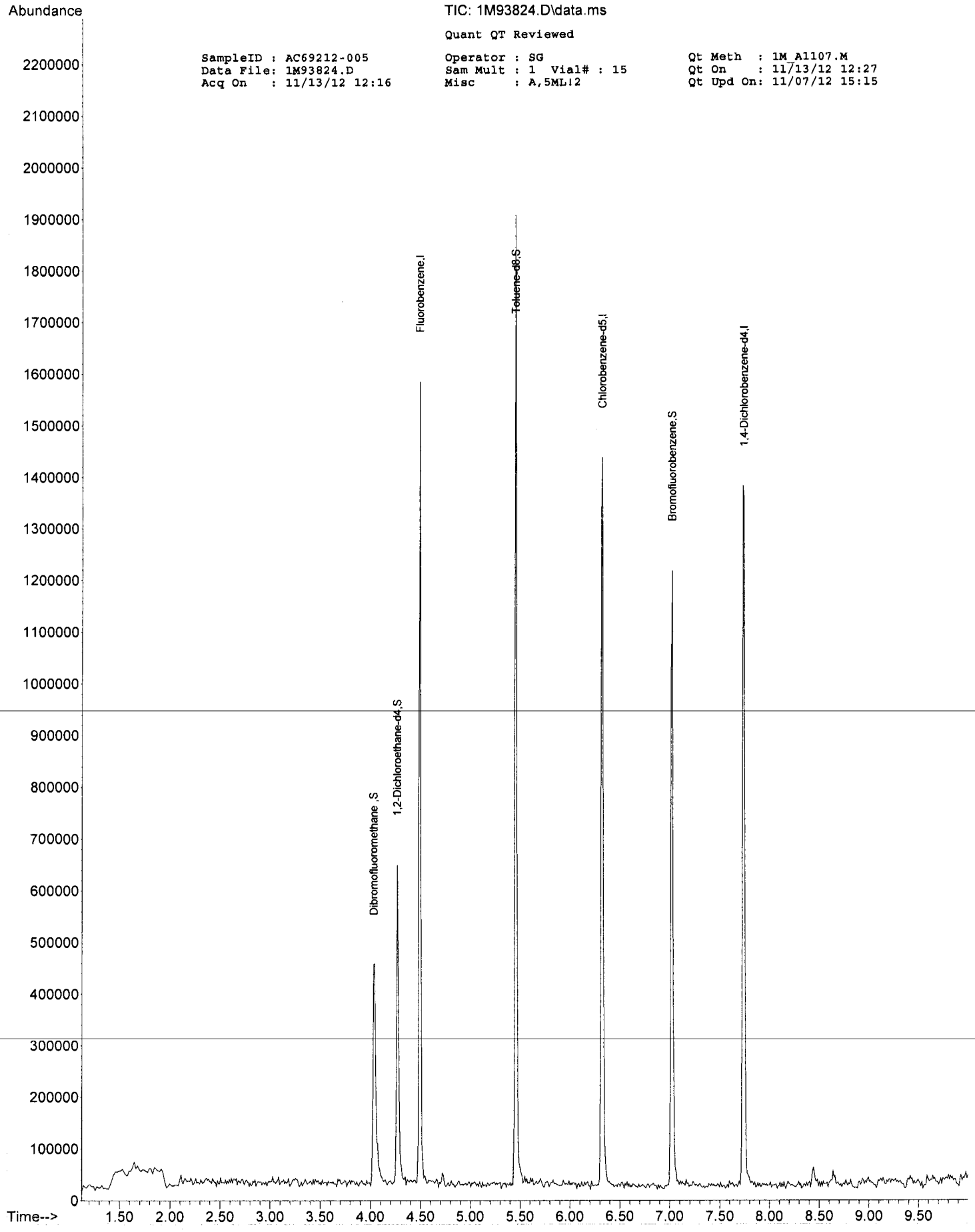
Data Path : G:\GcMsData\2012\gcms_1\Data\11-13-12\
Qt Path : G:\GcMsData\2012\gcms_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.494	96	778292	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.326	117	572436	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.743	152	342638	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.031	111	240210	28.97	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.57%			
39) 1,2-Dichloroethane-d4	4.268	67	160831	29.73	ug/l	-0.02
Spiked Amount 30.000			Recovery = 99.10%			
66) Toluene-d8	5.459	98	819923	30.30	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.00%			
76) Bromofluorobenzene	7.025	174	302778	29.13	ug/l	-0.01
Spiked Amount 30.000			Recovery = 97.10%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

1G


Abundance
TIC: 1M93824.D\data.ms
Quant QT Reviewed
SampleID : AC69212-005
Data File: 1M93824.D
Acq On : 11/13/12 12:16
Operator : SG
Sam Mult : 1 Vial# : 15
Misc : A,5ML!2
Qt Meth : 1M_A1107.M
Qt On : 11/13/12 12:27
Qt Upd On: 11/07/12 15:15
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC69212-006
Client Id: MW-6
Data File: 3M20741.D
Analysis Date: 11/13/12 14:10
Date Rec/Extracted: 11/12/12-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	**156-59-2**	**cis-1,2-Dichloroethene**	**1.0**	**3.1**
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U	124-48-1	Dibromochloromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	100-41-4	Ethylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U	136777612	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2	Methylene Chloride	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
106-46-7	1,4-Dichlorobenzene	1.0	U	104-51-8	n-Butylbenzene	1.0	U
123-91-1	1,4-Dioxane	50	U	103-65-1	n-Propylbenzene	1.0	U
78-93-3	2-Butanone	1.0	U	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	U	135-98-8	sec-Butylbenzene	1.0	U
591-78-6	2-Hexanone	1.0	U	100-42-5	Styrene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	98-06-6	t-Butylbenzene	1.0	U
67-64-1	Acetone	10	U	**127-18-4**	**Tetrachloroethene**	**1.0**	**37**
107-02-8	Acrolein	5.0	U	108-88-3	Toluene	1.0	U
107-13-1	Acrylonitrile	2.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	**79-01-6**	**Trichloroethene**	**1.0**	**45**
75-25-2	Bromoform	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
74-83-9	Bromomethane	1.0	U	75-01-4	Vinyl Chloride	1.0	U
75-15-0	Carbon Disulfide	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

Worksheet #: 245854 *Total Target Concentration* 85 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

2111211 0049

SampleID : AC69212-006 Operator : SG Qt Meth : 3M_A1026.M
Data File: 3M20741.D Sam Mult : 1 Vial# : 22 Qt On : 11/13/12 14:40
Acq On : 11/13/12 14:10 Misc : A,5ML!2 Qt Upd On: 10/27/12 10:55

Data Path : G:\GcMsData\2012\gcms_3\Data\11-13-12\
Qt Path : G:\GCMSDATA\2012\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.491	96	407264	30.00	ug/l	-0.01
52) Chlorobenzene-d5	6.291	117	305250	30.00	ug/l	-0.02
70) 1,4-Dichlorobenzene-d4	7.699	152	153292	30.00	ug/l	-0.02
System Monitoring Compounds						
37) Dibromofluoromethane	4.051	111	135270	31.80	ug/l	-0.02
Spiked Amount 30.000			Recovery = 106.00%			
39) 1,2-Dichloroethane-d4	4.286	67	72463	30.12	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.40%			
66) Toluene-d8	5.430	98	390065	27.58	ug/l	-0.02
Spiked Amount 30.000			Recovery = 91.93%			
76) Bromofluorobenzene	6.989	174	135402	28.99	ug/l	-0.01
Spiked Amount 30.000			Recovery = 96.63%			
Target Compounds						Qvalue
30) cis-1,2-Dichloroethene	3.708	61	19959	3.0911	ug/l	83
49) Trichloroethene	4.707	130	169170	45.4968	ug/l	94
65) Tetrachloroethene	5.797	164	111037	37.4278	ug/l	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Ka

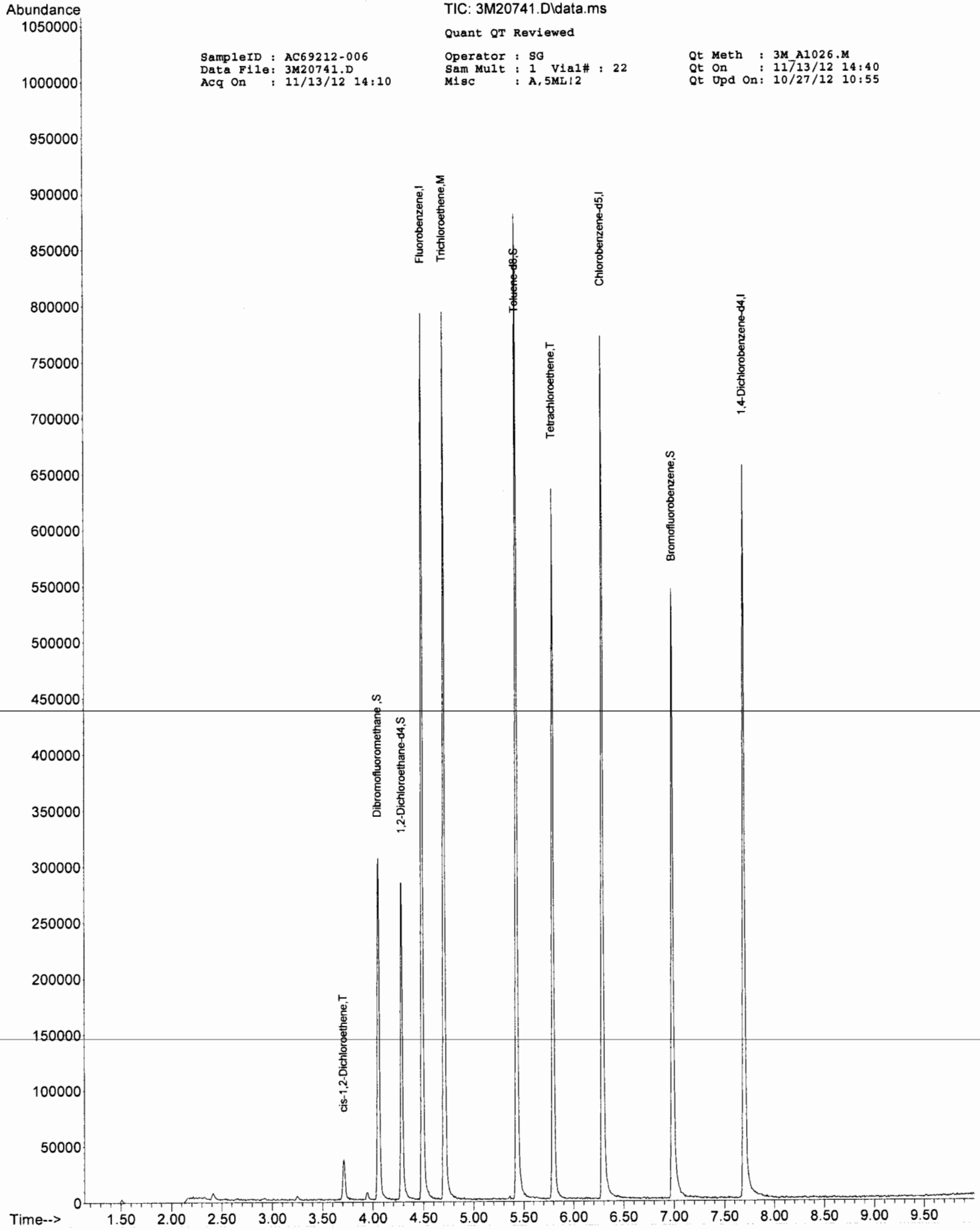
TIC: 3M20741.D\data.ms

Quant QT Reviewed

SampleID : AC69212-006
Data File: 3M20741.D
Acq On : 11/13/12 14:10

Operator : SG
Sam Mult : 1 Vial# : 22
Misc : A,5ML!2

Qt Meth : 3M_A1026.M
Qt On : 11/13/12 14:40
Qt Upd On: 10/27/12 10:55



Form1

ORGANICS VOLATILE REPORT

Sample Number: AC69212-007
Client Id: MW-7
Data File: 3M20742.D
Analysis Date: 11/13/12 14:27
Date Rec/Extracted: 11/12/12-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U	124-48-1	Dibromochloromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	100-41-4	Ethylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U	136777612	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2	Methylene Chloride	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
106-46-7	1,4-Dichlorobenzene	1.0	U	104-51-8	n-Butylbenzene	1.0	U
123-91-1	1,4-Dioxane	50	U	103-65-1	n-Propylbenzene	1.0	U
78-93-3	2-Butanone	1.0	U	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	U	135-98-8	sec-Butylbenzene	1.0	U
591-78-6	2-Hexanone	1.0	U	100-42-5	Styrene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U	**75-65-0**	**t-Butyl Alcohol**	**5.0**	**5.2**
108-10-1	4-Methyl-2-Pentanone	1.0	U	98-06-6	t-Butylbenzene	1.0	U
67-64-1	Acetone	10	U	127-18-4	Tetrachloroethene	1.0	U
107-02-8	Acrolein	5.0	U	108-88-3	Toluene	1.0	U
107-13-1	Acrylonitrile	2.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	79-01-6	Trichloroethene	1.0	U
75-25-2	Bromoform	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
74-83-9	Bromomethane	1.0	U	75-01-4	Vinyl Chloride	1.0	U
75-15-0	Carbon Disulfide	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

Worksheet #: 245854 ***Total Target Concentration*** 5.2 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

Quantitation Report (QT Reviewed)

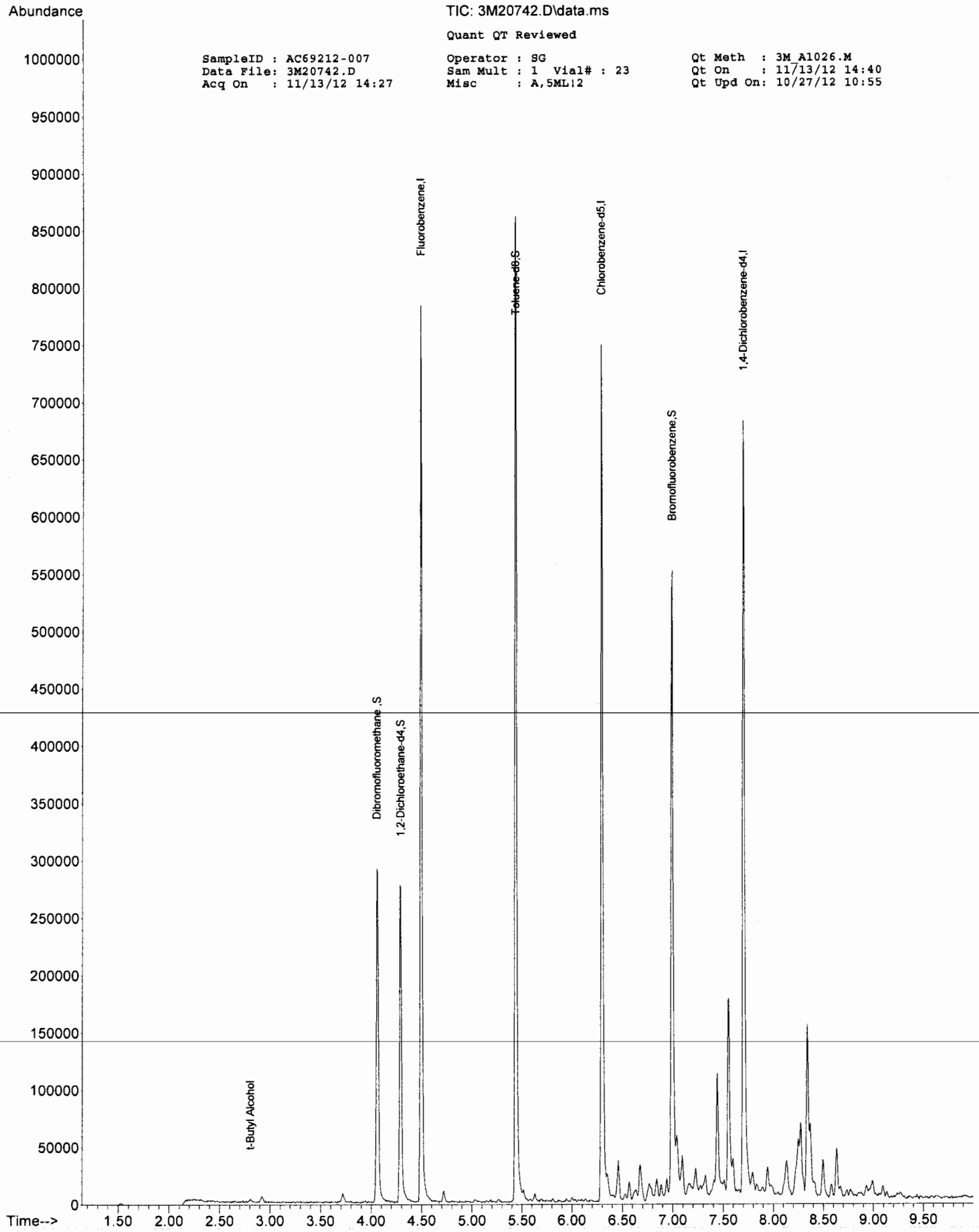
2111211 0052

SampleID : AC69212-007 Operator : SG Qt Meth : 3M_A1026.M
Data File: 3M20742.D Sam Mult : 1 Vial# : 23 Qt On : 11/13/12 14:40
Acq On : 11/13/12 14:27 Misc : A,5ML!2 Qt Upd On: 10/27/12 10:55

Data Path : G:\GcMsData\2012\gcms_3\Data\11-13-12\
Qt Path : G:\GCMSDATA\2012\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.498	96	409876	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.298	117	301446	30.00	ug/l	-0.01
70) 1,4-Dichlorobenzene-d4	7.706	152	156776	30.00	ug/l	-0.01
System Monitoring Compounds						
37) Dibromofluoromethane	4.058	111	134075	31.32	ug/l	-0.01
Spiked Amount 30.000			Recovery = 104.40%			
39) 1,2-Dichloroethane-d4	4.293	67	73603	30.40	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.33%			
66) Toluene-d8	5.443	98	390095	27.93	ug/l	0.00
Spiked Amount 30.000			Recovery = 93.10%			
76) Bromofluorobenzene	6.996	174	138282	28.95	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.50%			
Target Compounds						Qvalue
21) t-Butyl Alcohol	2.806	59	1113	5.2448	ug/l	85

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 3M20742.D\data.ms
Quant QT Reviewed
SampleID : AC69212-007
Data File: 3M20742.D
Acq On : 11/13/12 14:27
Operator : SG
Sam Mult : 1 Vial# : 23
Misc : A,5ML,2
Qt Meth : 3M_A1026.M
Qt On : 11/13/12 14:40
Qt Upd On: 10/27/12 10:55
t-Butyl Alcohol
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC69212-008
Client Id: FB
Data File: 3M20730.D
Analysis Date: 11/13/12 11:09
Date Rec/Extracted: 11/12/12-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U	124-48-1	Dibromochloromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	100-41-4	Ethylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U	136777612	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2	Methylene Chloride	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
106-46-7	1,4-Dichlorobenzene	1.0	U	104-51-8	n-Butylbenzene	1.0	U
123-91-1	1,4-Dioxane	50	U	103-65-1	n-Propylbenzene	1.0	U
78-93-3	2-Butanone	1.0	U	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	U	135-98-8	sec-Butylbenzene	1.0	U
591-78-6	2-Hexanone	1.0	U	100-42-5	Styrene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	98-06-6	t-Butylbenzene	1.0	U
67-64-1	Acetone	10	U	127-18-4	Tetrachloroethene	1.0	U
107-02-8	Acrolein	5.0	U	108-88-3	Toluene	1.0	U
107-13-1	Acrylonitrile	2.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	79-01-6	Trichloroethene	1.0	U
75-25-2	Bromoform	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
74-83-9	Bromomethane	1.0	U	75-01-4	Vinyl Chloride	1.0	U
75-15-0	Carbon Disulfide	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

Worksheet #: 245854

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

2111211 0055

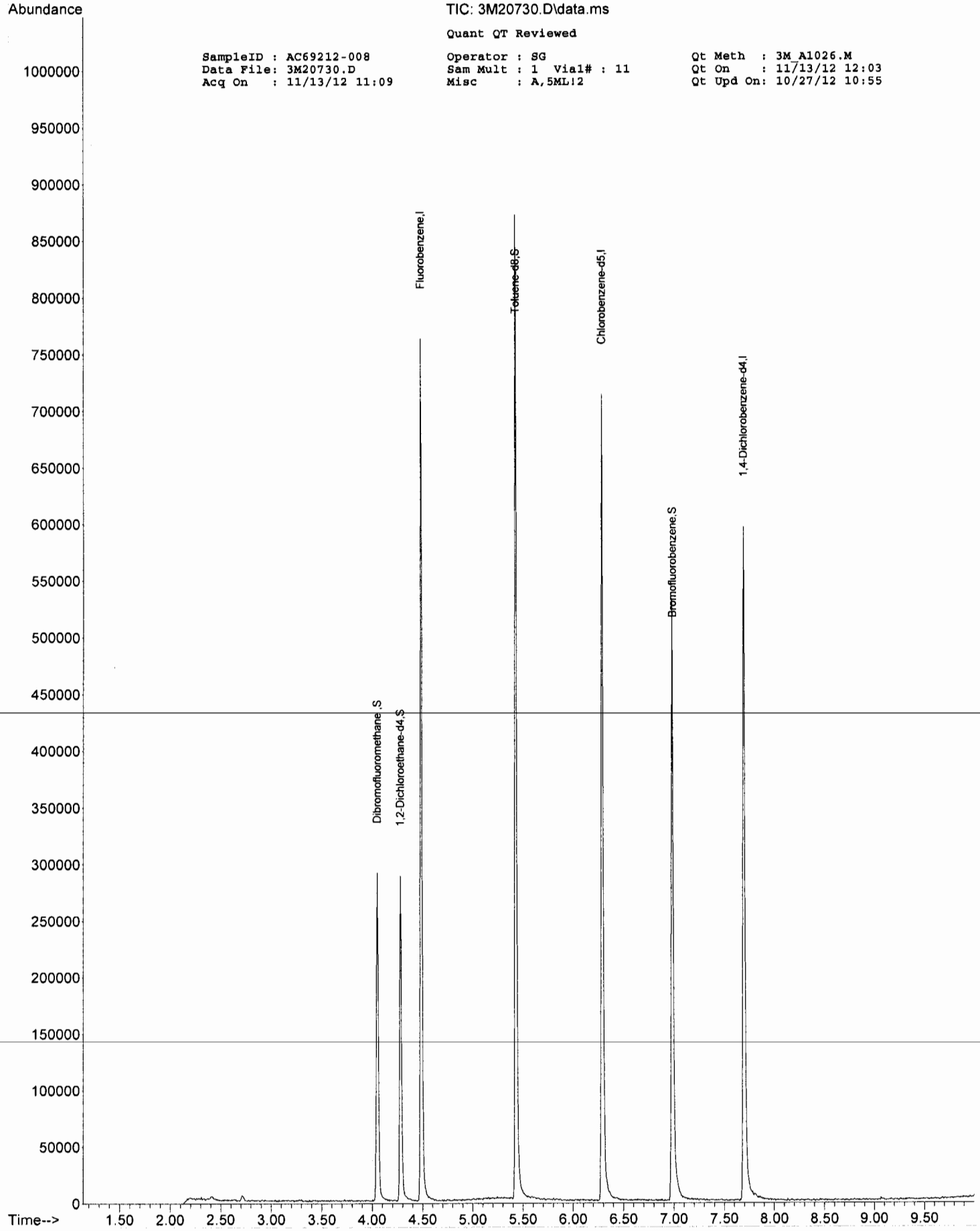
SampleID : AC69212-008 Operator : SG Qt Meth : 3M_A1026.M
Data File: 3M20730.D Sam Mult : 1 Vial# : 11 Qt On : 11/13/12 12:03
Acq On : 11/13/12 11:09 Misc : A,5ML!2 Qt Upd On: 10/27/12 10:55

Data Path : G:\GcMsData\2012\gcms_3\Data\11-13-12\
Qt Path : G:\GCMSDATA\2012\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
4) Fluorobenzene	4.485	96	391760	30.00 ug/l	-0.02
52) Chlorobenzene-d5	6.291	117	287198	30.00 ug/l	-0.02
70) 1,4-Dichlorobenzene-d4	7.700	152	143109	30.00 ug/l	-0.02
System Monitoring Compounds					
37) Dibromofluoromethane	4.052	111	126577	30.93 ug/l	-0.02
Spiked Amount 30.000			Recovery = 103.10%		
39) 1,2-Dichloroethane-d4	4.281	67	70628	30.52 ug/l	-0.01
Spiked Amount 30.000			Recovery = 101.73%		
66) Toluene-d8	5.431	98	369829	27.79 ug/l	-0.02
Spiked Amount 30.000			Recovery = 92.63%		
76) Bromofluorobenzene	6.990	174	130543	29.94 ug/l	-0.01
Spiked Amount 30.000			Recovery = 99.80%		

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 3M20730.D\data.ms
Quant QT Reviewed
SampleID : AC69212-008
Data File: 3M20730.D
Acq On : 11/13/12 11:09
Operator : SG
Sam Mult : 1 Vial# : 11
Misc : A,5ML!2
Qt Meth : 3M_A1026.M
Qt On : 11/13/12 12:03
Qt Upd On: 10/27/12 10:55
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC69212-009
Client Id: TB
Data File: 3M20731.D
Analysis Date: 11/13/12 11:26
Date Rec/Extracted: 11/12/12-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U	124-48-1	Dibromochloromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	100-41-4	Ethylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U	136777612	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2	Methylene Chloride	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
106-46-7	1,4-Dichlorobenzene	1.0	U	104-51-8	n-Butylbenzene	1.0	U
123-91-1	1,4-Dioxane	50	U	103-65-1	n-Propylbenzene	1.0	U
78-93-3	2-Butanone	1.0	U	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	U	135-98-8	sec-Butylbenzene	1.0	U
591-78-6	2-Hexanone	1.0	U	100-42-5	Styrene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	98-06-6	t-Butylbenzene	1.0	U
67-64-1	Acetone	10	U	127-18-4	Tetrachloroethene	1.0	U
107-02-8	Acrolein	5.0	U	108-88-3	Toluene	1.0	U
107-13-1	Acrylonitrile	2.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	79-01-6	Trichloroethene	1.0	U
75-25-2	Bromoform	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
74-83-9	Bromomethane	1.0	U	75-01-4	Vinyl Chloride	1.0	U
75-15-0	Carbon Disulfide	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

Worksheet #: 245854

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

Quantitation Report (QT Reviewed)

2111211 0058

SampleID : AC69212-009 Operator : SG Qt Meth : 3M_A1026.M
Data File: 3M20731.D Sam Mult : 1 Vial# : 12 Qt On : 11/13/12 12:03
Acq On : 11/13/12 11:26 Misc : A,5ML!2 Qt Upd On: 10/27/12 10:55

Data Path : G:\GcMsData\2012\gcms_3\Data\11-13-12\
Qt Path : G:\GCMSDATA\2012\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.491	96	386550	30.00	ug/l	-0.01
52) Chlorobenzene-d5	6.291	117	283768	30.00	ug/l	-0.02
70) 1,4-Dichlorobenzene-d4	7.699	152	139711	30.00	ug/l	-0.02
System Monitoring Compounds						
37) Dibromofluoromethane	4.051	111	124233	30.77	ug/l	-0.02
Spiked Amount 30.000			Recovery = 102.57%			
39) 1,2-Dichloroethane-d4	4.280	67	69862	30.59	ug/l	-0.01
Spiked Amount 30.000			Recovery = 101.97%			
66) Toluene-d8	5.430	98	369725	28.12	ug/l	-0.02
Spiked Amount 30.000			Recovery = 93.73%			
76) Bromofluorobenzene	6.989	174	128998	30.30	ug/l	-0.01
Spiked Amount 30.000			Recovery = 101.00%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

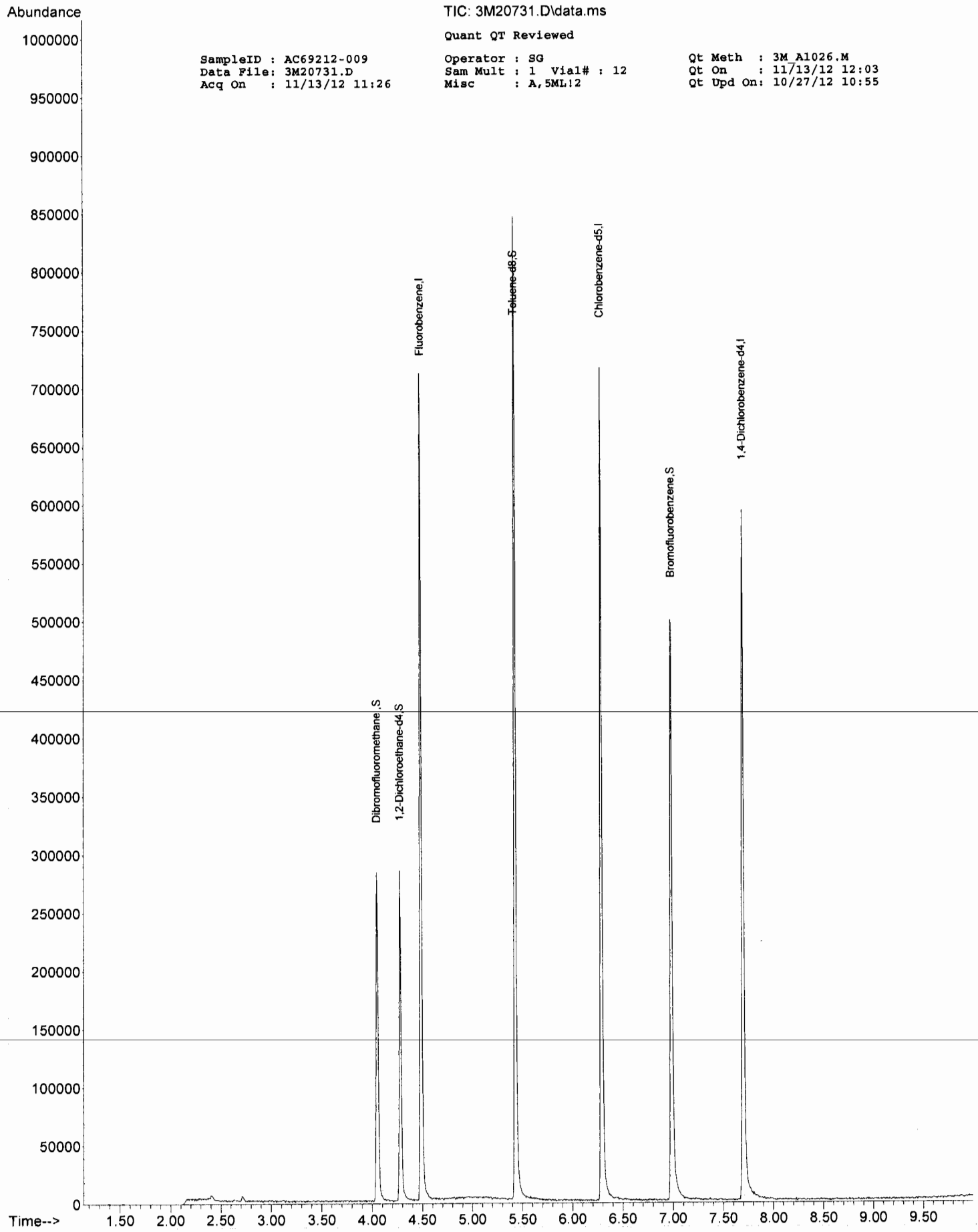
TIC: 3M20731.D\data.ms

Quant QT Reviewed

SampleID : AC69212-009
Data File: 3M20731.D
Acq On : 11/13/12 11:26

Operator : SG
Sam Mult : 1 Vial# : 12
Misc : A,5ML!2

Qt Meth : 3M_A1026.M
Qt On : 11/13/12 12:03
Qt Upd On: 10/27/12 10:55



Form1

ORGANICS VOLATILE REPORT

Sample Number: AC69212-010
Client Id: MW-4(D)
Data File: 3M20743.D
Analysis Date: 11/13/12 14:43
Date Rec/Extracted: 11/12/12-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U	124-48-1	Dibromochloromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	100-41-4	Ethylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U	136777612	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2	Methylene Chloride	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U	**1634-04-4**	**Methyl-t-butyl ether**	**0.50**	**0.51**
106-46-7	1,4-Dichlorobenzene	1.0	U	104-51-8	n-Butylbenzene	1.0	U
123-91-1	1,4-Dioxane	50	U	103-65-1	n-Propylbenzene	1.0	U
78-93-3	2-Butanone	1.0	U	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	U	135-98-8	sec-Butylbenzene	1.0	U
591-78-6	2-Hexanone	1.0	U	100-42-5	Styrene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	98-06-6	t-Butylbenzene	1.0	U
67-64-1	Acetone	10	U	127-18-4	Tetrachloroethene	1.0	U
107-02-8	Acrolein	5.0	U	108-88-3	Toluene	1.0	U
107-13-1	Acrylonitrile	2.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	**79-01-6**	**Trichloroethene**	**1.0**	**4.2**
75-25-2	Bromoform	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
74-83-9	Bromomethane	1.0	U	75-01-4	Vinyl Chloride	1.0	U
75-15-0	Carbon Disulfide	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

Worksheet #: 245854 ***Total Target Concentration*** 4.7 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

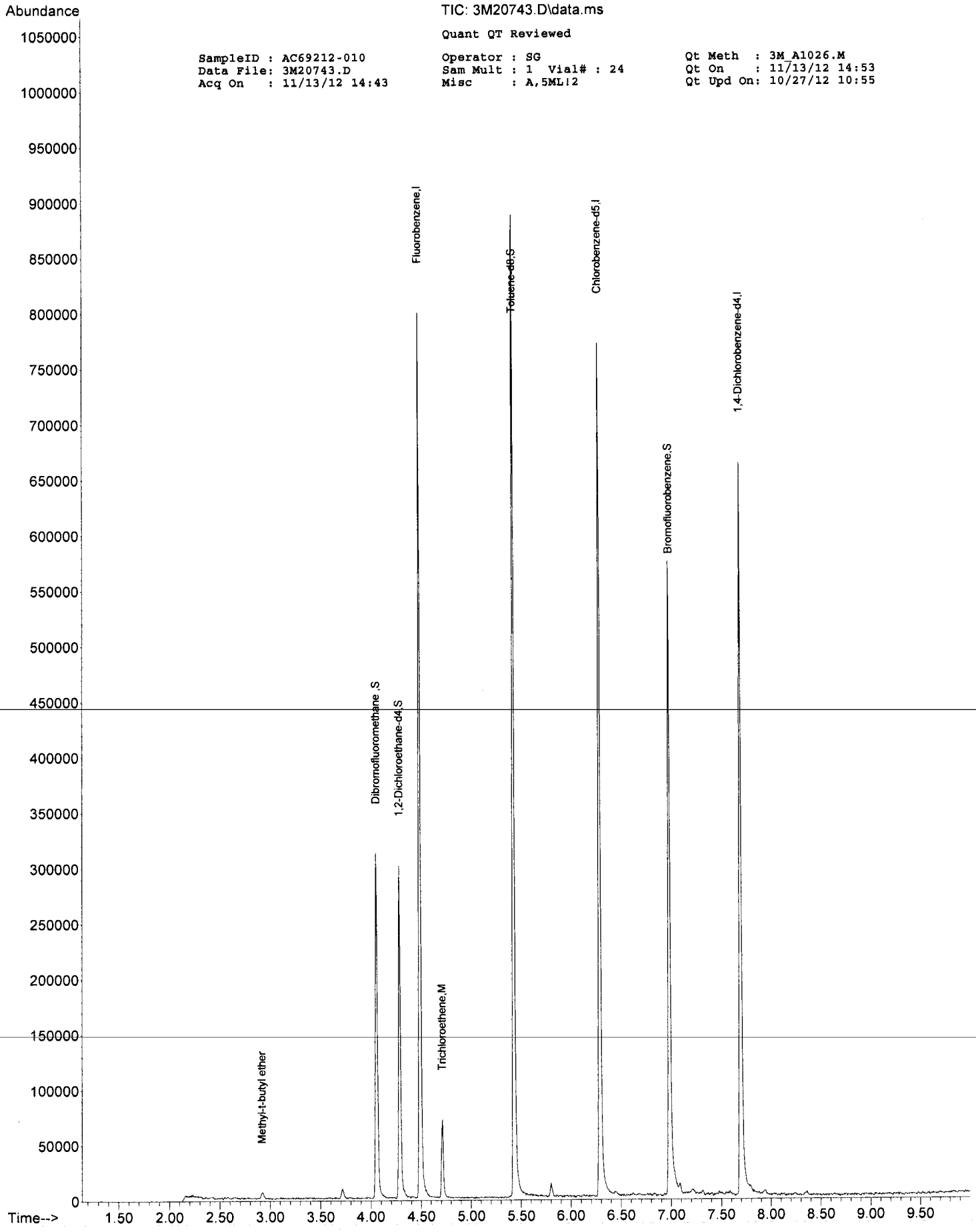
2111211 0061

SampleID : AC69212-010 Operator : SG Qt Meth : 3M_A1026.M
Data File: 3M20743.D Sam Mult : 1 Vial# : 24 Qt On : 11/13/12 14:53
Acq On : 11/13/12 14:43 Misc : A,5ML!2 Qt Upd On: 10/27/12 10:55

Data Path : G:\GcMsData\2012\gcms_3\Data\11-13-12\
Qt Path : G:\GCMSDATA\2012\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.491	96	413089	30.00	ug/l	-0.01
52) Chlorobenzene-d5	6.291	117	307933	30.00	ug/l	-0.02
70) 1,4-Dichlorobenzene-d4	7.700	152	155106	30.00	ug/l	-0.02
System Monitoring Compounds						
37) Dibromofluoromethane	4.057	111	136567	31.65	ug/l	-0.01
Spiked Amount 30.000			Recovery	=	105.50%	
39) 1,2-Dichloroethane-d4	4.286	67	74996	30.73	ug/l	0.00
Spiked Amount 30.000			Recovery	=	102.43%	
66) Toluene-d8	5.436	98	396552	27.79	ug/l	-0.01
Spiked Amount 30.000			Recovery	=	92.63%	
76) Bromofluorobenzene	6.989	174	142258	30.10	ug/l	-0.01
Spiked Amount 30.000			Recovery	=	100.33%	
Target Compounds						Qvalue
26) Methyl-t-butyl ether	2.920	73	3698	0.5131	ug/l	76
49) Trichloroethene	4.714	130	15855	4.2039	ug/l	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 3M20743.D\data.ms
Quant QT Reviewed
SampleID : AC69212-010
Data File: 3M20743.D
Acq On : 11/13/12 14:43
Operator : SG
Sam Mult : 1 Vial# : 24
Misc : A,5ML!2
Qt Meth : 3M_A1026.M
Qt On : 11/13/12 14:53
Qt Upd On: 10/27/12 10:55
Methyl-t-butyl ether
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 3M20726.D
Analysis Date: 11/13/12 10:03
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U	124-48-1	Dibromochloromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	100-41-4	Ethylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U	136777612	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2	Methylene Chloride	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
106-46-7	1,4-Dichlorobenzene	1.0	U	104-51-8	n-Butylbenzene	1.0	U
123-91-1	1,4-Dioxane	50	U	103-65-1	n-Propylbenzene	1.0	U
78-93-3	2-Butanone	1.0	U	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	U	135-98-8	sec-Butylbenzene	1.0	U
591-78-6	2-Hexanone	1.0	U	100-42-5	Styrene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	98-06-6	t-Butylbenzene	1.0	U
67-64-1	Acetone	10	U	127-18-4	Tetrachloroethene	1.0	U
107-02-8	Acrolein	5.0	U	108-88-3	Toluene	1.0	U
107-13-1	Acrylonitrile	2.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	79-01-6	Trichloroethene	1.0	U
75-25-2	Bromoform	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
74-83-9	Bromomethane	1.0	U	75-01-4	Vinyl Chloride	1.0	U
75-15-0	Carbon Disulfide	1.0	U				

Worksheet #: 245854

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

Quantitation Report (QT Reviewed)

2111211 0064

SampleID : DAILY BLANK
Data File: 3M20726.D
Acq On : 11/13/12 10:03

Operator : SG
Sam Mult : 1 Vial# : 7
Misc : A,5ML

Qt Meth : 3M_A1026.M
Qt On : 11/13/12 10:20
Qt Upd On: 10/27/12 10:55

Data Path : G:\GcMsData\2012\gcms_3\Data\11-13-12\
Qt Path : G:\GCMSDATA\2012\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.486	96	385284	30.00	ug/l	-0.02
52) Chlorobenzene-d5	6.292	117	281904	30.00	ug/l	-0.02
70) 1,4-Dichlorobenzene-d4	7.700	152	144423	30.00	ug/l	-0.02
System Monitoring Compounds						
37) Dibromofluoromethane	4.052	111	123752	30.75	ug/l	-0.02
Spiked Amount 30.000			Recovery = 102.50%			
39) 1,2-Dichloroethane-d4	4.281	67	69911	30.71	ug/l	-0.01
Spiked Amount 30.000			Recovery = 102.37%			
66) Toluene-d8	5.431	98	367226	28.12	ug/l	-0.02
Spiked Amount 30.000			Recovery = 93.73%			
76) Bromofluorobenzene	6.984	174	128974	29.31	ug/l	-0.02
Spiked Amount 30.000			Recovery = 97.70%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

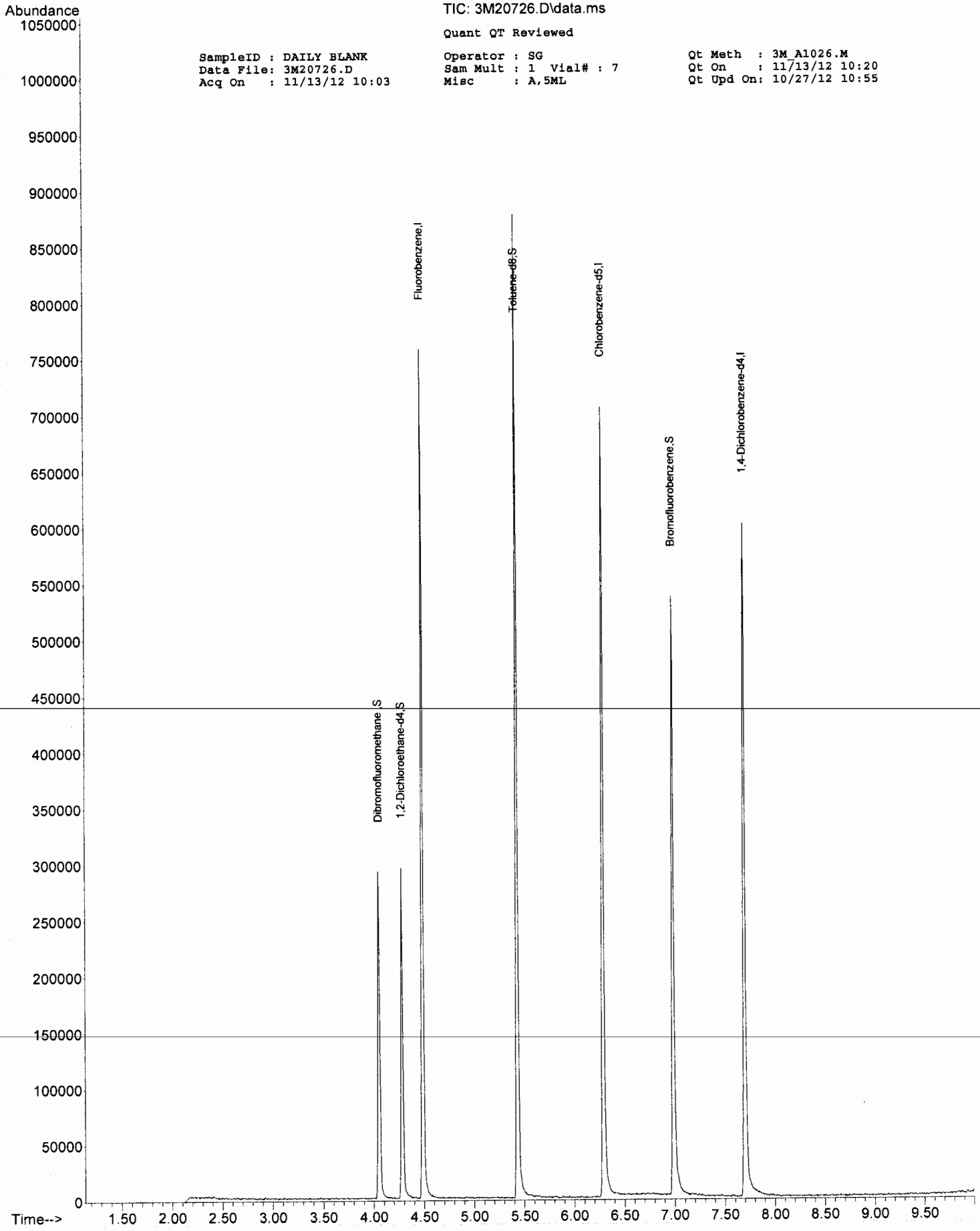
TIC: 3M20726.D\data.ms

Quant QT Reviewed

SampleID : DAILY BLANK
Data File: 3M20726.D
Acq On : 11/13/12 10:03

Operator : SG
Sam Mult : 1 Vial# : 7
Misc : A,5ML

Qt Meth : 3M_A1026.M
Qt On : 11/13/12 10:20
Qt Upd On: 10/27/12 10:55



Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 1M93816.D
Analysis Date: 11/13/12 10:07
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U	124-48-1	Dibromochloromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	100-41-4	Ethylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U	136777612	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2	Methylene Chloride	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
106-46-7	1,4-Dichlorobenzene	1.0	U	104-51-8	n-Butylbenzene	1.0	U
123-91-1	1,4-Dioxane	50	U	103-65-1	n-Propylbenzene	1.0	U
78-93-3	2-Butanone	1.0	U	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	U	135-98-8	sec-Butylbenzene	1.0	U
591-78-6	2-Hexanone	1.0	U	100-42-5	Styrene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	98-06-6	t-Butylbenzene	1.0	U
67-64-1	Acetone	10	U	127-18-4	Tetrachloroethene	1.0	U
107-02-8	Acrolein	5.0	U	108-88-3	Toluene	1.0	U
107-13-1	Acrylonitrile	2.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	79-01-6	Trichloroethene	1.0	U
75-25-2	Bromoform	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
74-83-9	Bromomethane	1.0	U	75-01-4	Vinyl Chloride	1.0	U
75-15-0	Carbon Disulfide	1.0	U				

Worksheet #: 245854

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

2111211 0067

SampleID : DAILY BLANK
Data File: 1M93816.D
Acq On : 11/13/12 10:07

Operator : SG
Sam Mult : 1 Vial# : 7
Misc : A,5ML

Qt Meth : 1M_A1107.M
Qt On : 11/13/12 10:19
Qt Upd On: 11/07/12 15:15

Data Path : G:\GcMsData\2012\gcms_1\Data\11-13-12\
Qt Path : G:\GcMsData\2012\gcms_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.496	96	786320	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.327	117	619834	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.745	152	362922	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.043	111	249520	29.79	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.30%			
39) 1,2-Dichloroethane-d4	4.269	67	166857	30.53	ug/l	-0.02
Spiked Amount 30.000			Recovery = 101.77%			
66) Toluene-d8	5.461	98	825483	28.17	ug/l	0.00
Spiked Amount 30.000			Recovery = 93.90%			
76) Bromofluorobenzene	7.027	174	288672	26.22	ug/l	0.00
Spiked Amount 30.000			Recovery = 87.40%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

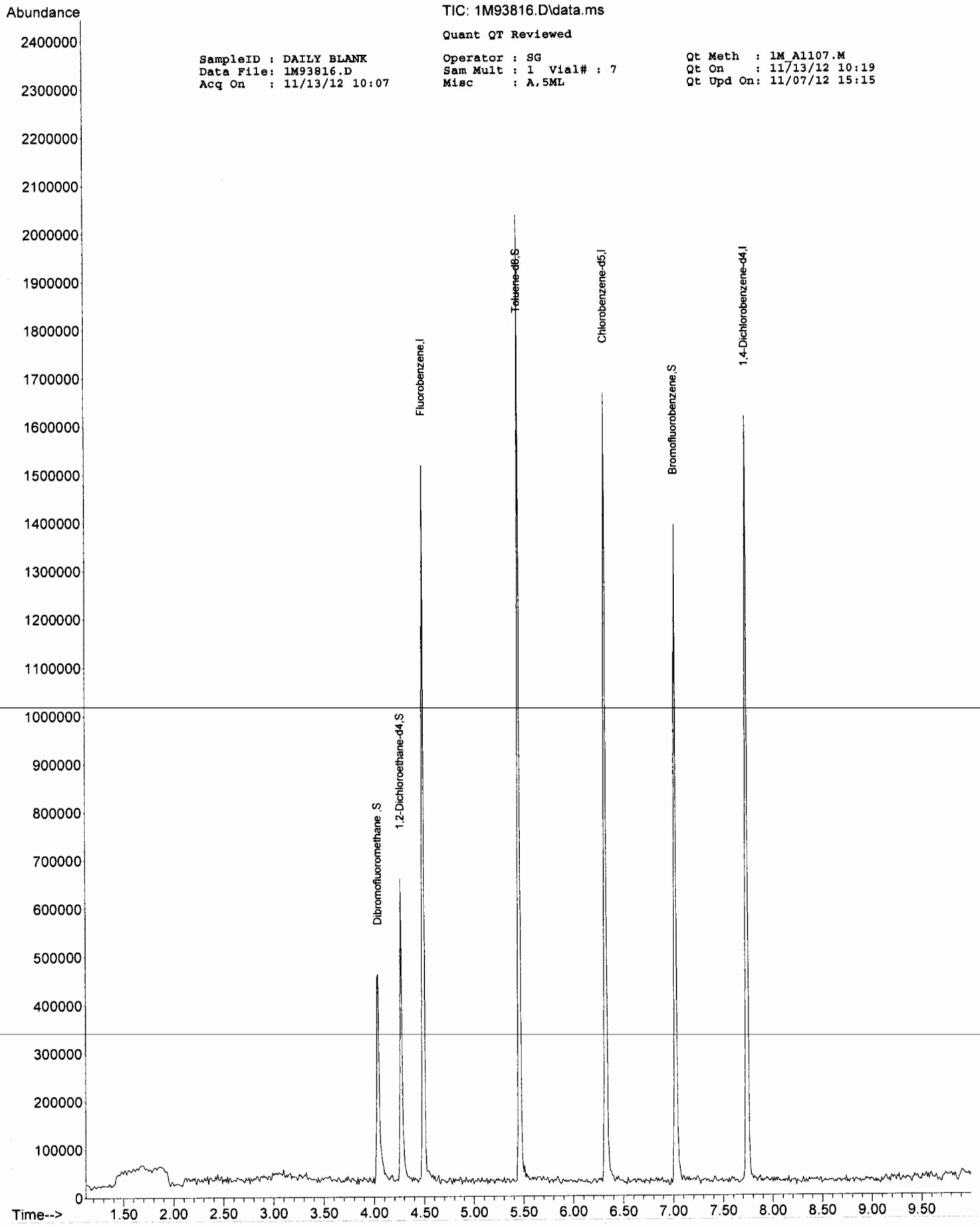
TIC: 1M93816.D\data.ms

Quant QT Reviewed

SampleID : DAILY BLANK
Data File: 1M93816.D
Acq On : 11/13/12 10:07

Operator : SG
Sam Mult : 1 Vial# : 7
Misc : A,5ML

Qt Meth : 1M_A1107.M
Qt On : 11/13/12 10:19
Qt Upd On: 11/07/12 15:15



FORM2

Surrogate Recovery

Method: EPA 8260B

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column0 S5 Recov	Column0 S6 Recov
1M93816.D	DAILY BLANK	Aqueous	11/13/12 10:07	1		99	102	94	87		
3M20454.D	DAILY BLANK	Aqueous	11/08/12 09:54	1		101	101	93	100		
3M20540.D	DAILY BLANK	Aqueous	11/09/12 08:33	1		105	100	92	97		
3M20726.D	DAILY BLANK	Aqueous	11/13/12 10:03	1		103	102	94	98		
3M20737.D	AC69212-001	Aqueous	11/13/12 13:04	1		106	104	92	96		
3M20738.D	AC69212-002	Aqueous	11/13/12 13:21	1		105	102	92	100		
3M20739.D	AC69212-003	Aqueous	11/13/12 13:37	1		106	101	93	99		
3M20740.D	AC69212-004	Aqueous	11/13/12 13:54	1		104	104	92	97		
1M93824.D	AC69212-005	Aqueous	11/13/12 12:16	1		97	99	101	97		
3M20741.D	AC69212-006	Aqueous	11/13/12 14:10	1		106	100	92	97		
3M20742.D	AC69212-007	Aqueous	11/13/12 14:27	1		104	101	93	96		
3M20730.D	AC69212-008	Aqueous	11/13/12 11:09	1		103	102	93	100		
3M20731.D	AC69212-009	Aqueous	11/13/12 11:26	1		103	102	94	101		
3M20743.D	AC69212-010	Aqueous	11/13/12 14:43	1		106	102	93	100		
1M93819.D	MBS22667	Aqueous	11/13/12 10:54	1		87	99	102	92		
1M93835.D	MBS22669	Aqueous	11/13/12 15:23	1		103	107	101	96		
3M20456.D	MBS22608	Aqueous	11/08/12 10:28	1		103	99	92	98		
3M20476.D	AC69059-002	Aqueous	11/08/12 16:03	1		104	99	92	95		
3M20479.D	MBS22613	Aqueous	11/08/12 16:52	1		105	101	93	97		
3M20491.D	MBS22614	Aqueous	11/08/12 20:00	1		102	101	95	100		
3M20558.D	MBS22626	Aqueous	11/09/12 13:20	1		101	102	94	96		
3M20579.D	AC69059-002(	Aqueous	11/09/12 18:48	1		103	100	95	96		
3M20580.D	AC69059-002(	Aqueous	11/09/12 19:03	1		104	99	94	99		
3M20728.D	MBS22665	Aqueous	11/13/12 10:36	1		102	103	94	97		
3M20750.D	MBS22671	Aqueous	11/13/12 16:45	1		103	102	93	97		
3M20759.D	MBS22675	Aqueous	11/13/12 19:05	1		106	103	94	100		
3M20760.D	MBS22676	Aqueous	11/13/12 19:20	1		104	102	94	98		

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: EPA 8260B

Aqueous Limits

Compound	Spike Amt	Limits
S1=Dibromofluoromethane	30	73-131
S2=1,2-Dichloroethane-d4	30	78-128
S3=Toluene-d8	30	79-111
S4=Bromofluorobenzene	30	82-112

Form3
Recovery Data
QC Batch: MBS22608

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M20456.D	MBS22608	11/8/2012 10:28:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	16.608	0	20	83	20	130
1,1-Dichloroethene	1	17.6571	0	20	88	50	130
1,1-Dichloroethane	1	15.8042	0	20	79	50	130
Chloroform	1	16.1902	0	20	81	50	130
1,2-Dichloroethane	1	16.0886	0	20	80	50	130
2-Butanone	1	15.5752	0	20	78	20	130
Carbon Tetrachloride	1	17.8958	0	20	89	50	130
Trichloroethene	1	17.8206	0	20	89	50	130
Benzene	1	16.4851	0	20	82	50	130
Tetrachloroethene	1	17.1549	0	20	86	50	130
Toluene	1	15.4864	0	20	77	50	130
Chlorobenzene	1	15.6655	0	20	78	50	130
1,4-Dichlorobenzene	1	14.9552	0	20	75	50	130
1,2-Dichlorobenzene	1	15.486	0	20	77	50	130
n-Propylbenzene	1	14.9711	0	20	75	50	130
sec-Butylbenzene	1	15.1785	0	20	76	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS22613

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M20479.D	MBS22613	11/8/2012 4:52:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	16.7864	0	20	84	20	130
1,1-Dichloroethene	1	16.4053	0	20	82	50	130
1,1-Dichloroethane	1	16.6451	0	20	83	50	130
Chloroform	1	17.3675	0	20	87	50	130
1,2-Dichloroethane	1	16.2455	0	20	81	50	130
2-Butanone	1	15.1026	0	20	76	20	130
Carbon Tetrachloride	1	18.7402	0	20	94	50	130
Trichloroethene	1	18.9999	0	20	95	50	130
Benzene	1	16.7624	0	20	84	50	130
Tetrachloroethene	1	17.5048	0	20	88	50	130
Toluene	1	16.1416	0	20	81	50	130
Chlorobenzene	1	16.1163	0	20	81	50	130
1,4-Dichlorobenzene	1	15.1579	0	20	76	50	130
1,2-Dichlorobenzene	1	15.5348	0	20	78	50	130
n-Propylbenzene	1	15.5809	0	20	78	50	130
sec-Butylbenzene	1	15.5529	0	20	78	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS22614

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M20491.D	MBS22614	11/8/2012 8:00:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	13.4927	0	20	67	20	130
1,1-Dichloroethene	1	15.432	0	20	77	50	130
1,1-Dichloroethane	1	14.4473	0	20	72	50	130
Chloroform	1	14.9165	0	20	75	50	130
1,2-Dichloroethane	1	14.501	0	20	73	50	130
2-Butanone	1	13.4281	0	20	67	20	130
Carbon Tetrachloride	1	15.9589	0	20	80	50	130
Trichloroethene	1	17.1618	0	20	86	50	130
Benzene	1	15.0644	0	20	75	50	130
Tetrachloroethene	1	16.3688	0	20	82	50	130
Toluene	1	14.57	0	20	73	50	130
Chlorobenzene	1	14.6779	0	20	73	50	130
1,4-Dichlorobenzene	1	13.7841	0	20	69	50	130
1,2-Dichlorobenzene	1	13.9564	0	20	70	50	130
n-Propylbenzene	1	14.0294	0	20	70	50	130
sec-Butylbenzene	1	14.4174	0	20	72	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS22626

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M20558.D	MBS22626	11/9/2012 1:20:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	17.9963	0	20	90	20	130
1,1-Dichloroethene	1	16.1271	0	20	81	50	130
1,1-Dichloroethane	1	16.9829	0	20	85	50	130
Chloroform	1	17.4931	0	20	87	50	130
1,2-Dichloroethane	1	16.9204	0	20	85	50	130
2-Butanone	1	16.218	0	20	81	20	130
Carbon Tetrachloride	1	18.5846	0	20	93	50	130
Trichloroethene	1	22.7884	0	20	114	50	130
Benzene	1	17.2416	0	20	86	50	130
Tetrachloroethene	1	17.8725	0	20	89	50	130
Toluene	1	16.525	0	20	83	50	130
Chlorobenzene	1	16.5415	0	20	83	50	130
1,4-Dichlorobenzene	1	15.0963	0	20	75	50	130
1,2-Dichlorobenzene	1	15.7796	0	20	79	50	130
n-Propylbenzene	1	15.0304	0	20	75	50	130
sec-Butylbenzene	1	15.4469	0	20	77	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS22665

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M20728.D	MBS22665	11/13/2012 10:36:00 A
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	16.8766	0	20	84	20	130
1,1-Dichloroethene	1	18.3612	0	20	92	50	130
1,1-Dichloroethane	1	17.1972	0	20	86	50	130
Chloroform	1	17.6144	0	20	88	50	130
1,2-Dichloroethane	1	16.7385	0	20	84	50	130
2-Butanone	1	17.2509	0	20	86	20	130
Carbon Tetrachloride	1	18.7183	0	20	94	50	130
Trichloroethene	1	18.6312	0	20	93	50	130
Benzene	1	17.4805	0	20	87	50	130
Tetrachloroethene	1	18.9684	0	20	95	50	130
Toluene	1	16.9179	0	20	85	50	130
Chlorobenzene	1	17.0187	0	20	85	50	130
1,4-Dichlorobenzene	1	15.5267	0	20	78	50	130
1,2-Dichlorobenzene	1	16.153	0	20	81	50	130
n-Propylbenzene	1	16.3277	0	20	82	50	130
sec-Butylbenzene	1	16.2897	0	20	81	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS22667

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M93819.D	MBS22667	11/13/2012 10:54:00 A
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	17.2317	0	20	86	20	130
1,1-Dichloroethene	1	14.8161	0	20	74	50	130
1,1-Dichloroethane	1	17.6932	0	20	88	50	130
Chloroform	1	17.7533	0	20	89	50	130
1,2-Dichloroethane	1	15.164	0	20	76	50	130
2-Butanone	1	20.2786	0	20	101	20	130
Carbon Tetrachloride	1	16.5368	0	20	83	50	130
Trichloroethene	1	18.5739	0	20	93	50	130
Benzene	1	17.5781	0	20	88	50	130
Tetrachloroethene	1	17.9223	0	20	90	50	130
Toluene	1	18.3231	0	20	92	50	130
Chlorobenzene	1	16.7175	0	20	84	50	130
1,4-Dichlorobenzene	1	16.3435	0	20	82	50	130
1,2-Dichlorobenzene	1	16.7822	0	20	84	50	130
n-Propylbenzene	1	15.4334	0	20	77	50	130
sec-Butylbenzene	1	15.9786	0	20	80	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS22669

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M93835.D	MBS22669	11/13/2012 3:23:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	15.2294	0	20	76	20	130
1,1-Dichloroethene	1	13.3029	0	20	67	50	130
1,1-Dichloroethane	1	16.3971	0	20	82	50	130
Chloroform	1	17.6852	0	20	88	50	130
1,2-Dichloroethane	1	15.9997	0	20	80	50	130
2-Butanone	1	16.8051	0	20	84	20	130
Carbon Tetrachloride	1	15.8253	0	20	79	50	130
Trichloroethene	1	17.7754	0	20	89	50	130
Benzene	1	17.9996	0	20	90	50	130
Tetrachloroethene	1	18.8277	0	20	94	50	130
Toluene	1	17.2218	0	20	86	50	130
Chlorobenzene	1	15.9219	0	20	80	50	130
1,4-Dichlorobenzene	1	14.9329	0	20	75	50	130
1,2-Dichlorobenzene	1	16.6466	0	20	83	50	130
n-Propylbenzene	1	14.0335	0	20	70	50	130
sec-Butylbenzene	1	15.7602	0	20	79	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS22671

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M20750.D	MBS22671	11/13/2012 4:45:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	14.1426	0	20	71	20	130
1,1-Dichloroethene	1	17.6821	0	20	88	50	130
1,1-Dichloroethane	1	15.6509	0	20	78	50	130
Chloroform	1	16.5946	0	20	83	50	130
1,2-Dichloroethane	1	15.3912	0	20	77	50	130
2-Butanone	1	13.5862	0	20	68	20	130
Carbon Tetrachloride	1	17.468	0	20	87	50	130
Trichloroethene	1	18.002	0	20	90	50	130
Benzene	1	15.9243	0	20	80	50	130
Tetrachloroethene	1	17.1816	0	20	86	50	130
Toluene	1	15.3926	0	20	77	50	130
Chlorobenzene	1	15.6396	0	20	78	50	130
1,4-Dichlorobenzene	1	14.2397	0	20	71	50	130
1,2-Dichlorobenzene	1	14.6902	0	20	73	50	130
n-Propylbenzene	1	14.7954	0	20	74	50	130
sec-Butylbenzene	1	14.7809	0	20	74	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS22675

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M20759.D	MBS22675	11/13/2012 7:05:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	10.8335	0	20	54	20	130
1,1-Dichloroethene	1	14.2749	0	20	71	50	130
1,1-Dichloroethane	1	13.8199	0	20	69	50	130
Chloroform	1	14.3503	0	20	72	50	130
1,2-Dichloroethane	1	13.8481	0	20	69	50	130
2-Butanone	1	13.1242	0	20	66	20	130
Carbon Tetrachloride	1	15.2283	0	20	76	50	130
Trichloroethene	1	15.9723	0	20	80	50	130
Benzene	1	13.8212	0	20	69	50	130
Tetrachloroethene	1	14.8206	0	20	74	50	130
Toluene	1	13.5913	0	20	68	50	130
Chlorobenzene	1	13.6374	0	20	68	50	130
1,4-Dichlorobenzene	1	13.0678	0	20	65	50	130
1,2-Dichlorobenzene	1	13.2073	0	20	66	50	130
n-Propylbenzene	1	13.0833	0	20	65	50	130
sec-Butylbenzene	1	13.0701	0	20	65	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS22676

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M20760.D	MBS22676	11/13/2012 7:20:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	12.5196	0	20	63	20	130
1,1-Dichloroethene	1	13.5156	0	20	68	50	130
1,1-Dichloroethane	1	15.2797	0	20	76	50	130
Chloroform	1	16.0989	0	20	80	50	130
1,2-Dichloroethane	1	15.359	0	20	77	50	130
2-Butanone	1	15.0856	0	20	75	20	130
Carbon Tetrachloride	1	17.429	0	20	87	50	130
Trichloroethene	1	18.0274	0	20	90	50	130
Benzene	1	15.716	0	20	79	50	130
Tetrachloroethene	1	17.1714	0	20	86	50	130
Toluene	1	15.2356	0	20	76	50	130
Chlorobenzene	1	15.5851	0	20	78	50	130
1,4-Dichlorobenzene	1	15.1874	0	20	76	50	130
1,2-Dichlorobenzene	1	15.0146	0	20	75	50	130
n-Propylbenzene	1	14.6049	0	20	73	50	130
sec-Butylbenzene	1	14.9243	0	20	75	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS22626

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M20579.D	AC69059-002(MS)	11/9/2012 6:48:00 PM
Non Spike(If applicable):	3M20476.D	AC69059-002	11/8/2012 4:03:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	19.6841	0	20	98	20	130
1,1-Dichloroethene	1	19.8671	0	20	99	50	130
1,1-Dichloroethane	1	18.7282	0	20	94	50	130
Chloroform	1	19.3354	0	20	97	50	130
1,2-Dichloroethane	1	18.2009	0	20	91	50	130
2-Butanone	1	31.7305	15.9754	20	79	20	130
Carbon Tetrachloride	1	20.6199	0	20	103	50	130
Trichloroethene	1	19.9983	0	20	100	50	130
Benzene	1	18.9926	0	20	95	50	130
Tetrachloroethene	1	19.7012	0	20	99	50	130
Toluene	1	18.3502	0	20	92	50	130
Chlorobenzene	1	18.3081	0	20	92	50	130
1,4-Dichlorobenzene	1	17.0782	0	20	85	50	130
1,2-Dichlorobenzene	1	17.3568	0	20	87	50	130
n-Propylbenzene	1	17.7089	0	20	89	50	130
sec-Butylbenzene	1	17.4455	0	20	87	50	130

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M20580.D	AC69059-002(MSD)	11/9/2012 7:03:00 PM
Non Spike(If applicable):	3M20476.D	AC69059-002	11/8/2012 4:03:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	19.7518	0	20	99	20	130
1,1-Dichloroethene	1	20.2603	0	20	101	50	130
1,1-Dichloroethane	1	18.4358	0	20	92	50	130
Chloroform	1	18.7758	0	20	94	50	130
1,2-Dichloroethane	1	17.9595	0	20	90	50	130
2-Butanone	1	32.3757	15.9754	20	82	20	130
Carbon Tetrachloride	1	20.608	0	20	103	50	130
Trichloroethene	1	20.3057	0	20	102	50	130
Benzene	1	18.6688	0	20	93	50	130
Tetrachloroethene	1	19.723	0	20	99	50	130
Toluene	1	18.2229	0	20	91	50	130
Chlorobenzene	1	18.2705	0	20	91	50	130
1,4-Dichlorobenzene	1	16.992	0	20	85	50	130
1,2-Dichlorobenzene	1	17.3527	0	20	87	50	130
n-Propylbenzene	1	17.7625	0	20	89	50	130
sec-Butylbenzene	1	17.4991	0	20	87	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
RPD DATA

QC Batch: MBS22626

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M20580.D	AC69059-002(MSD)	11/9/2012 7:03:00 PM
Duplicate(If applicable):	3M20579.D	AC69059-002(MS)	11/9/2012 6:48:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Vinyl Chloride	1	19.7518	19.6841	0.34	40
1,1-Dichloroethene	1	20.2603	19.8671	2	40
1,1-Dichloroethane	1	18.4358	18.7282	1.6	40
Chloroform	1	18.7758	19.3354	2.9	40
1,2-Dichloroethane	1	17.9595	18.2009	1.3	40
2-Butanone	1	32.3757	31.7305	2	40
Carbon Tetrachloride	1	20.608	20.6199	0.06	40
Trichloroethene	1	20.3057	19.9983	1.5	40
Benzene	1	18.6688	18.9926	1.7	40
Tetrachloroethene	1	19.723	19.7012	0.11	40
Toluene	1	18.2229	18.3502	0.7	40
Chlorobenzene	1	18.2705	18.3081	0.21	40
1,4-Dichlorobenzene	1	16.992	17.0782	0.51	40
1,2-Dichlorobenzene	1	17.3527	17.3568	0.02	40
n-Propylbenzene	1	17.7625	17.7089	0.3	40
sec-Butylbenzene	1	17.4991	17.4455	0.31	40

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 3M20454.D
Matrix: Aqueous

Blank Analysis Date: 11/08/12 09:54
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC69059-002	3M20476.D	11/08/12 16:03
MBS22608	3M20456.D	11/08/12 10:28
MBS22613	3M20479.D	11/08/12 16:52
MBS22614	3M20491.D	11/08/12 20:00

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 3M20540.D
Matrix: Aqueous

Blank Analysis Date: 11/09/12 08:33
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC69059-002(MS)	3M20579.D	11/09/12 18:48
AC69059-002(MSD	3M20580.D	11/09/12 19:03
MBS22626	3M20558.D	11/09/12 13:20

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 3M20726.D
Matrix: Aqueous

Blank Analysis Date: 11/13/12 10:03
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC69212-001	3M20737.D	11/13/12 13:04
AC69212-002	3M20738.D	11/13/12 13:21
AC69212-003	3M20739.D	11/13/12 13:37
AC69212-004	3M20740.D	11/13/12 13:54
AC69212-006	3M20741.D	11/13/12 14:10
AC69212-007	3M20742.D	11/13/12 14:27
AC69212-008	3M20730.D	11/13/12 11:09
AC69212-009	3M20731.D	11/13/12 11:26
AC69212-010	3M20743.D	11/13/12 14:43
MBS22671	3M20750.D	11/13/12 16:45
MBS22676	3M20760.D	11/13/12 19:20
MBS22665	3M20728.D	11/13/12 10:36
MBS22675	3M20759.D	11/13/12 19:05

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 1M93816.D
Matrix: Aqueous

Blank Analysis Date: 11/13/12 10:07
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC69212-005	1M93824.D	11/13/12 12:16
MBS22667	1M93819.D	11/13/12 10:54
MBS22669	1M93835.D	11/13/12 15:23

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 3

Data File: 3M20142.D
Analysis Date: 10/26/12 09:57
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.290 to 4.329 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	24.7	4766	PASS
75	95	30	60	51.2	9872	PASS
95	95	100	100	100.0	19297	PASS
96	95	5	9	6.2	1192	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	70.3	13559	PASS
175	174	5	9	7.1	962	PASS
176	174	95	101	101.0	13691	PASS
177	176	5	9	6.9	948	PASS

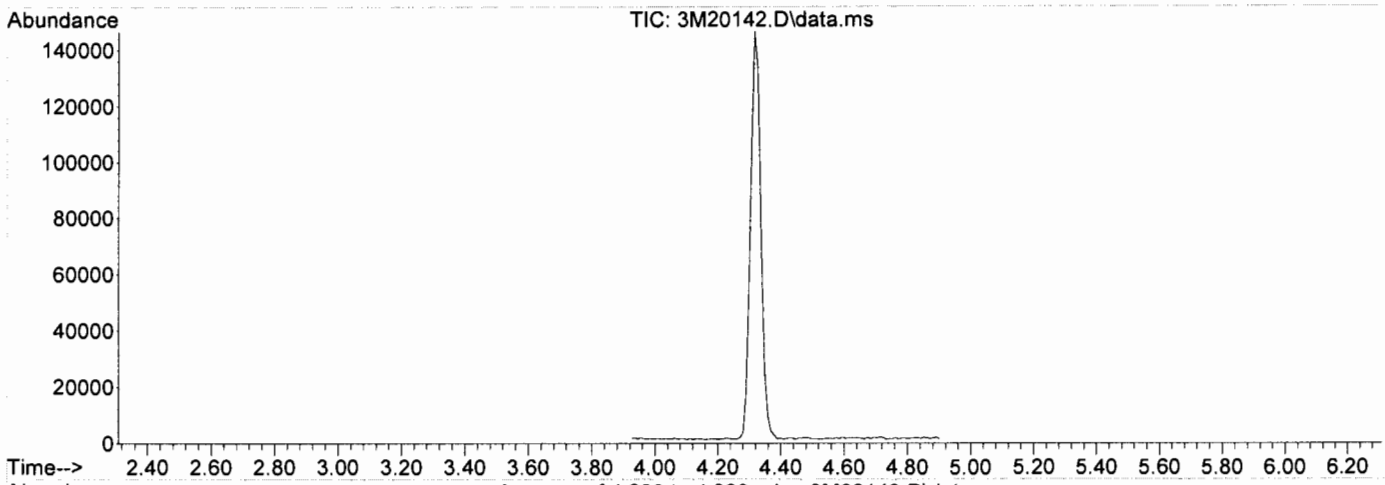
Data File	Sample Number	Analysis Date:
3M20143.D	BLK	10/26/12 10:07
3M20144.D	BLK	10/26/12 10:23
3M20145.D	CAL @ 1 PPB	10/26/12 10:40
3M20146.D	CAL @ 0.5 PPB	10/26/12 10:59
3M20147.D	CAL @ 5 PPB	10/26/12 11:15
3M20148.D	CAL @ 500 PPB	10/26/12 11:30
3M20149.D	CAL @ 250 PPB	10/26/12 11:46
3M20150.D	CAL @ 100 PPB	10/26/12 12:01
3M20151.D	CAL @ 50 PPB	10/26/12 12:17
3M20152.D	CAL @ 20 PPB	10/26/12 12:32
3M20153.D	CAL @ 10 PPB	10/26/12 12:48
3M20154.D	ICV	10/26/12 13:04
3M20155.D	ICV	10/26/12 13:19
3M20156.D	BLK	10/26/12 13:35
3M20157.D	DAILY BLANK	10/26/12 13:50
3M20158.D	DAILY BLANK	10/26/12 14:06
3M20159.D	MBS22518	10/26/12 14:22
3M20160.D	MBS22519	10/26/12 14:37
3M20161.D	MBS22520	10/26/12 14:57
3M20162.D	BLK	10/26/12 15:12
3M20166.D	69011-005(1000X)	10/26/12 16:19

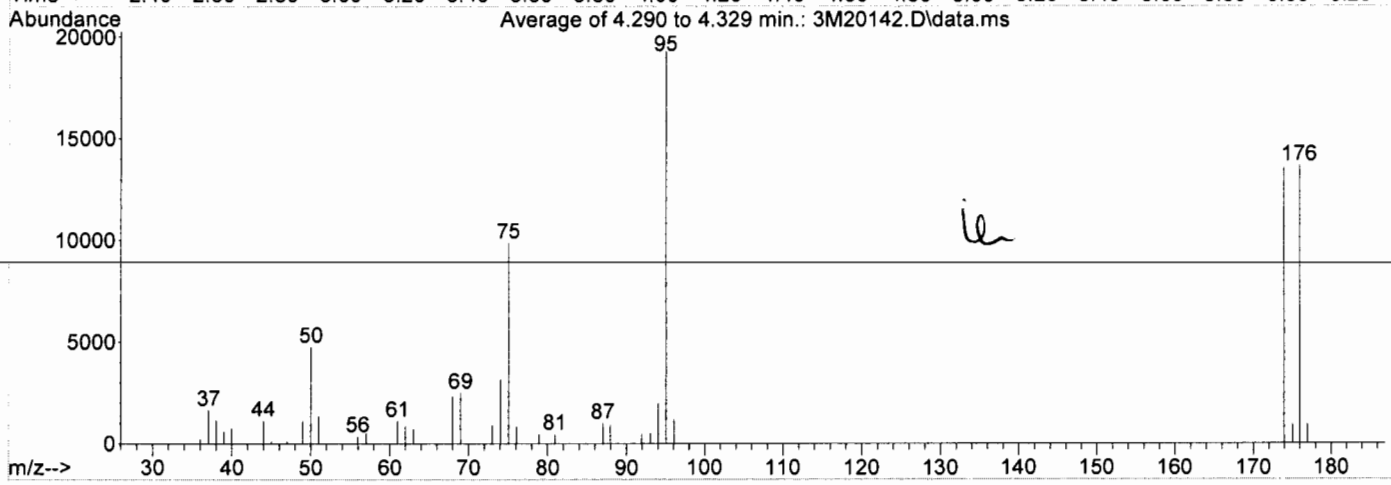
2111211 0087

Data Path : G:\GcMsData\2012\gcms_3\Data\10-26-12\
Data File : 3M20142.D
Acq On : 26 Oct 2012 9:57
Operator : WP
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2012\GCMS_3\METHODQT\3M_A1017.M
Title : @GCMS_3,ug,624,8260
Last Update : Thu Oct 18 08:59:35 2012





Spectrum Information: Average of 4.290 to 4.329 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.7	4766	PASS
75	95	30	60	51.2	9872	PASS
95	95	100	100	100.0	19297	PASS
96	95	5	9	6.2	1192	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	70.3	13559	PASS
175	174	5	9	7.1	962	PASS
176	174	95	101	101.0	13691	PASS
177	176	5	9	6.9	948	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 1

Data File: 1M93629.D
Analysis Date: 11/07/12 08:19
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.360 to 4.389 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	22.4	35611	PASS
75	95	30	60	49.1	78168	PASS
95	95	100	100	100.0	159118	PASS
96	95	5	9	8.3	13176	PASS
173	174	0.00	2	0.4	700	PASS
174	95	50	100	98.5	156776	PASS
175	174	5	9	8.7	13716	PASS
176	174	95	101	100.8	158007	PASS
177	176	5	9	6.2	9808	PASS

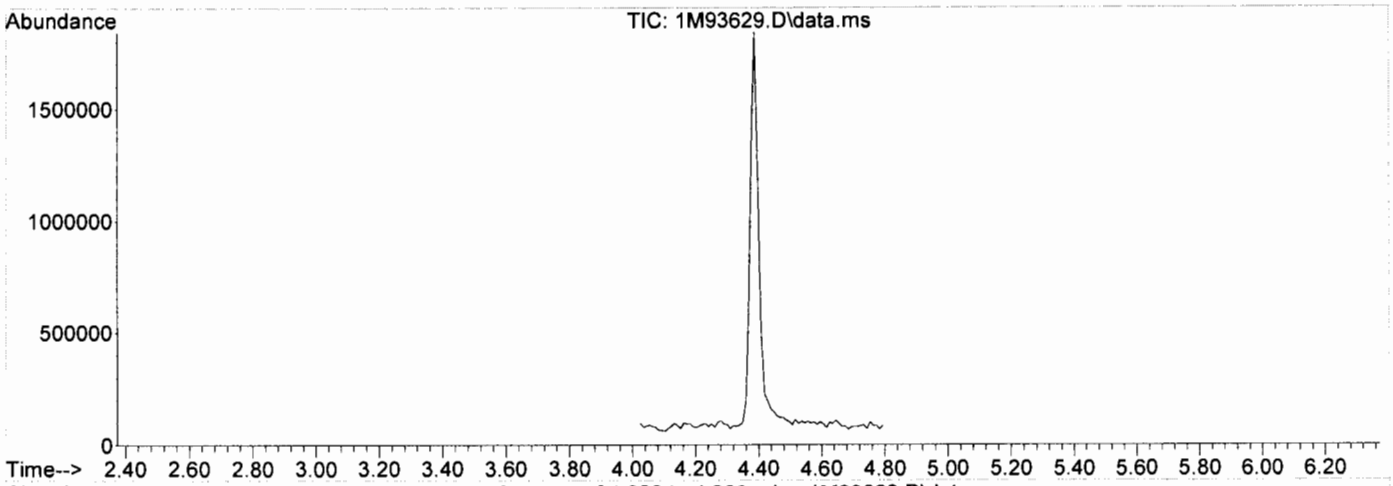
Data File	Sample Number	Analysis Date:
1M93630.D	BLK	11/07/12 08:35
1M93631.D	1 PPB	11/07/12 08:51
1M93632.D	CAL @ 0.5 PPB	11/07/12 09:10
1M93633.D	CAL @ 5 PPB	11/07/12 09:29
1M93634.D	CAL @ 500 PPB	11/07/12 09:45
1M93635.D	CAL @ 250 PPB	11/07/12 10:02
1M93636.D	CAL @ 100 PPB	11/07/12 10:18
1M93637.D	CAL @ 50 PPB	11/07/12 10:35
1M93638.D	CAL @ 20 PPB	11/07/12 10:51
1M93639.D	CAL @ 10 PPB	11/07/12 11:07
1M93640.D	BLK	11/07/12 11:24
1M93641.D	1 PPB	11/07/12 11:43
1M93642.D	20 PPB	11/07/12 11:59
1M93643.D	BLK	11/07/12 12:16
1M93644.D	CAL @ 1 PPB	11/07/12 12:32
1M93645.D	50 PPB	11/07/12 12:48
1M93646.D	ICV	11/07/12 13:05
1M93647.D	BLK	11/07/12 13:21
1M93648.D	DAILY BLANK	11/07/12 13:37
1M93649.D	DAILY BLANK	11/07/12 13:53
1M93650.D	MBS22597	11/07/12 14:09
1M93651.D	MBS22598	11/07/12 14:25
1M93652.D	BLK	11/07/12 14:41
1M93653.D	AC69016-004	11/07/12 14:59
1M93654.D	AC69016-006	11/07/12 15:15
1M93655.D	AC69016-009	11/07/12 15:30
1M93656.D	AC69016-008(5X)	11/07/12 15:49
1M93657.D	AC69016-011(100X	11/07/12 16:11
1M93658.D	AC69016-005(100X	11/07/12 16:28
1M93659.D	AC69018-003(MS)	11/07/12 16:44
1M93662.D	AC69018-003(MSD	11/07/12 17:43
1M93663.D	BLK	11/07/12 17:58
1M93664.D	AC69083-005	11/07/12 18:14
1M93665.D	AC69080-001	11/07/12 18:30
1M93666.D	AC69080-002	11/07/12 18:46
1M93667.D	AC69089-002	11/07/12 19:02
1M93668.D	BLK	11/07/12 19:18
1M93669.D	BLK	11/07/12 19:33
1M93670.D	AC69088-002	11/07/12 19:49
1M93671.D	AC69088-003	11/07/12 20:05
1M93672.D	AC69088-004	11/07/12 20:21
1M93673.D	AC69088-005	11/08/12 07:41
1M93674.D	AC69088-006	11/08/12 07:57

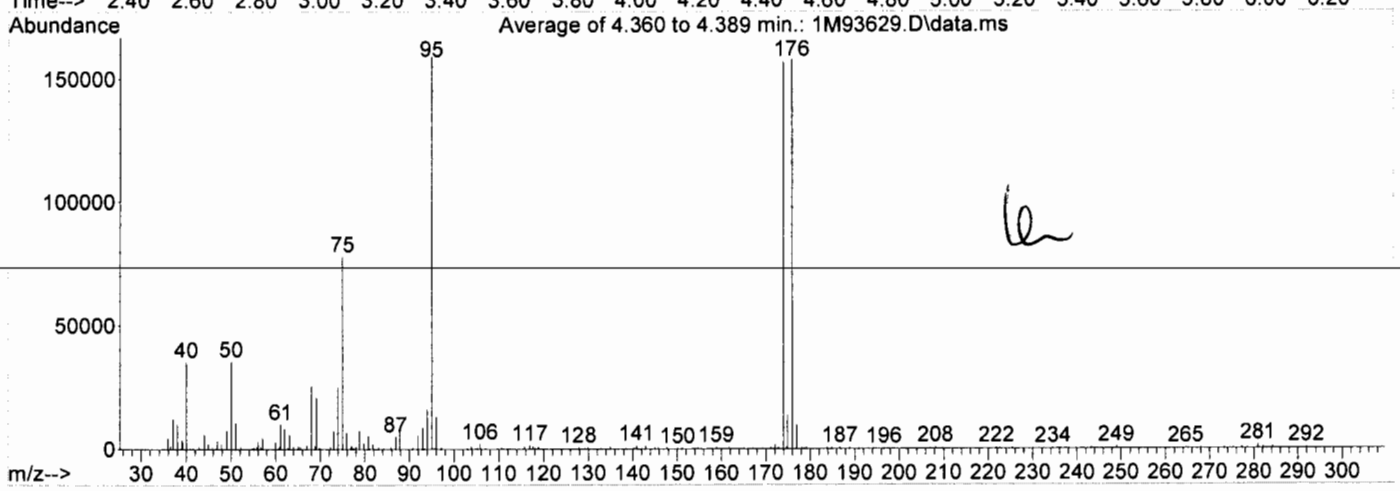
2111211 0089

Data Path : G:\GcMsData\2012\gcms_1\Data\11-07-12\
Data File : 1M93629.D
Acq On : 7 Nov 2012 8:19
Operator : WP
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 5 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2012\gcms_1\MethodQt\1M_A1005.M
Title : @GCMS_1,ug,624,8260
Last Update : Fri Oct 05 13:54:46 2012





Spectrum Information: Average of 4.360 to 4.389 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.4	35611	PASS
75	95	30	60	49.1	78168	PASS
95	95	100	100	100.0	159118	PASS
96	95	5	9	8.3	13176	PASS
173	174	0.00	2	0.4	700	PASS
174	95	50	100	98.5	156776	PASS
175	174	5	9	8.7	13716	PASS
176	174	95	101	100.8	158007	PASS
177	176	5	9	6.2	9808	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 3
Data File: 3M20449.D
Analysis Date: 11/08/12 08:37
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.293 to 4.323 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	22.3	5045	PASS
75	95	30	60	49.7	11253	PASS
95	95	100	100	100.0	22654	PASS
96	95	5	9	7.3	1653	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	87.2	19755	PASS
175	174	5	9	8.1	1604	PASS
176	174	95	101	96.7	19109	PASS
177	176	5	9	6.9	1325	PASS

Data File	Sample Number	Analysis Date:
3M20450.D	BLKJUG#3	11/08/12 08:47
3M20451.D	CAL @ 20 PPB	11/08/12 09:04
3M20452.D	BLK	11/08/12 09:21
3M20453.D	DAILY BLANK	11/08/12 09:37
3M20454.D	DAILY BLANK	11/08/12 09:54
3M20455.D	MBS22607	11/08/12 10:10
3M20456.D	MBS22608	11/08/12 10:28
3M20457.D	BLK	11/08/12 10:51
3M20458.D	AC69066-005	11/08/12 11:07
3M20459.D	AC69066-011	11/08/12 11:24
3M20460.D	AC69066-010	11/08/12 11:40
3M20461.D	AC69066-012	11/08/12 11:57
3M20462.D	AC69066-003	11/08/12 12:13
3M20463.D	AC69066-006	11/08/12 12:30
3M20464.D	AC69066-008	11/08/12 12:46
3M20465.D	AC69066-009	11/08/12 13:02
3M20466.D	AC69066-007(5X)	11/08/12 13:19
3M20467.D	BLK	11/08/12 13:35
3M20468.D	AC69066-011	11/08/12 13:52
3M20469.D	AC69066-007(5X)	11/08/12 14:08
3M20470.D	AC69144-001	11/08/12 14:25
3M20471.D	AC69144-002	11/08/12 14:41
3M20472.D	BLK	11/08/12 14:57
3M20473.D	AC69086-004	11/08/12 15:14
3M20474.D	AC69084-002	11/08/12 15:30
~~3M20475.D~~	~~AC69103-020~~	~~11/08/12 15:46~~
3M20476.D	AC69059-002	11/08/12 16:03
3M20477.D	AC69059-001	11/08/12 16:19
3M20478.D	AC69059-003	11/08/12 16:36
3M20479.D	MBS22613	11/08/12 16:52
3M20480.D	AC69018-011(MS)	11/08/12 17:08
3M20481.D	AC69018-011(MSD	11/08/12 17:25
3M20482.D	BLK	11/08/12 17:40
3M20483.D	AC69114-004	11/08/12 17:56
3M20484.D	AC69114-005	11/08/12 18:11
3M20485.D	AC69126-001	11/08/12 18:27
3M20486.D	AC69126-003	11/08/12 18:42
3M20487.D	AC69126-005	11/08/12 18:58
3M20488.D	AC69126-006(10X)	11/08/12 19:13
3M20489.D	AC69126-004(10X)	11/08/12 19:29
3M20490.D	AC69126-002(10X)	11/08/12 19:44
3M20491.D	MBS22614	11/08/12 20:00
3M20492.D	AC69018-009(MS)	11/08/12 20:15
3M20493.D	AC69018-009(MSD	11/08/12 20:31
3M20494.D	BLK	11/08/12 20:46
3M20495.D	BLK	11/08/12 21:02
3M20496.D	BLK	11/08/12 21:17
3M20497.D	MBS22615	11/08/12 21:33
3M20498.D	MBS22616	11/08/12 21:48
3M20499.D	BLK	11/08/12 22:04
3M20500.D	AC69088-022	11/08/12 22:19
3M20501.D	AC69088-023	11/08/12 22:34
3M20502.D	AC69088-007	11/08/12 22:50
3M20503.D	AC69088-008	11/08/12 23:06
3M20504.D	AC69088-009	11/08/12 23:21
3M20505.D	AC69088-010	11/08/12 23:37
3M20506.D	AC69088-011	11/08/12 23:52
3M20507.D	AC69088-012	11/09/12 00:08
3M20508.D	AC69088-013	11/09/12 00:23
3M20509.D	AC69088-014	11/09/12 00:39
3M20510.D	AC69088-015	11/09/12 00:54
3M20511.D	AC69088-016	11/09/12 01:10
3M20512.D	AC69088-017	11/09/12 01:25
3M20513.D	AC69088-018	11/09/12 01:41
3M20514.D	AC69088-019	11/09/12 01:56

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 3
Data File: 3M20449.D
Analysis Date: 11/08/12 08:37
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.293 to 4.323 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	22.3	5045	PASS
75	95	30	60	49.7	11253	PASS
95	95	100	100	100.0	22654	PASS
96	95	5	9	7.3	1653	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	87.2	19755	PASS
175	174	5	9	8.1	1604	PASS
176	174	95	101	96.7	19109	PASS
177	176	5	9	6.9	1325	PASS

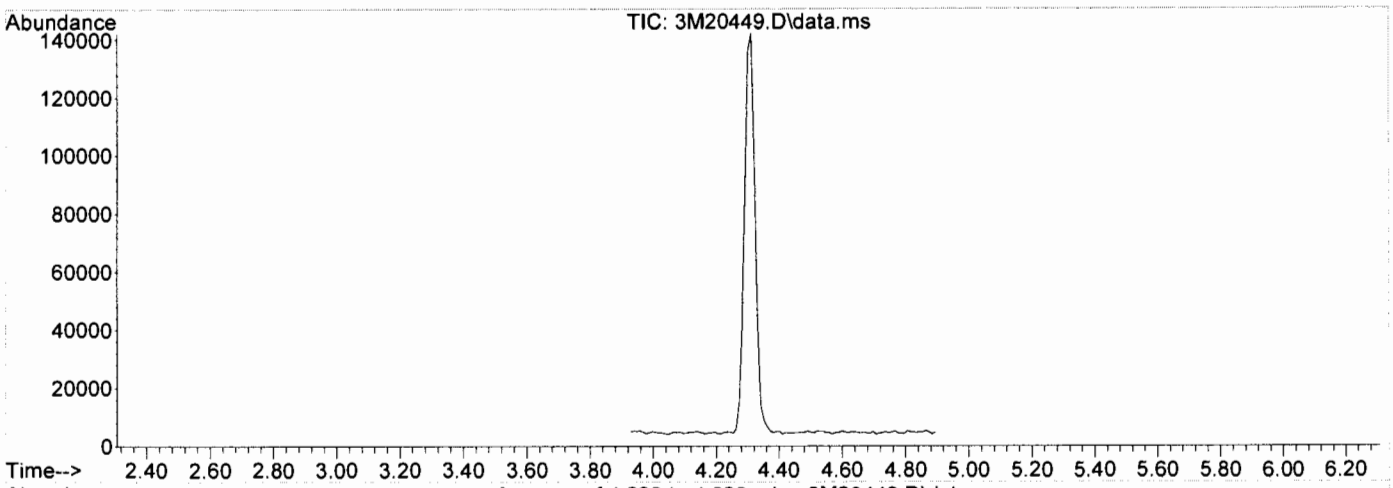
3M20515.D	AC69088-020	11/09/12 02:12
3M20516.D	AC69088-021	11/09/12 02:27
3M20517.D	AC69088-001(50X)	11/09/12 02:43
3M20518.D	MBS22618	11/09/12 02:58
3M20519.D	BLK	11/09/12 03:14
3M20520.D	BLK	11/09/12 03:29
3M20521.D	BLK	11/09/12 03:45
3M20522.D	AC69160-003	11/09/12 04:00
3M20523.D	AC69160-002	11/09/12 04:16
3M20524.D	AC69160-001(50X)	11/09/12 04:31
3M20525.D	MBS22619	11/09/12 04:47
3M20526.D	MBS22620	11/09/12 05:02
3M20527.D	BLK	11/09/12 05:18
3M20528.D	BLK	11/09/12 05:33
3M20529.D	BLK	11/09/12 05:48
3M20530.D	BLK	11/09/12 06:04
3M20531.D	BLK	11/09/12 06:19
3M20532.D	BLK	11/09/12 06:34
3M20533.D	BLK	11/09/12 06:49

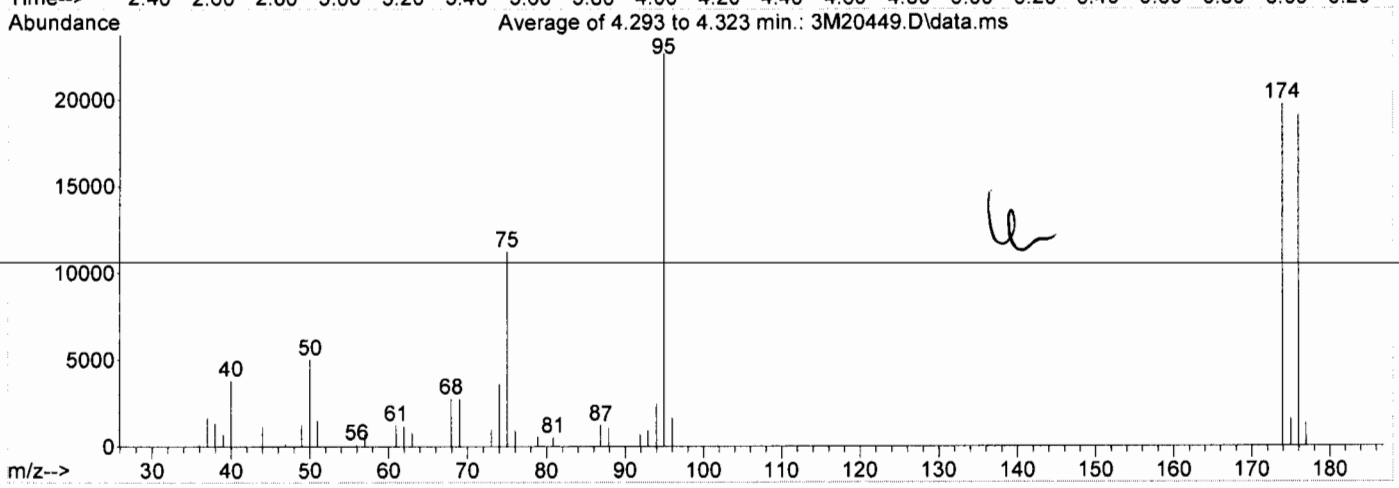
2111211 0092

Data Path : G:\GcMsData\2012\gcms_3\Data\11-08-12\
Data File : 3M20449.D
Acq On : 8 Nov 2012 8:37
Operator : SG
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2012\GCMS_3\METHODQT\3M_A1026.M
Title : @GCMS_3,ug,624,8260
Last Update : Sat Oct 27 10:51:33 2012





Spectrum Information: Average of 4.293 to 4.323 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.3	5045	PASS
75	95	30	60	49.7	11253	PASS
95	95	100	100	100.0	22654	PASS
96	95	5	9	7.3	1653	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	87.2	19755	PASS
175	174	5	9	8.1	1604	PASS
176	174	95	101	96.7	19109	PASS
177	176	5	9	6.9	1325	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 3

Data File: 3M20535.D
Analysis Date: 11/09/12 07:17
Method: EPA 8260B

Tune Scan/Time Range: Scan 39

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	23.7	8943	PASS
75	95	30	60	51.0	19296	PASS
95	95	100	100	100.0	37800	PASS
96	95	5	9	7.0	2644	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	82.3	31096	PASS
175	174	5	9	8.3	2569	PASS
176	174	95	101	96.8	30088	PASS
177	176	5	9	5.8	1736	PASS

Data File	Sample Number	Analysis Date:
3M20536.D	BLK	11/09/12 07:27
3M20537.D	CAL @ 20 PPB	11/09/12 07:43
3M20538.D	BLKJUG#2	11/09/12 08:00
3M20539.D	DAILY BLANK	11/09/12 08:17
3M20540.D	DAILY BLANK	11/09/12 08:33
3M20541.D	AC69085-010	11/09/12 08:50
3M20542.D	MBS22621	11/09/12 09:06
3M20543.D	MBS22622	11/09/12 09:23
3M20544.D	AC69085-010(MS)	11/09/12 09:39
3M20545.D	AC69085-010(MSD	11/09/12 09:55
3M20546.D	BLK	11/09/12 10:11
3M20547.D	AC69071-006	11/09/12 10:26
3M20548.D	AC69088-006	11/09/12 10:42
3M20549.D	AC69088-013	11/09/12 10:58
3M20550.D	AC69088-009	11/09/12 11:13
3M20551.D	AC69088-018	11/09/12 11:29
3M20552.D	AC69088-012	11/09/12 11:44
3M20553.D	AC69088-011(20X)	11/09/12 12:02
3M20554.D	AC69134-010	11/09/12 12:18
3M20555.D	BLK	11/09/12 12:33
3M20556.D	BLK	11/09/12 12:49
3M20557.D	AC69126-002	11/09/12 13:05
3M20558.D	MBS22626	11/09/12 13:20
3M20559.D	AC69134-011	11/09/12 13:36
3M20560.D	AC69127-003	11/09/12 13:51
3M20561.D	AC69127-004	11/09/12 14:07
3M20562.D	AC69127-005	11/09/12 14:22
3M20563.D	AC69127-006	11/09/12 14:38
3M20564.D	AC69127-007	11/09/12 14:53
3M20565.D	AC69127-008	11/09/12 15:09
3M20566.D	AC69127-009	11/09/12 15:24
3M20567.D	AC69127-012(5X)	11/09/12 15:42
3M20568.D	AC69127-013(5X)	11/09/12 15:57
3M20569.D	AC69127-014(50X)	11/09/12 16:13
3M20570.D	AC69127-015	11/09/12 16:28
3M20571.D	AC69127-016	11/09/12 16:44
3M20572.D	AC69127-017	11/09/12 16:59
3M20573.D	AC69127-018	11/09/12 17:15
3M20574.D	AC69127-019	11/09/12 17:30
3M20575.D	AC69127-021	11/09/12 17:46
3M20576.D	AC69127-020	11/09/12 18:01
3M20577.D	AC69127-022	11/09/12 18:17
3M20578.D	AC69127-023	11/09/12 18:32
3M20579.D	AC69059-002(MS)	11/09/12 18:48
3M20580.D	AC69059-002(MSD	11/09/12 19:03
3M20581.D	BLK	11/09/12 19:19
3M20582.D	BLK	11/09/12 19:34
3M20583.D	BLK	11/09/12 19:49
3M20584.D	MBS22639	11/09/12 20:05
3M20585.D	MBS22635	11/09/12 20:20
3M20586.D	MBS22636	11/09/12 20:36
3M20587.D	BLK	11/09/12 20:51
3M20588.D	AC69108-011	11/09/12 21:07
3M20589.D	AC69108-013	11/09/12 21:22
3M20590.D	AC69108-006	11/09/12 21:39
3M20591.D	AC69108-007	11/09/12 21:55
3M20592.D	AC69108-008	11/09/12 22:12
3M20593.D	AC69108-009	11/09/12 22:28
3M20594.D	AC69108-010	11/09/12 22:44
3M20595.D	AC69108-014	11/09/12 23:01
3M20596.D	AC69108-015	11/09/12 23:17
3M20597.D	AC69108-016	11/09/12 23:34
3M20598.D	AC69108-017	11/09/12 23:50
3M20599.D	AC69108-019	11/10/12 00:07
3M20600.D	AC69108-020	11/10/12 00:23

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 3

Data File: 3M20535.D
Analysis Date: 11/09/12 07:17
Method: EPA 8260B

Tune Scan/Time Range: Scan 39

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	23.7	8943	PASS
75	95	30	60	51.0	19296	PASS
95	95	100	100	100.0	37800	PASS
96	95	5	9	7.0	2644	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	82.3	31096	PASS
175	174	5	9	8.3	2569	PASS
176	174	95	101	96.8	30088	PASS
177	176	5	9	5.8	1736	PASS

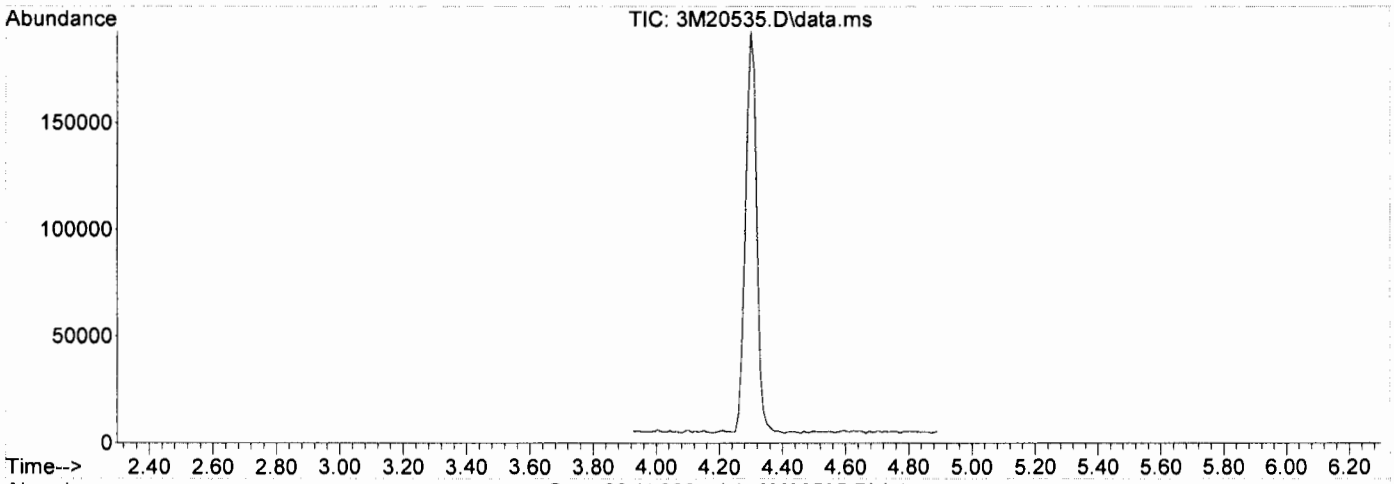
3M20601.D	AC69108-021	11/10/12 00:39
3M20602.D	AC69108-022	11/10/12 00:56
3M20603.D	AC69108-026	11/10/12 01:12
3M20604.D	AC69108-029	11/10/12 01:29
3M20605.D	AC69108-027	11/10/12 01:45
3M20606.D	AC69108-024(20X)	11/10/12 02:04
3M20607.D	AC69108-023(20X)	11/10/12 02:24
3M20608.D	AC69088-007(MS)	11/10/12 02:40
3M20609.D	AC69088-007(MSD	11/10/12 02:57
3M20610.D	BLK	11/10/12 03:15
3M20611.D	BLK	11/10/12 03:32
3M20612.D	MBS22637	11/10/12 03:49
3M20613.D	MBS22638	11/10/12 04:06
3M20614.D	AC69145-002(10X)	11/10/12 04:23
3M20615.D	AC69145-003(10X)	11/10/12 04:40
3M20616.D	AC69145-004(10X)	11/10/12 04:57
3M20617.D	AC69145-005(10X)	11/10/12 05:15
3M20618.D	AC69145-006(10X)	11/10/12 05:32
3M20619.D	AC69145-007(10X)	11/10/12 05:50
3M20620.D	AC69123-010	11/10/12 06:07
3M20621.D	AC69133-013	11/10/12 06:25
3M20622.D	AC69165-019	11/10/12 06:42
3M20623.D	BLK	11/10/12 06:58
3M20624.D	BLK	11/10/12 07:13
3M20625.D	BLK	11/10/12 07:28
3M20626.D	BLK	11/10/12 07:43
3M20627.D	BLK	11/10/12 07:58
3M20628.D	BLK	11/10/12 08:13
3M20629.D	BLK	11/10/12 08:28
3M20630.D	BLK	11/10/12 08:43

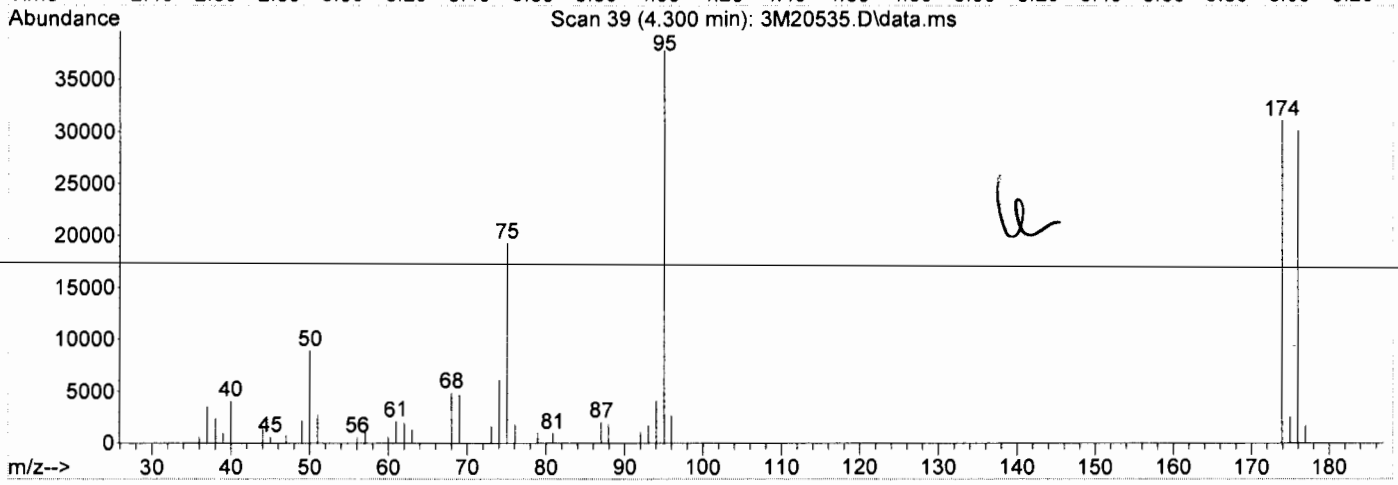
2111211 0095

Data Path : G:\GcMsData\2012\gcms_3\Data\11-09-12\
Data File : 3M20535.D
Acq On : 9 Nov 2012 7:17
Operator : SG
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2012\GCMS_3\METHODQT\3M_A1026.M
Title : @GCMS_3,ug,624,8260
Last Update : Sat Oct 27 10:51:33 2012





Spectrum Information: Scan 39

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.7	8943	PASS
75	95	30	60	51.0	19296	PASS
95	95	100	100	100.0	37800	PASS
96	95	5	9	7.0	2644	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	82.3	31096	PASS
175	174	5	9	8.3	2569	PASS
176	174	95	101	96.8	30088	PASS
177	176	5	9	5.8	1736	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 3

Data File: 3M20720.D
Analysis Date: 11/13/12 08:23
Method: EPA 8260B

Tune Scan/Time Range: Scan 38

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	24.5	8462	PASS
75	95	30	60	53.9	18600	PASS
95	95	100	100	100.0	34488	PASS
96	95	5	9	7.6	2632	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	85.1	29360	PASS
175	174	5	9	7.5	2211	PASS
176	174	95	101	96.4	28304	PASS
177	176	5	9	6.4	1806	PASS

Data File	Sample Number	Analysis Date:
3M20721.D	BLK	11/13/12 08:33
3M20722.D	20 PPB	11/13/12 08:50
3M20723.D	CAL @ 20 PPB	11/13/12 09:09
3M20724.D	BLK	11/13/12 09:30
3M20725.D	DAILY BLANK	11/13/12 09:46
3M20726.D	DAILY BLANK	11/13/12 10:03
3M20727.D	MBS22664	11/13/12 10:19
3M20728.D	MBS22665	11/13/12 10:36
3M20729.D	BLK	11/13/12 10:53
3M20730.D	AC69212-008	11/13/12 11:09
3M20731.D	AC69212-009	11/13/12 11:26
3M20732.D	AC69213-001	11/13/12 11:42
3M20733.D	AC69213-002	11/13/12 11:59
3M20734.D	AC69213-003	11/13/12 12:15
3M20735.D	AC69213-004	11/13/12 12:31
3M20736.D	AC69213-005	11/13/12 12:48
3M20737.D	AC69212-001	11/13/12 13:04
3M20738.D	AC69212-002	11/13/12 13:21
3M20739.D	AC69212-003	11/13/12 13:37
3M20740.D	AC69212-004	11/13/12 13:54
3M20741.D	AC69212-006	11/13/12 14:10
3M20742.D	AC69212-007	11/13/12 14:27
3M20743.D	AC69212-010	11/13/12 14:43
3M20744.D	BLK	11/13/12 14:59
3M20745.D	AC69157-001	11/13/12 15:16
3M20746.D	AC69112-001(10X)	11/13/12 15:35
3M20747.D	AC69112-002(10X)	11/13/12 15:53
3M20748.D	BLK	11/13/12 16:11
3M20749.D	AC69112-021(5X)	11/13/12 16:30
3M20750.D	MBS22671	11/13/12 16:45
3M20751.D	BLKJUG#3	11/13/12 17:01
3M20752.D	AC69112-026	11/13/12 17:16
3M20753.D	AC69112-012	11/13/12 17:32
3M20754.D	AC69112-004	11/13/12 17:47
3M20755.D	AC69213-003(MS)	11/13/12 18:03
3M20756.D	AC69213-003(MSD	11/13/12 18:18
3M20757.D	BLK	11/13/12 18:34
3M20758.D	BLK	11/13/12 18:49
3M20759.D	MBS22675	11/13/12 19:05
3M20760.D	MBS22676	11/13/12 19:20
3M20761.D	BLK	11/13/12 19:36
3M20762.D	AC69181-013	11/13/12 19:51
3M20763.D	AC69181-014	11/13/12 20:06
3M20764.D	AC69209-002	11/13/12 20:22
3M20765.D	AC69181-001	11/13/12 20:37
3M20766.D	AC69181-002	11/13/12 20:53
3M20767.D	AC69181-006	11/13/12 21:08
3M20768.D	AC69181-007	11/13/12 21:24
3M20769.D	AC69181-012	11/13/12 21:39
3M20770.D	AC69181-010(10X)	11/13/12 21:54
3M20771.D	AC69181-004(10X)	11/13/12 22:10
3M20772.D	AC69181-011(10X)	11/13/12 22:25
3M20773.D	AC69181-008(50X)	11/13/12 22:41
3M20774.D	AC69181-003(100X	11/13/12 23:00
3M20775.D	AC69181-005(100X	11/13/12 23:19
3M20776.D	AC69181-009(100X	11/13/12 23:39
3M20777.D	BLK	11/13/12 23:55
3M20778.D	AC69184-001	11/14/12 00:13
3M20779.D	AC69161-002	11/14/12 00:30
3M20780.D	AC69161-001	11/14/12 00:47
3M20781.D	AC69209-001(10X)	11/14/12 01:05
3M20782.D	BLK	11/14/12 01:22
3M20783.D	AC69183-001	11/14/12 01:39
3M20784.D	MBS22677	11/14/12 01:56
3M20785.D	AC69108-013(MS)	11/14/12 02:14

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 3

Data File: 3M20720.D
Analysis Date: 11/13/12 08:23
Method: EPA 8260B

Tune Scan/Time Range: Scan 38

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	24.5	8462	PASS
75	95	30	60	53.9	18600	PASS
95	95	100	100	100.0	34488	PASS
96	95	5	9	7.6	2632	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	85.1	29360	PASS
175	174	5	9	7.5	2211	PASS
176	174	95	101	96.4	28304	PASS
177	176	5	9	6.4	1806	PASS

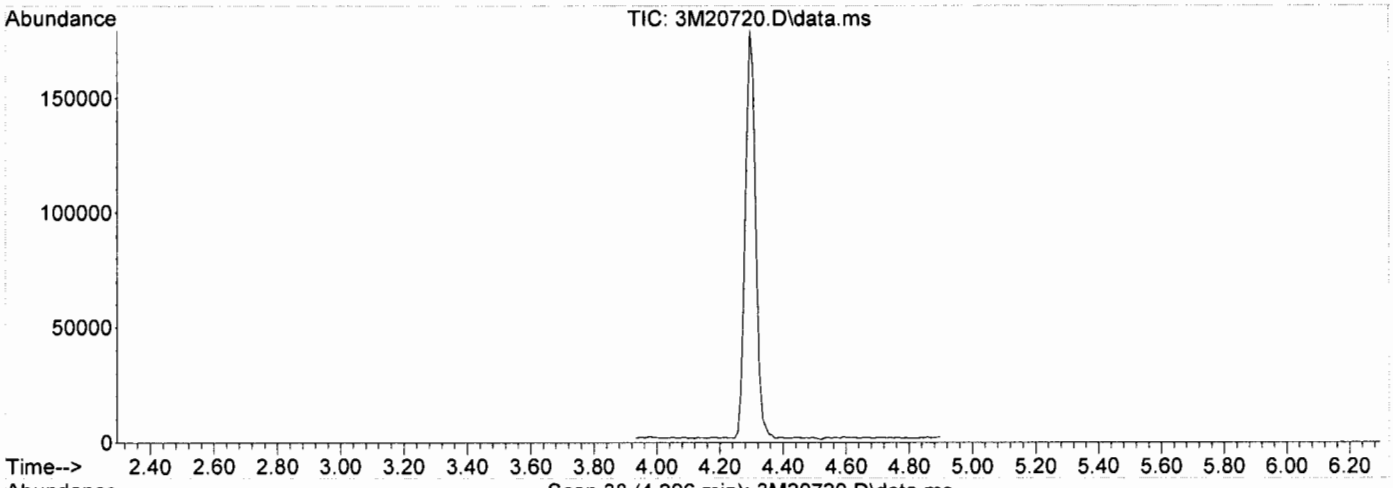
3M20786.D	AC69108-013(MSD	11/14/12 02:31
3M20787.D	BLK	11/14/12 02:49
3M20788.D	BLK	11/14/12 03:07
3M20789.D	BLK	11/14/12 03:24
3M20790.D	MBS22678	11/14/12 03:41
3M20791.D	MBS22679	11/14/12 03:57
3M20792.D	AC69178-006	11/14/12 04:14
3M20793.D	AC69153-003	11/14/12 04:32
3M20794.D	AC69176-006	11/14/12 04:49
3M20795.D	AC69176-007	11/14/12 05:05
3M20796.D	AC69176-001	11/14/12 05:23
3M20797.D	AC69176-003	11/14/12 05:41
3M20798.D	AC69176-004	11/14/12 05:58
3M20799.D	AC69153-001	11/14/12 06:15
3M20800.D	AC69170-001	11/14/12 06:32
3M20801.D	AC69176-005(10X)	11/14/12 06:48
3M20802.D	AC69176-002(10X)	11/14/12 07:05
3M20803.D	AC69178-002(50X)	11/14/12 07:23
3M20804.D	AC69178-003(50X)	11/14/12 07:40

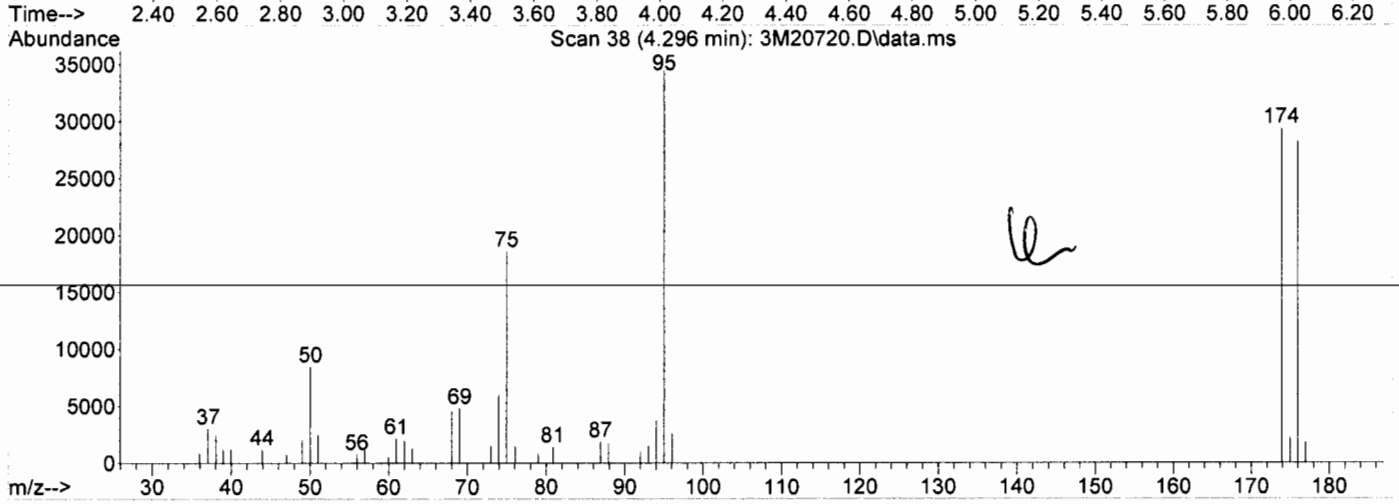
2111211 0098

Data Path : G:\GcMsData\2012\gcms_3\Data\11-13-12\
Data File : 3M20720.D
Acq On : 13 Nov 2012 8:23
Operator : SG
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2012\GCMS_3\METHODQT\3M_A1026.M
Title : @GCMS_3,ug,624,8260
Last Update : Sat Oct 27 10:51:33 2012





Spectrum Information: Scan 38

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.5	8462	PASS
75	95	30	60	53.9	18600	PASS
95	95	100	100	100.0	34488	PASS
96	95	5	9	7.6	2632	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	85.1	29360	PASS
175	174	5	9	7.5	2211	PASS
176	174	95	101	96.4	28304	PASS
177	176	5	9	6.4	1806	PASS

Form 5

Tune Name: BFB TUNE **Data File:** 1M93810.D
Instrument: GCMS 1 **Analysis Date:** 11/13/12 08:28
Method: EPA 8260B
Tune Scan/Time Range: Average of 4.263 to 4.342 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	22.5	47495	PASS
75	95	30	60	50.4	106558	PASS
95	95	100	100	100.0	211393	PASS
96	95	5	9	7.4	15637	PASS
173	174	0.00	2	0.5	1074	PASS
174	95	50	100	99.0	209379	PASS
175	174	5	9	8.9	18594	PASS
176	174	95	101	98.8	206927	PASS
177	176	5	9	7.7	15960	PASS

Data File	Sample Number	Analysis Date:
1M93811.D	BLK	11/13/12 08:45
1M93812.D	20 PPB	11/13/12 09:01
1M93813.D	CAL @ 20 PPB	11/13/12 09:16
1M93814.D	BLK	11/13/12 09:35
1M93815.D	DAILY BLANK	11/13/12 09:51
1M93816.D	DAILY BLANK	11/13/12 10:07
1M93817.D	AC69094-004	11/13/12 10:23
1M93818.D	MBS22666	11/13/12 10:39
1M93819.D	MBS22667	11/13/12 10:54
1M93820.D	BLK	11/13/12 11:12
1M93821.D	AC69122-001	11/13/12 11:28
1M93822.D	AC69122-005	11/13/12 11:44
1M93823.D	AC69093-001(200X	11/13/12 12:00
1M93824.D	AC69212-005	11/13/12 12:16
1M93825.D	BLK	11/13/12 12:32
1M93826.D	AC69112-018	11/13/12 12:47
1M93827.D	AC69140-028	11/13/12 13:03
1M93828.D	AC69112-003(50X)	11/13/12 13:22
1M93829.D	AC69123-009(10X)	11/13/12 13:45
1M93830.D	BLK	11/13/12 14:01
1M93831.D	AC69186-001	11/13/12 14:17
1M93832.D	AC69185-003	11/13/12 14:34
1M93833.D	AC69198-005(8uL)	11/13/12 14:50
1M93834.D	AC69198-007(80uL	11/13/12 15:06
1M93835.D	MBS22669	11/13/12 15:23
1M93836.D	AC69201-001(5X)	11/13/12 15:39
1M93837.D	AC69201-004(5X)	11/13/12 15:56
1M93838.D	AC69201-008(5X)	11/13/12 16:12
1M93839.D	AC69201-010(5X)	11/13/12 16:28
1M93840.D	AC69201-012(5X)	11/13/12 16:45
1M93841.D	AC69201-016(10X)	11/13/12 17:01
1M93842.D	AC69201-019(10X)	11/13/12 17:17
1M93843.D	AC69201-003(20X)	11/13/12 17:34
1M93844.D	AC69201-002(50X)	11/13/12 17:50
1M93845.D	AC69201-015(50X)	11/13/12 18:06
1M93846.D	AC69201-024(50X)	11/13/12 18:23
1M93847.D	AC69198-008(40uL	11/13/12 18:39
1M93848.D	AC69198-009(400u	11/13/12 18:55
1M93849.D	AC69198-010(400u	11/13/12 19:12
1M93850.D	AC69198-011(400u	11/13/12 19:28
1M93851.D	AC69198-006(MS)	11/13/12 19:44
1M93852.D	AC69198-006(MSD	11/13/12 20:00
1M93853.D	BLK	11/13/12 20:16
1M93854.D	AC69201-005	11/13/12 20:32
1M93855.D	AC69201-006	11/13/12 20:48
1M93856.D	AC69201-007	11/13/12 21:04
1M93857.D	AC69201-009	11/13/12 21:19
1M93858.D	AC69201-011	11/13/12 21:35
1M93859.D	AC69201-013	11/13/12 21:51
1M93860.D	AC69201-014(10X)	11/13/12 22:07
1M93861.D	AC69071-001(MS)	11/13/12 22:22
1M93862.D	AC69071-001(MSD	11/13/12 22:38
1M93863.D	BLK	11/13/12 22:54
1M93864.D	BLK	11/13/12 23:10
1M93865.D	BLK	11/13/12 23:26
1M93866.D	MBS22682	11/13/12 23:42
1M93867.D	MBS22683	11/14/12 23:58
1M93868.D	AC69201-017	11/14/12 00:13
1M93869.D	AC69201-018	11/14/12 00:29
1M93870.D	AC69201-021	11/14/12 00:45
1M93871.D	AC69201-023	11/14/12 01:01
1M93872.D	AC69201-022	11/14/12 01:17
1M93873.D	AC69201-020(10X)	11/14/12 01:33
1M93874.D	MBS22680	11/14/12 01:48
1M93875.D	AC69097-002(MS)	11/14/12 02:04

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 1

Data File: 1M93810.D
Analysis Date: 11/13/12 08:28
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.263 to 4.342 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	22.5	47495	PASS
75	95	30	60	50.4	106558	PASS
95	95	100	100	100.0	211393	PASS
96	95	5	9	7.4	15637	PASS
173	174	0.00	2	0.5	1074	PASS
174	95	50	100	99.0	209379	PASS
175	174	5	9	8.9	18594	PASS
176	174	95	101	98.8	206927	PASS
177	176	5	9	7.7	15960	PASS

1M93876.D	AC69097-002(MS)	11/14/12 02:20
1M93877.D	BLK	11/14/12 02:36
1M93878.D	AC69133-012	11/14/12 02:52
1M93879.D	AC69123-006	11/14/12 03:08
1M93880.D	AC69123-007	11/14/12 03:24
1M93881.D	AC69123-008	11/14/12 03:39
1M93882.D	AC69122-004	11/14/12 03:55
1M93883.D	AC69122-002	11/14/12 04:11
1M93884.D	AC69122-003	11/14/12 04:27
1M93885.D	AC69133-001	11/14/12 04:43
1M93886.D	AC69133-002	11/14/12 04:59
1M93887.D	AC69133-003	11/14/12 05:15
1M93888.D	AC69133-004	11/14/12 05:30
1M93889.D	AC69133-005	11/14/12 05:46
1M93890.D	AC69133-006	11/14/12 06:02
1M93891.D	AC69133-007	11/14/12 06:18
1M93892.D	MBS22681	11/14/12 06:34
1M93893.D	BLK	11/14/12 06:49
1M93894.D	BLK	11/14/12 07:06
1M93895.D	AC69133-001	11/14/12 07:21
1M93896.D	AC69133-002	11/14/12 07:37

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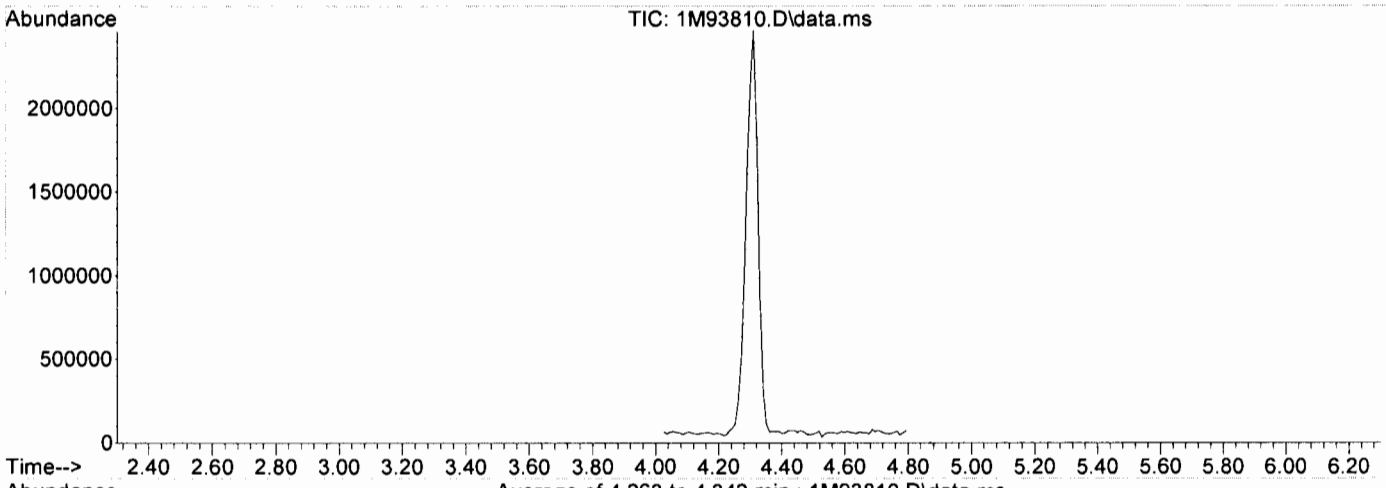
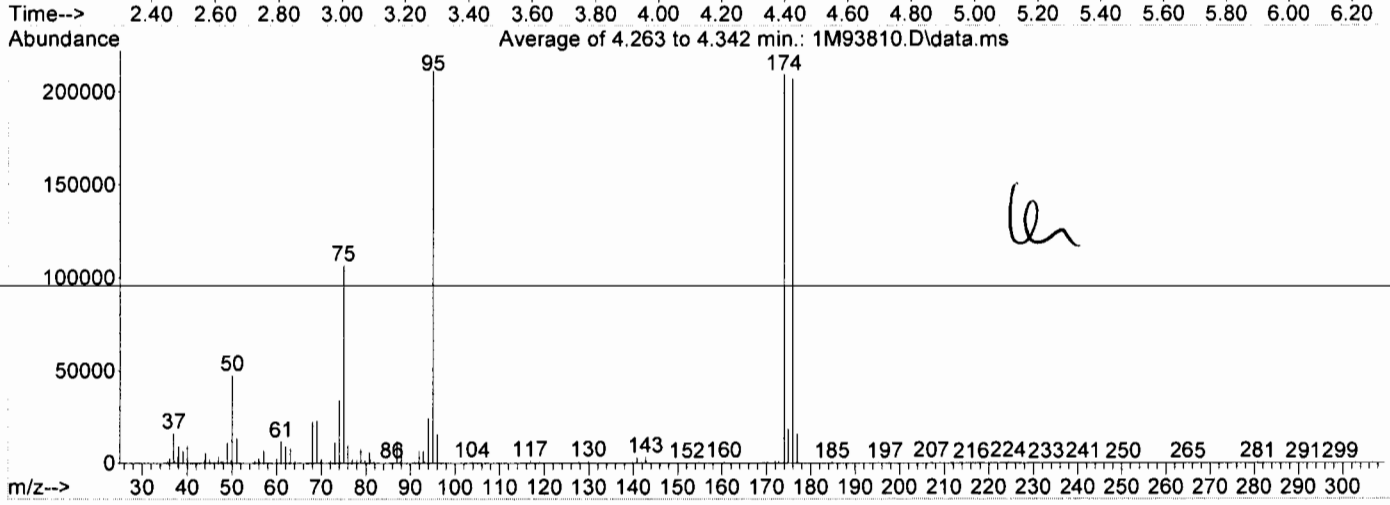
Data Path : G:\GcMsData\2012\gcms_1\Data\11-13-12\
Data File : 1M93810.D
Acq On : 13 Nov 2012 8:28
Operator : SG
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2012\gcms_6\MethodQt\6M_S1106.M
Title : @GCMS_6,ug,624,8260
Last Update : Wed Nov 07 08:23:54 2012





Spectrum Information: Average of 4.263 to 4.342 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.5	47495	PASS
75	95	30	60	50.4	106558	PASS
95	95	100	100	100.0	211393	PASS
96	95	5	9	7.4	15637	PASS
173	174	0.00	2	0.5	1074	PASS
174	95	50	100	99.0	209379	PASS
175	174	5	9	8.9	18594	PASS
176	174	95	101	98.8	206927	PASS
177	176	5	9	7.7	15960	PASS

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_3

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	3M20152.	CAL @ 20 PPB	10/26/12 12:32	2	3M20147.	CAL @ 5 PPB	10/26/12 11:15
3	3M20153.	CAL @ 10 PPB	10/26/12 12:48	4	3M20151.	CAL @ 50 PPB	10/26/12 12:17
5	3M20150.	CAL @ 100 PPB	10/26/12 12:01	6	3M20149.	CAL @ 250 PPB	10/26/12 11:46
7	3M20148.	CAL @ 500 PPB	10/26/12 11:30	8	3M20145.	CAL @ 1 PPB	10/26/12 10:40
9	3M20146.	CAL @ 0.5 PPB	10/26/12 10:59				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Chlorodifluoromethane	1	0	Avg	0.6338	0.5890	0.6252	0.6200	0.5947	0.5905	0.5983	0.6517	-----	0.613	1.33	1.00	1.00	3.8		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dichlorodifluoromethan	1	0	Avg	0.4668	0.4566	0.4710	0.4599	0.4387	0.4548	0.4295	0.4797	-----	0.457	1.33	0.999	1.00	3.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloromethane	1	0	Avg	0.4196	0.4027	0.4355	0.4197	0.4153	0.4210	0.4244	0.4643	-----	0.425	1.46	1.00	1.00	4.3	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromomethane	1	0	Avg	0.2099	0.2113	0.2114	0.2022	0.1817	0.1444	-----	0.2251	-----	0.198	1.76	0.987	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Vinyl Chloride	1	0	Avg	0.3682	0.3442	0.3381	0.3482	0.3316	0.3289	0.3429	0.3423	-----	0.343	1.53	1.00	1.00	3.5	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloroethane	1	0	Avg	0.1850	0.1913	0.1878	0.1848	0.1718	0.1563	0.1403	0.1919	-----	0.176	1.83	0.996	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichlorofluoromethane	1	0	Avg	0.4065	0.3544	0.3607	0.3726	0.3571	0.3506	0.3515	0.4268	-----	0.373	2.01	1.00	1.00	7.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl ether	1	0	Avg	0.1307	0.1210	0.1255	0.1258	0.1230	0.1200	0.1125	0.1601	-----	0.127	2.21	0.999	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Furan	1	0	Avg	0.3559	0.3480	0.3688	0.3571	0.4523	0.4474	0.3240	0.4537	-----	0.388	2.24	0.970	0.997	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.2-Trichloro-1.2.2-tri	1	0	Avg	0.1658	0.1805	0.1882	0.1726	0.1718	0.1555	0.1196	0.1985	-----	0.169	2.37	0.979	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methylene Chloride	1	0	LinF	0.2887	0.3081	0.2978	0.2824	0.2738	0.2658	0.2478	0.4522	-----	0.302	2.73	0.999	1.00	21		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acrolein	1	0	Avg	0.0266	0.0262	0.0255	0.0264	0.0266	0.0259	0.0253	0.0295	-----	0.0266	2.31	1.00	1.00	4.9		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Acrylonitrile	1	0	Avg	0.0797	0.0718	0.0783	0.0812	0.0793	0.0746	0.0664	0.0767	-----	0.0760	2.92	0.996	1.00	6.5		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Iodomethane	1	0	Avg	0.3900	0.3422	0.3934	0.4024	0.3876	0.3776	0.3525	0.3644	-----	0.376	2.50	0.999	1.00	5.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acetone	1	0	LinF	0.0705	0.0710	0.0709	0.0675	0.0668	0.0645	0.0607	0.0976	-----	0.0712	2.42	0.999	1.00	16		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Carbon Disulfide	1	0	Avg	0.7469	0.7041	0.7455	0.7532	0.7432	0.7469	0.6949	0.7753	-----	0.739	2.55	0.999	1.00	3.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
t-Butyl Alcohol	1	0	Avg	0.0159	0.0136	0.0153	0.0156	0.0155	0.0156	0.0163	0.0161	-----	0.0155	2.80	1.00	1.00	5.3		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
n-Hexane	1	0	Avg	0.1883	0.1617	0.1866	0.1842	0.1816	0.1790	0.1670	0.1823	-----	0.179	3.13	0.999	1.00	5.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Di-isopropyl-ether	1	0	Avg	1.0140	0.9133	1.0107	1.0250	1.0016	0.9708	0.8375	0.9635	-----	0.967	3.29	0.994	1.00	6.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1-Dichloroethene	1	0	Avg	0.3840	0.3811	0.4120	0.3964	0.3864	0.3651	0.2819	0.4428	-----	0.381	2.38	0.981	1.00	12	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl Acetate	1	0	Avg	0.2827	0.2809	0.2842	0.2809	0.2838	0.2812	0.2766	0.3260	-----	0.287	2.65	1.00	1.00	5.5		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl-t-butyl ether	1	0	Avg	0.5596	0.4965	0.5452	0.5486	0.5433	0.5005	0.4389	0.5267	0.5512	0.523	2.93	0.995	1.00	7.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
1.1-Dichloroethane	1	0	Avg	0.5285	0.4888	0.5146	0.5169	0.5081	0.4949	0.4525	0.5678	-----	0.509	3.26	0.998	1.00	6.5	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1.2-Dichloroether	1	0	Avg	0.2532	0.2303	0.2500	0.2391	0.2300	0.2095	0.1777	0.2685	-----	0.232	2.93	0.992	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl-t-butyl ether	1	0	Avg	0.8383	0.7159	0.8218	0.8486	0.8445	0.8147	0.7376	0.7688	-----	0.799	3.59	0.997	1.00	6.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1.2-Dichloroethene	1	0	Avg	0.4984	0.4686	0.4869	0.4937	0.4777	0.4473	0.3858	0.5463	-----	0.476	3.73	0.994	1.00	9.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromochloromethane	1	0	Avg	0.2866	0.2696	0.2935	0.2925	0.2856	0.2789	0.2521	0.3039	-----	0.283	3.91	0.997	1.00	5.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2.2-Dichloropropane	1	0	Avg	0.3376	0.3186	0.3464	0.3500	0.3460	0.3281	0.2936	0.3838	-----	0.338	3.73	0.997	1.00	7.8		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl acetate	1	0	Avg	0.3688	0.3266	0.3990	0.3729	0.3792	0.3706	0.3598	0.3576	-----	0.367	3.77	1.00	1.00	5.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.4-Dioxane	1	0	Avg	0.0025	0.0020	0.0025	0.0024	0.0024	0.0021	0.0018	0.0017	-----	0.00221	4.94	0.993	1.00	14		1000.	250.0	500.0	2500.	5000.	1250	2500	50.00	
1.1-Dichloropropene	1	0	Avg	0.4013	0.3641	0.4021	0.3875	0.3716	0.3358	0.2756	0.4054	-----	0.368	4.20	0.988	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloroform	1	0	Avg	0.5109	0.5016	0.5320	0.5118	0.5012	0.4849	0.4536	0.5269	-----	0.503	3.96	0.999	1.00	4.9	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromofluoromethane	1	0	Avg	0.3187	0.3212	0.3157	0.3175	0.3109	0.3012	0.2967	0.3159	0.3221	0.313	4.07	-1	-1	2.8		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Cyclohexane	1	0	Avg	0.3618	0.3227	0.3617	0.3538	0.3558	0.3346	0.3043	0.3291	-----	0.341	4.12	0.997	1.00	6.2		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichloroethane-d4	1	0	Avg	0.1765	0.1745	0.1772	0.1801	0.1778	0.1784	0.1784	0.1768	0.1750	0.177	4.29	-1	-1	0.99		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
1.2-Dichloroethane	1	0	Avg	0.4280	0.4210	0.4335	0.4207	0.4086	0.3726	0.3204	0.4920	0.5063	0.423	4.35	0.993	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
2-Butanone	1	0	Avg	0.1041	0.0928	0.0914	0.1099	0.1144	0.1071	0.1004	0.0863	-----	0.101	3.74	0.999	1.00	9.8		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.1-Trichloroethane	1	0	Avg	0.3732	0.3541	0.3753	0.3720	0.3663	0.3536	0.3303	0.3892	-----	0.364	4.09	0.999	1.00	4.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Carbon Tetrachloride	1	0	Avg	0.3131	0.3075	0.3140	0.3106	0.3031	0.2796	0.2417	0.3236	-----	0.299	4.20	0.994	1.00	8.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Vinyl Acetate	1	0	Avg	0.6480	0.5834	0.6490	0.6535	0.6530	0.6222	0.5613	0.6448	-----	0.627	3.29	0.997	1.00	5.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromodichloromethane	1	0	Avg	0.4312	0.4064	0.4297	0.4453	0.4383	0.4258	0.3889	0.4549	-----	0.428	5.02	0.998	1.00	5.0		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Avg Rsd: 9.35

Flags

a - failed the spcc criteria — ** - ccc compound*

b - failed the ccc criteria — *** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note:

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_3

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	3M20152.	CAL @ 20 PPB	10/26/12 12:32	2	3M20147.	CAL @ 5 PPB	10/26/12 11:15
3	3M20153.	CAL @ 10 PPB	10/26/12 12:48	4	3M20151.	CAL @ 50 PPB	10/26/12 12:17
5	3M20150.	CAL @ 100 PPB	10/26/12 12:01	6	3M20149.	CAL @ 250 PPB	10/26/12 11:46
7	3M20148.	CAL @ 500 PPB	10/26/12 11:30	8	3M20145.	CAL @ 1 PPB	10/26/12 10:40
9	3M20146.	CAL @ 0.5 PPB	10/26/12 10:59				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Methylcyclohexane	1	0	Avg	0.2591	0.2205	0.2534	0.2461	0.2408	0.2251	0.1999	0.2293	-----	0.234	4.84	0.996	1.00	8.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromomethane	1	0	Avg	0.2277	0.2174	0.2276	0.2221	0.2134	0.1972	0.1745	0.2233	-----	0.213	4.94	0.996	1.00	8.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichloropropane	1	0	Avg	0.3262	0.3037	0.3288	0.3291	0.3199	0.2993	0.2609	0.3425	-----	0.314	4.87	0.995	1.00	8.1	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichloroethene	1	0	Avg	0.2922	0.2690	0.2906	0.2867	0.2820	0.2571	0.2214	0.2917	-----	0.274	4.72	0.993	1.00	9.0		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Benzene	1	0	Avg	1.0187	0.9850	1.0110	0.9992	0.9580	0.8590	0.6903	1.0830	1.1498	0.973	4.34	0.985	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
tert-Amyl methyl ether	1	0	Avg	0.6522	0.5672	0.6357	0.6658	0.6594	0.6207	0.5424	0.5866	-----	0.616	4.39	0.995	1.00	7.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Iso-propylacetate	1	0	Avg	0.9290	0.7730	0.8686	0.9403	0.9700	0.9366	0.9018	1.2591	-----	0.947	4.36	1.00	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl methacrylate	1	0	Avg	0.3096	0.2126	0.2764	0.3159	0.3217	0.3248	0.3299	0.2760	-----	0.296	4.91	1.00	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromochloromethane	1	0	Avg	0.4320	0.3932	0.4114	0.4381	0.4386	0.4383	0.4247	0.4464	-----	0.428	5.97	1.00	1.00	4.1		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Chloroethylvinylether	1	0	Avg	0.2451	0.2041	0.2324	0.2558	0.2685	0.2621	0.2650	0.1675	-----	0.238	5.19	1.00	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1.3-Dichloropropene	1	0	Avg	0.6600	0.5805	0.6505	0.6855	0.6924	0.6830	0.6609	0.6205	-----	0.654	5.29	1.00	1.00	5.8		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1.3-Dichloroprope	1	0	Avg	0.5733	0.5179	0.5539	0.6103	0.6293	0.6310	0.6206	0.4335	-----	0.571	5.61	1.00	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl methacrylate	1	0	Avg	0.3467	0.2943	0.3199	0.3525	0.3576	0.3572	0.3526	0.2712	-----	0.332	5.64	1.00	1.00	9.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.2-Trichloroethane	1	0	Avg	0.3291	0.3199	0.3463	0.3372	0.3312	0.3178	0.3033	0.3503	-----	0.329	5.73	0.999	1.00	4.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dibromoethane	1	0	Avg	0.3872	0.3569	0.3825	0.3984	0.3948	0.3882	0.3840	0.3740	-----	0.383	6.05	1.00	1.00	3.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.3-Dichloropropane	1	0	Avg	0.6458	0.5879	0.6369	0.6434	0.6248	0.5788	0.5215	0.7082	-----	0.618	5.83	0.997	1.00	9.0		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Methyl-2-Pentanone	1	0	Avg	0.3735	0.3097	0.3645	0.3863	0.4056	0.4069	0.4300	0.3123	-----	0.374	5.37	0.999	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Hexanone	1	0	LinF	0.2684	0.2000	0.2233	0.2654	0.2823	0.2815	0.2932	0.1064	-----	0.240	5.86	1.00	1.00	26		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Tetrachloroethene	1	0	Avg	0.3098	0.2966	0.3073	0.2971	0.2875	0.2632	0.2306	0.3401	-----	0.292	5.82	0.995	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Toluene-d8	1	0	Avg	1.3752	1.3522	1.3599	1.3787	1.3809	1.4398	1.5225	1.3685	1.3319	1.39	5.45	-1	-1	4.2		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Toluene	1	0	Avg	0.8719	0.8226	0.8775	0.8640	0.8383	0.7795	0.6905	0.9365	-----	0.835	5.49	0.996	1.00	8.9	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.1.2-Tetrachloroetha	1	0	Avg	0.3459	0.3384	0.3415	0.3421	0.3349	0.2971	0.2518	0.3552	-----	0.326	6.36	0.991	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chlorobenzene	1	0	Avg	0.9792	0.9516	0.9835	0.9707	0.9388	0.8870	0.7934	1.1103	-----	0.952	6.33	0.996	1.00	9.5	**(0.300)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Butyl acrylate	1	0	LinF	1.3726	0.9970	1.2535	1.5304	1.5637	1.6098	1.6286	0.8752	-----	1.35	6.62	1.00	1.00	21		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Amyl acetate	1	0	LinF	1.6800	1.3073	1.5301	1.8086	1.8847	1.8969	1.8566	0.9235	-----	1.61	6.75	1.00	1.00	21		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromoform	1	0	Avg	0.5164	0.4767	0.4929	0.5523	0.5651	0.5722	0.5893	0.5006	-----	0.533	6.83	1.00	1.00	7.8	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethylbenzene	1	0	Avg	0.7414	0.6186	0.7145	0.7353	0.6589	0.5542	-----	0.6045	-----	0.661	6.38	0.992	1.00	11	*(30)	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1.1.2.2-Tetrachloroetha	1	0	Avg	0.8902	0.8458	0.8752	0.8819	0.8708	0.8141	0.7526	0.9778	-----	0.864	7.07	0.998	1.00	7.5	**(0.300)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromofluorobenzene	1	0	Avg	0.8905	0.9019	0.8798	0.9125	0.9113	0.9289	0.9900	0.8982	0.9133	0.914	7.00	-1	-1	3.5		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Styrene	1	0	Avg	1.9503	1.8053	1.9804	2.0004	1.8532	1.5766	1.2480	1.9395	-----	1.79	6.69	0.981	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
m&p-Xylenes	1	0	Avg	1.0534	1.0188	1.0749	1.0565	0.9778	0.8108	-----	1.1230	1.1695	1.04	6.44	0.992	1.00	10		40.00	10.00	20.00	100.0	200.0	500.0		2.00	1.00
o-Xylene	1	0	Avg	1.0896	1.0445	1.1036	1.0818	0.9902	0.8359	-----	1.0801	-----	1.03	6.68	0.993	1.00	9.2		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
trans-1.4-Dichloro-2-bu	1	0	Avg	0.1746	0.2075	0.2432	0.2550	0.2181	0.2231	0.2095	0.2023	-----	0.217	7.10	0.999	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.3-Dichlorobenzene	1	0	Avg	1.2480	1.1586	1.2128	1.2748	1.2108	1.1322	1.0074	1.2112	-----	1.18	7.68	0.996	1.00	7.1		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.4-Dichlorobenzene	1	0	Avg	1.3393	1.2677	1.3348	1.3267	1.2816	1.2125	1.0995	1.5173	-----	1.30	7.73	0.997	1.00	9.2		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichlorobenzene	1	0	Avg	1.2179	1.1540	1.2375	1.2282	1.2000	1.1392	1.0497	1.2485	-----	1.18	7.98	0.998	1.00	5.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Isopropylbenzene	1	0	Avg	2.5037	2.3280	2.4718	2.5275	2.4650	2.3573	2.0860	2.4983	-----	2.40	6.89	0.996	1.00	6.1		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Cyclohexanone	1	0	LinF	0.0550	0.0557	0.0583	0.0521	0.0530	0.0521	0.0502	0.1017	-----	0.0598	6.98	1.00	1.00	29		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Camphene	1	0	Avg	0.5364	0.4668	0.5276	0.5376	0.5325	0.5075	0.4652	0.4590	-----	0.504	7.07	0.998	1.00	6.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.3-Trichloropropane	1	0	Avg	0.9963	0.8334	0.9487	1.0491	1.0242	0.9388	0.8379	1.1900	-----	0.977	7.11	0.996	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Chlorotoluene	1	0	Avg	1.5923	1.5106	1.6959	1.6222	1.6232	1.4460	1.0590	1.5090	-----	1.51	7.21	0.970	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Avg Rsd: 9.35

Flags

a - failed the spcc criteria — ** - ccc compound*

b - failed the ccc criteria — *** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note:

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_3

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	3M20152.	CAL @ 20 PPB	10/26/12 12:32	2	3M20147.	CAL @ 5 PPB	10/26/12 11:15
3	3M20153.	CAL @ 10 PPB	10/26/12 12:48	4	3M20151.	CAL @ 50 PPB	10/26/12 12:17
5	3M20150.	CAL @ 100 PPB	10/26/12 12:01	6	3M20149.	CAL @ 250 PPB	10/26/12 11:46
7	3M20148.	CAL @ 500 PPB	10/26/12 11:30	8	3M20145.	CAL @ 1 PPB	10/26/12 10:40
9	3M20146.	CAL @ 0.5 PPB	10/26/12 10:59				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
p-Ethyltoluene	1	0	Avg	2.5884	2.4715	2.5346	2.5973	2.4872	2.1812	1.8744	2.6864	-----	2.43	7.21	0.992	1.00	11	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Chlorotoluene	1	0	Avg	1.6390	1.4260	1.5106	1.7072	1.6822	1.5200	1.3337	1.2356	-----	1.51	7.28	0.994	1.00	11	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Propylbenzene	1	0	Avg	2.9451	2.6478	2.9154	2.9831	2.9575	2.8273	2.5036	2.8824	-----	2.83	7.15	0.996	1.00	6.0	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromobenzene	1	0	Avg	1.7979	1.6687	1.7772	1.7991	1.7605	1.6222	1.4148	1.9545	-----	1.72	7.11	0.994	1.00	9.2	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,3,5-Trimethylbenzene	1	0	Avg	1.9352	1.8480	2.0595	1.9538	1.8378	1.6805	1.2677	1.9922	-----	1.82	7.24	0.976	1.00	14	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Butyl methacrylate	1	0	Avg	1.9036	1.4790	1.8234	2.0028	2.0139	1.8697	1.6521	1.5021	-----	1.78	7.26	0.995	1.00	12	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
t-Butylbenzene	1	0	Avg	1.6631	1.5313	1.6817	1.6787	1.6293	1.5486	1.3871	1.6136	-----	1.59	7.45	0.997	1.00	6.3	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,4-Trimethylbenzene	1	0	Avg	2.0854	1.9743	2.0978	2.1096	2.0606	1.9202	1.6967	2.0464	-----	2.00	7.48	0.996	1.00	6.9	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
sec-Butylbenzene	1	0	Avg	2.0469	1.8042	1.9948	2.0441	2.0210	1.9477	1.7733	1.8358	-----	1.93	7.59	0.998	1.00	5.8	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Isopropyltoluene	1	0	Avg	1.6764	1.4470	1.6623	1.6585	1.6111	1.4936	1.3065	1.5194	-----	1.55	7.66	0.995	1.00	8.4	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Butylbenzene	1	0	Avg	1.9381	1.7111	1.9317	1.9472	1.8887	1.8093	1.6276	1.7831	-----	1.83	7.92	0.997	1.00	6.4	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
p-Diethylbenzene	1	0	Avg	0.8597	0.7328	0.8550	0.8757	0.8684	0.8090	0.7256	0.7683	-----	0.812	7.91	0.996	1.00	7.7	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,4,5-Tetramethylber	1	0	Avg	1.4089	1.0835	1.3600	1.4336	1.4602	1.4164	1.3080	1.1015	-----	1.32	8.41	0.998	1.00	11	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2-Dibromo-3-Chloro	1	0	LinF	0.1335	0.1222	0.1300	0.1419	0.1499	0.1465	0.1515	0.0878	-----	0.133	8.47	1.00	1.00	16	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Camphor	1	0	Avg	0.0543	0.0383	0.0516	0.0550	0.0564	0.0510	0.0508	0.0440	0.0510	0.0503	8.94	1.00	1.00	11	200.0	50.00	100.0	500.0	1000.	2500.	5000.	10.00	5.00
Hexachlorobutadiene	1	0	LinF	0.3413	0.2001	0.3383	0.3138	0.3080	0.2661	-----	0.2108	-----	0.283	9.09	0.995	1.00	21	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1,2,4-Trichlorobenzene	1	0	Avg	0.6808	0.5118	0.6873	0.6883	0.6948	0.6458	0.5752	0.5528	-----	0.630	9.01	0.996	1.00	11	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,3-Trichlorobenzene	1	0	LinF	0.6417	0.3895	0.6181	0.5970	0.6173	0.5596	-----	0.4663	-----	0.556	9.33	0.998	1.00	17	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Naphthalene	1	0	LinF	1.6168	1.0557	1.5541	1.5896	1.6611	1.5391	1.3807	1.1098	-----	1.44	9.18	0.996	1.00	16	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Avg Rsd: 9.35

Flags

a - failed the spcc criteria — ** - ccc compound*

b - failed the ccc criteria — *** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note:

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_1

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	1M93638.	CAL @ 20 PPB	11/07/12 10:51	2	1M93633.	CAL @ 5 PPB	11/07/12 09:29
3	1M93639.	CAL @ 10 PPB	11/07/12 11:07	4	1M93637.	CAL @ 50 PPB	11/07/12 10:35
5	1M93636.	CAL @ 100 PPB	11/07/12 10:18	6	1M93635.	CAL @ 250 PPB	11/07/12 10:02
7	1M93634.	CAL @ 500 PPB	11/07/12 09:45	8	1M93644.	CAL @ 1 PPB	11/07/12 12:32
9	1M93632.	CAL @ 0.5 PPB	11/07/12 09:10				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Chlorodifluoromethane	1	0	Avg	0.4427	0.5770	0.6312	0.5817	0.6709	0.4402	0.5425	0.5932	-----	0.560	1.33	0.988	0.990	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dichlorodifluoromethan	1	0	LinF	0.2639	0.3760	0.3813	0.3786	0.4290	0.3678	-----	0.2966	-----	0.356	1.31	0.995	0.998	16		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Chloromethane	1	0	Avg	0.2407	0.2778	0.3162	0.2967	0.3470	0.2860	0.3668	0.3586	-----	0.311	1.44	0.989	0.997	14	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromomethane	1	0	Qua	0.1281	0.1477	0.1352	0.1492	0.1921	0.1353	0.1004	0.2071	-----	0.149	1.75	0.956	0.995	23		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Vinyl Chloride	1	0	LinF	0.1966	0.1739	0.2023	0.2037	0.2361	0.1839	0.2159	0.2869	-----	0.212	1.51	0.994	0.997	17	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloroethane	1	0	LinF	0.0942	0.1456	0.1055	0.0870	0.1228	0.0953	0.1001	0.0739	-----	0.103	1.81	0.997	0.997	22		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichlorofluoromethane	1	0	Avg	0.4665	0.5133	0.4636	0.4495	0.4864	0.3630	0.4711	0.3691	-----	0.448	1.98	0.987	0.995	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl ether	1	0	Avg	0.1396	0.1488	0.1406	0.1547	0.1918	0.1292	0.1281	0.1329	-----	0.146	2.19	0.991	0.993	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Furan	1	0	LinF	0.3815	0.3737	0.3752	0.4316	0.5023	-----	-----	0.3149	-----	0.397	2.22	0.995	1.00	16		20.00	5.00	10.00	50.00	100.0			1.00	
1.1.2-Trichloro-1.2.2-tri	1	0	LinF	0.1951	0.2394	0.2159	0.2143	0.2591	-----	-----	0.1402	-----	0.211	2.36	0.992	1.00	19		20.00	5.00	10.00	50.00	100.0			1.00	
Methylene Chloride	1	0	LinF	0.2757	0.2317	0.2781	0.1705	0.3331	0.2591	0.2416	0.2923	-----	0.260	2.70	0.992	0.995	18		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acrolein	1	0	Avg	0.0419	0.0414	0.0395	0.0459	0.0511	0.0295	0.0387	0.0377	-----	0.0408	2.28	0.979	0.983	15		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Acrylonitrile	1	0	LinF	0.1023	0.0676	0.0929	0.0677	0.1450	0.1121	0.1093	0.0975	-----	0.0994	2.87	0.994	0.995	25		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Iodomethane	1	0	Qua	0.3382	0.2976	0.3316	0.2430	0.4271	0.2767	0.3274	0.1941	0.3452	0.309	2.48	0.989	0.990	22		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
Acetone	1	0	LinF	0.0895	0.0838	0.0851	0.0953	0.1173	-----	-----	0.0700	-----	0.0902	2.38	0.992	1.00	17		100.0	25.00	50.00	250.0	500.0			5.00	
Carbon Disulfide	1	0	LinF	0.7025	0.6001	0.7364	0.4650	0.8034	0.5339	0.6117	0.6527	-----	0.638	2.53	0.990	0.991	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
t-Butyl Alcohol	1	0	LinF	0.0237	0.0208	0.0206	0.0143	0.0301	0.0250	0.0222	0.0402	-----	0.0246	2.77	0.990	0.996	31		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
n-Hexane	1	0	Avg	0.1880	0.1911	0.1759	0.2072	0.2000	0.2082	0.2284	0.2040	-----	0.200	3.14	0.998	1.00	7.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Di-isopropyl-ether	1	0	Avg	1.0693	0.8232	1.0372	1.1234	1.0881	1.0800	0.8965	0.8372	-----	0.994	3.28	0.991	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1-Dichloroethene	1	0	LinF	0.4210	0.3781	0.4219	0.4504	0.5247	-----	-----	0.2175	-----	0.402	2.36	0.995	1.00	26	*(30)	20.00	5.00	10.00	50.00	100.0			1.00	
Methyl Acetate	1	0	LinF	0.3497	0.4082	0.3887	0.2480	0.5009	0.4010	0.4140	0.4479	-----	0.395	2.62	0.996	0.996	19		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl-t-butyl ether	1	0	LinF	0.6533	0.4628	0.5357	0.4179	0.6779	0.6286	0.5887	0.3490	0.5078	0.536	2.92	0.997	0.998	21		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
1.1-Dichloroethane	1	0	Avg	0.5380	0.4924	0.4958	0.4859	0.5334	0.5655	0.4487	0.4784	-----	0.505	3.23	0.986	0.998	7.5	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1.2-Dichloroether	1	0	Avg	0.2492	0.2235	0.2132	0.1654	0.2445	0.2339	0.2179	0.2330	-----	0.223	2.92	0.998	0.999	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl-t-butyl ether	1	0	LinF	0.9220	0.6981	0.7971	0.8679	0.9634	0.9568	-----	0.5129	-----	0.817	3.58	1.00	1.00	20		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
cis-1.2-Dichloroethene	1	0	Avg	0.6062	0.5294	0.5430	0.5602	0.6100	0.5835	0.4888	0.5101	-----	0.554	3.70	0.991	1.00	8.0		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromochloromethane	1	0	Avg	0.3395	0.3439	0.3278	0.3262	0.3204	0.3294	0.2826	0.2500	-----	0.315	3.87	0.994	0.999	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2.2-Dichloropropane	1	0	Avg	0.3810	0.3160	0.3412	0.3814	0.4240	0.4013	0.3398	0.2795	-----	0.358	3.71	0.992	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl acetate	1	0	Avg	0.5598	0.5139	0.5204	0.5337	0.5771	0.5908	0.4916	0.4963	-----	0.535	3.75	0.991	0.999	6.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.4-Dioxane	1	0	Avg	0.0038	0.0030	0.0030	0.0036	0.0036	0.0035	0.0033	0.0036	-----	0.00345	4.95	0.999	1.00	8.6		1000.	250.0	500.0	2500.	5000.	1250	2500	50.00	
1.1-Dichloropropene	1	0	Avg	0.4104	0.4069	0.4308	0.4133	0.4389	0.4068	0.4161	0.2679	-----	0.399	4.20	1.00	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloroform	1	0	Avg	0.5630	0.5144	0.5475	0.5638	0.5697	0.5444	0.4910	0.4327	-----	0.528	3.93	0.997	1.00	8.9	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromofluoromethane	1	0	Avg	0.3039	0.3225	0.3253	0.3353	0.3122	0.3276	0.2785	0.3134	0.3574	0.320	4.04	-1	-1	6.8		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Cyclohexane	1	0	LinF	0.4180	0.3077	0.3719	0.3765	0.4077	0.3586	0.3045	0.2552	-----	0.350	4.14	0.991	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichloroethane-d4	1	0	Avg	0.2017	0.2074	0.2142	0.2002	0.2083	0.2050	0.2286	0.1977	0.2132	0.209	4.29	-1	-1	4.5		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
1.2-Dichloroethane	1	0	Avg	0.5746	0.5504	0.5546	0.5524	0.5724	0.5206	0.5326	0.6066	0.6543	0.569	4.33	1.00	1.00	7.1		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
2-Butanone	1	0	Avg	0.1660	0.1214	0.1341	0.1663	0.1757	0.1587	0.1316	0.1727	-----	0.153	3.70	0.989	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.1-Trichloroethane	1	0	Avg	0.4477	0.4063	0.4363	0.4740	0.4859	0.4705	0.4054	0.3380	-----	0.433	4.08	0.994	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Carbon Tetrachloride	1	0	Avg	0.3856	0.3610	0.3555	0.4025	0.4217	0.3860	0.4202	0.3263	-----	0.382	4.21	0.999	0.999	8.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Vinyl Acetate	1	0	LinF	0.7036	0.6417	0.7369	0.7434	0.7712	0.7811	-----	0.3639	-----	0.677	3.28	1.00	1.00	22		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Bromodichloromethane	1	0	Avg	0.5248	0.4514	0.4963	0.5306	0.5385	0.5404	0.5517	0.4445	-----	0.510	5.03	1.00	1.00	8.1		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Flags
a - failed the spcc criteria — ** - ccc compound*
b - failed the ccc criteria — *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 14.1
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_1

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	1M93638.	CAL @ 20 PPB	11/07/12 10:51	2	1M93633.	CAL @ 5 PPB	11/07/12 09:29
3	1M93639.	CAL @ 10 PPB	11/07/12 11:07	4	1M93637.	CAL @ 50 PPB	11/07/12 10:35
5	1M93636.	CAL @ 100 PPB	11/07/12 10:18	6	1M93635.	CAL @ 250 PPB	11/07/12 10:02
7	1M93634.	CAL @ 500 PPB	11/07/12 09:45	8	1M93644.	CAL @ 1 PPB	11/07/12 12:32
9	1M93632.	CAL @ 0.5 PPB	11/07/12 09:10				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Methylcyclohexane	1	0	Avg	0.3020	0.2245	0.2949	0.3220	0.3128	0.2857	0.2562	0.2131	-----	0.276	4.87	0.996	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromomethane	1	0	Avg	0.2714	0.2973	0.2679	0.2677	0.2633	0.2456	0.2312	0.2674	-----	0.264	4.94	0.999	1.00	7.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichloropropane	1	0	Avg	0.4061	0.3866	0.3916	0.3829	0.3633	0.3443	0.3149	0.4008	-----	0.374	4.86	0.998	1.00	8.3	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichloroethene	1	0	LinF	0.2992	0.2427	0.2702	0.2922	0.2811	0.2664	0.2640	0.1382	-----	0.257	4.73	1.00	1.00	20		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Benzene	1	0	LinF	1.0614	1.0418	0.9906	1.0779	1.0799	1.0036	0.9744	0.6623	1.2839	1.02	4.34	0.999	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
tert-Amyl methyl ether	1	0	LinF	0.7879	0.5761	0.7260	0.7464	0.8115	0.7640	0.7745	0.4663	-----	0.707	4.40	1.00	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Iso-propylacetate	1	0	Avg	1.2602	0.9663	1.2194	1.2586	1.3632	1.2868	1.2692	1.0404	-----	1.21	4.36	1.00	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl methacrylate	1	0	Avg	0.4180	0.2919	0.4193	0.4194	0.4556	0.4186	0.4537	0.3666	-----	0.405	4.92	0.999	0.999	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromochloromethane	1	0	Avg	0.4687	0.4827	0.4620	0.5208	0.5331	0.5289	0.5505	0.4114	-----	0.495	5.98	1.00	1.00	9.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Chloroethylvinylether	1	0	Avg	0.3473	0.2536	0.3203	0.3305	0.3291	0.3110	0.3297	0.2637	-----	0.311	5.19	0.999	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1.3-Dichloropropene	1	0	LinF	0.7674	0.5727	0.6299	0.7387	0.7695	0.7237	0.7537	0.4523	-----	0.676	5.29	1.00	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1.3-Dichloroprope	1	0	LinF	0.7398	0.5166	0.6652	0.7283	0.7454	0.7470	0.6924	0.4052	-----	0.655	5.62	0.999	1.00	19		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl methacrylate	1	0	LinF	0.5002	0.2701	0.4101	0.4467	0.5072	0.4635	0.4707	0.4108	-----	0.435	5.66	1.00	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.2-Trichloroethane	1	0	Avg	0.4454	0.4498	0.4395	0.4252	0.4124	0.4013	0.3659	0.4476	-----	0.423	5.73	0.998	1.00	6.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dibromoethane	1	0	Avg	0.5279	0.4020	0.4914	0.4801	0.4959	0.4737	0.4900	0.4399	-----	0.475	6.06	1.00	1.00	8.1		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.3-Dichloropropane	1	0	Avg	0.7867	0.6138	0.7888	0.7474	0.7200	0.6636	0.6399	0.7141	-----	0.709	5.83	0.999	1.00	9.2		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Methyl-2-Pentanone	1	0	Avg	0.6214	0.5259	0.5362	0.6226	0.6387	0.6012	0.6515	0.6395	-----	0.605	5.37	0.999	1.00	7.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Hexanone	1	0	LinF	0.4091	0.2958	0.4327	0.4429	0.4620	0.4676	0.4593	0.3078	-----	0.410	5.86	1.00	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Tetrachloroethene	1	0	Avg	0.3885	0.3699	0.4215	0.3097	0.3257	0.2894	0.2702	0.3637	-----	0.342	5.84	0.998	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Toluene-d8	1	0	Avg	1.5324	1.3153	1.4947	1.4400	1.4102	1.3814	1.3909	1.4361	1.3637	1.42	5.47	-1	-1	4.7		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Toluene	1	0	Avg	1.0371	0.9099	1.1175	0.9515	0.9290	0.8424	0.8468	0.9575	-----	0.949	5.51	1.00	1.00	9.8	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.1.2-Tetrachloroeth	1	0	Avg	0.4179	0.4095	0.4306	0.4201	0.3893	0.3832	0.3819	0.3992	-----	0.404	6.39	1.00	1.00	4.5		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chlorobenzene	1	0	Avg	1.2228	1.1858	1.0911	1.0927	1.1072	1.0270	1.0364	0.9937	-----	1.09	6.36	1.00	1.00	7.2	**(0.300)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Butyl acrylate	1	0	LinF	1.5160	0.9028	1.1465	1.6274	1.6916	1.8762	1.8902	1.0663	-----	1.46	6.64	1.00	1.00	26		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Amyl acetate	1	0	Avg	2.4984	1.7655	1.9032	2.4128	2.5008	2.5560	2.2537	2.1235	-----	2.25	6.78	0.996	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromoform	1	0	Avg	0.6556	0.6212	0.6102	0.7346	0.6900	0.7855	0.7950	0.6460	-----	0.692	6.85	0.999	1.00	10	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethylbenzene	1	0	Avg	0.7277	0.7144	0.5958	0.7319	0.7180	0.6925	0.6186	0.4520	-----	0.656	6.40	0.996	1.00	15	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.2.2-Tetrachloroeth	1	0	Avg	1.2654	1.2950	1.0468	1.1489	1.1172	1.2111	1.2051	1.3075	-----	1.20	7.08	1.00	1.00	7.6	**(0.300)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromofluorobenzene	1	0	Avg	0.9003	0.8960	0.8568	0.9134	0.8389	1.0243	1.0151	0.8901	0.8556	0.910	7.03	-1	-1	7.3		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Styrene	1	0	Avg	2.0031	1.5292	1.6870	1.9029	1.8113	1.7964	1.6208	1.3097	-----	1.71	6.72	0.997	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
m&p-Xylenes	1	0	Avg	1.1157	0.9048	0.9617	1.0842	1.0239	0.9903	0.9089	0.8372	0.8628	0.966	6.47	0.998	1.00	10		40.00	10.00	20.00	100.0	200.0	500.0	1000.	2.00	1.00
o-Xylene	1	0	LinF	1.1994	0.9231	1.0679	1.0377	0.9863	0.9948	0.8793	0.6004	-----	0.961	6.71	0.996	1.00	18		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1.4-Dichloro-2-bu	1	0	Avg	0.4196	0.3660	0.3692	0.4766	0.4302	0.4533	0.4229	0.2884	-----	0.403	7.12	0.999	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.3-Dichlorobenzene	1	0	Avg	1.5847	1.4529	1.3965	1.5584	1.3492	1.2933	1.2065	1.3175	-----	1.39	7.71	0.998	1.00	9.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.4-Dichlorobenzene	1	0	Avg	1.6636	1.4832	1.3813	1.4662	1.4001	1.4198	1.3662	1.1917	-----	1.42	7.76	1.00	1.00	9.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichlorobenzene	1	0	Avg	1.0877	1.4275	1.3869	1.4426	1.4233	1.3631	1.3408	1.1480	-----	1.33	8.01	1.00	1.00	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Isopropylbenzene	1	0	LinF	2.7130	2.0527	2.3446	2.7897	2.5223	2.9040	2.4556	1.5653	-----	2.42	6.94	0.993	0.998	18		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Cyclohexanone	1	0	LinF	0.0499	0.0448	0.0509	0.0552	0.0471	0.0583	0.0669	0.0314	-----	0.0506	7.00	0.994	1.00	21		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Camphene	1	0	Avg	0.6155	0.4056	0.5544	0.6038	0.5963	0.6258	0.5555	0.5778	-----	0.567	7.12	0.997	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.3-Trichloropropane	1	0	Avg	1.3755	1.1295	1.2341	1.3068	1.3331	1.3803	1.2344	1.2529	-----	1.28	7.12	0.997	1.00	6.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Chlorotoluene	1	0	LinF	1.8985	1.5794	1.7615	1.7389	1.7966	1.7403	-----	1.0750	-----	1.66	7.25	1.00	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0		1.00	

Avg Rsd: 14.1

Flags
a - failed the spcc criteria — ** - ccc compound*
b - failed the ccc criteria — *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note:
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_1

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	1M93638.	CAL @ 20 PPB	11/07/12 10:51	2	1M93633.	CAL @ 5 PPB	11/07/12 09:29
3	1M93639.	CAL @ 10 PPB	11/07/12 11:07	4	1M93637.	CAL @ 50 PPB	11/07/12 10:35
5	1M93636.	CAL @ 100 PPB	11/07/12 10:18	6	1M93635.	CAL @ 250 PPB	11/07/12 10:02
7	1M93634.	CAL @ 500 PPB	11/07/12 09:45	8	1M93644.	CAL @ 1 PPB	11/07/12 12:32
9	1M93632.	CAL @ 0.5 PPB	11/07/12 09:10				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
p-Ethyltoluene	1	0	Avg	3.0139	2.5734	2.6611	3.0562	2.9423	2.7218	2.7159	2.1830	-----	2.73	7.24	1.00	1.00	10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Chlorotoluene	1	0	LinF	1.8675	1.6265	1.4748	1.8539	1.8952	1.8482	-----	1.1368	-----	1.67	7.31	1.00	1.00	17	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
n-Propylbenzene	1	0	LinF	3.5423	3.0417	3.2345	3.5226	3.3358	3.4757	-----	1.9864	-----	3.16	7.18	1.00	1.00	17	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Bromobenzene	1	0	Avg	2.3160	1.9400	2.0642	2.2863	2.1964	2.2000	1.9734	1.4474	-----	2.05	7.14	0.997	1.00	14	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,3,5-Trimethylbenzene	1	0	Avg	2.3451	1.9244	2.0917	2.2783	2.0281	2.1578	1.5487	1.8904	-----	2.03	7.28	0.970	0.997	12	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Butyl methacrylate	1	0	Avg	2.5548	2.0802	2.1483	2.3892	2.4411	2.5181	2.1502	1.7231	-----	2.25	7.29	0.994	0.999	12	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
t-Butylbenzene	1	0	LinF	1.9216	1.4214	1.6205	1.8938	1.9126	1.8713	1.8385	1.1610	-----	1.71	7.49	1.00	1.00	17	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,4-Trimethylbenzene	1	0	Avg	2.4604	2.0541	2.2180	2.4422	2.3498	2.4673	2.2282	1.6817	-----	2.24	7.52	0.998	1.00	12	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
sec-Butylbenzene	1	0	LinF	2.4128	1.8994	2.1344	2.4054	2.3386	2.4098	2.2532	1.3695	-----	2.15	7.63	0.999	1.00	17	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Isopropyltoluene	1	0	Avg	2.0023	1.4588	1.8168	1.9586	1.9146	1.7763	1.7036	1.2373	-----	1.73	7.70	0.999	1.00	15	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Butylbenzene	1	0	LinF	2.4040	1.8319	1.5683	2.3891	2.4170	2.3094	2.2812	1.1541	-----	2.04	7.96	1.00	1.00	23	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
p-Diethylbenzene	1	0	LinF	1.0670	0.8231	0.6036	1.0095	1.0181	1.0157	0.9732	0.8346	-----	0.918	7.95	0.999	1.00	17	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,4,5-Tetramethylber	1	0	LinF	1.6280	1.0662	1.0337	1.1129	1.8969	1.8229	1.5652	0.6819	-----	1.35	8.44	0.992	0.998	32	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2-Dibromo-3-Chloro	1	0	LinF	0.1288	0.1938	0.1591	0.1937	0.2051	0.2192	-----	0.1718	-----	0.182	8.49	0.999	0.999	17	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Camphor	1	0	LinF	0.0496	0.0285	0.0532	0.0740	0.0762	0.0784	0.0785	0.0329	0.0210	0.0548	8.97	1.00	1.00	42	200.0	50.00	100.0	500.0	1000.	2500.	5000.	10.00	5.00
Hexachlorobutadiene	1	0	LinF	0.3026	0.4002	0.4828	0.3130	0.3155	0.3660	0.3244	0.2607	-----	0.346	9.14	0.996	0.998	20	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,4-Trichlorobenzene	1	0	LinF	1.0846	0.7848	0.8327	0.9930	0.6832	0.7595	0.8224	1.0851	-----	0.881	9.04	0.997	0.999	17	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,3-Trichlorobenzene	1	0	Avg	1.0057	0.7377	0.8831	0.8582	0.8931	0.7590	0.7398	0.7328	-----	0.826	9.37	0.998	0.999	12	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Naphthalene	1	0	LinF	2.6544	1.2911	2.0919	2.4196	2.5234	1.7031	1.8417	1.6042	-----	2.02	9.21	0.992	0.992	24	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Avg Rsd: 14.1

Flags

a - failed the spcc criteria — ** - ccc compound*

b - failed the ccc criteria — *** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note:

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

211211 0107

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 3M20451.D **Instrument:** GCMS 3

Cont Calibration Date/Time 11/8/2012 9:04:00 A Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.49	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.33	18.46				0.613			
Dichlorodifluoromethane	1	0		1.33	21.37	20			0.457	0.489	6.87	
Chloromethane	1	0	CP	1.46	17.94	20	0.1		0.425	0.382	10.30	
Bromomethane	1	0		1.76	20.95	20			0.198	0.207	4.73	
Vinyl Chloride	1	0	CC	1.53	19.83	20	20		0.343	0.340	0.87	
Chloroethane	1	0		1.82	22.51	20			0.176	0.198	12.56	
Trichlorofluoromethane	1	0		2.01	21.77	20			0.373	0.406	8.84	
Ethyl ether	1	0		2.20	17.72	20			0.127	0.113	11.42	
Furan	1	0		2.24	14.93	20			0.388	0.290	25.35	
1,1,2-Trichloro-1,2,2-trifluoroetha	1	0		2.37	24.23	20			0.169	0.205	21.13	
Methylene Chloride	1	0		2.72	21.95	20			0.302	0.277	9.77	
Acrolein	1	0		2.31	92.29	100			0.027	0.025	7.71	
Acrylonitrile	1	0		2.91	19.08	20			0.076	0.073	4.62	
Iodomethane	1	0		2.49	19.24	20			0.376	0.362	3.80	
Acetone	1	0		2.41	98.50	100			0.071	0.061	1.50	
Carbon Disulfide	1	0		2.54	19.13	20			0.739	0.707	4.33	
t-Butyl Alcohol	1	0		2.79	85.08	100			0.016	0.013	14.92	
n-Hexane	1	0		3.12	18.28	20			0.179	0.164	8.58	
Di-isopropyl-ether	1	0		3.29	16.89	20			0.967	0.817	15.56	
1,1-Dichloroethene	1	0	CC	2.37	21.27	20	20		0.381	0.406	6.36	
Methyl Acetate	1	0		2.65	16.55	20			0.287	0.238	17.25	
Methyl-t-butyl ether	1	0		2.92	19.30	20			0.523	0.505	3.49	
1,1-Dichloroethane	1	0	CP	3.25	18.79	20	0.1		0.509	0.478	6.06	
trans-1,2-Dichloroethene	1	0		2.93	20.91	20			0.232	0.243	4.56	
Ethyl-t-butyl ether	1	0		3.58	18.43				0.799			
cis-1,2-Dichloroethene	1	0		3.71	19.02	20			0.476	0.452	4.89	
Bromochloromethane	1	0		3.90	18.09	20			0.283	0.256	9.53	
2,2-Dichloropropane	1	0		3.71	21.55	20			0.338	0.364	7.76	
Ethyl acetate	1	0		3.76	15.39				0.367			
1,4-Dioxane	1	0		4.93	912.22	1000			0.002	0.002	8.78	
1,1-Dichloropropene	1	0		4.18	20.11	20			0.368	0.370	0.53	
Chloroform	1	0	CC	3.94	19.86	20	20		0.503	0.499	0.71	
Dibromofluoromethane	1	0	S	4.06	31.83	30			0.313	0.332	6.09	
Cyclohexane	1	0		4.11	18.35	20			0.341	0.312	8.27	
1,2-Dichloroethane-d4	1	0	S	4.29	29.91	30			0.177	0.177	0.32	
1,2-Dichloroethane	1	0		4.33	20.15	20			0.423	0.426	0.74	
2-Butanone	1	0		3.73	15.21	20			0.101	0.077	23.93	
1,1,1-Trichloroethane	1	0		4.08	21.46	20			0.364	0.391	7.32	
Carbon Tetrachloride	1	0		4.19	22.87	20			0.299	0.342	14.35	
Vinyl Acetate	1	0		3.29	17.46	20			0.627	0.547	12.70	
Bromodichloromethane	1	0		5.01	20.00	20			0.428	0.428	0.00	
Methylcyclohexane	1	0		4.83	19.53	20			0.234	0.229	2.37	
Dibromomethane	1	0		4.93	22.04	20			0.213	0.235	10.21	
1,2-Dichloropropane	1	0	CC	4.85	18.71	20	20		0.314	0.294	6.44	
Trichloroethene	1	0		4.71	21.76	20			0.274	0.298	8.82	
Benzene	1	0		4.33	19.52	20			0.973	0.949	2.40	
tert-Amyl methyl ether	1	0		4.38	19.09	20			0.616	0.588	4.55	
Chlorobenzene-d5	1	0	I	6.30	30.00	30				0.000	0.00	
Iso-propylacetate	1	0		4.35	14.27				0.947			
Methyl methacrylate	1	0		4.90	15.82				0.296			
Dibromochloromethane	1	0		5.95	19.91	20			0.428	0.426	0.47	
2-Chloroethylvinylether	1	0		5.18	16.36	20			0.238	0.194	18.19	
cis-1,3-Dichloropropene	1	0		5.27	17.87	20			0.654	0.584	10.67	
trans-1,3-Dichloropropene	1	0		5.60	18.22	20			0.571	0.520	8.92	
Ethyl methacrylate	1	0		5.63	15.98				0.332			

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 3M20451.D **Instrument:** GCMS 3

Cont Calibration Date/Time 11/8/2012 9:04:00 A Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,1,2-Trichloroethane	1	0		5.71	19.05	20			0.329	0.314	4.77	
1,2-Dibromoethane	1	0		6.03	18.73	20			0.383	0.359	6.37	
1,3-Dichloropropane	1	0		5.82	18.33	20			0.618	0.567	8.36	
4-Methyl-2-Pentanone	1	0		5.36	15.39	20			0.374	0.287	23.06	
2-Hexanone	1	0		5.85	13.15	20			0.240	0.191	34.25	
Tetrachloroethene	1	0		5.80	21.27	20			0.292	0.310	6.33	
Toluene-d8	1	0	S	5.44	27.98	30			1.390	1.296	6.74	
Toluene	1	0	CC	5.48	18.79	20	20		0.835	0.785	6.05	
1,1,1,2-Tetrachloroethane	1	0		6.36	21.08	20			0.326	0.344	5.41	
Chlorobenzene	1	0	CP	6.32	18.99	20	0.3		0.952	0.904	5.04	
1,4-Dichlorobenzene-d4	1	0	I	7.71	30.00	30				0.000	0.00	
n-Butyl acrylate	1	0		6.60	12.70				1.354			
n-Amyl acetate	1	0		6.74	13.47				1.611			
Bromoform	1	0	CP	6.81	19.69	20	0.1		0.533	0.525	1.53	
Ethylbenzene	1	0	CC	6.36	19.11	20	20		0.661	0.632	4.46	
1,1,2,2-Tetrachloroethane	1	0	CP	7.06	16.76	20	0.3		0.864	0.724	16.19	
Bromofluorobenzene	1	0	S	6.99	30.31	30			0.914	0.923	1.02	
Styrene	1	0		6.68	19.47	20			1.794	1.747	2.63	
m&p-Xylenes	1	0		6.43	37.04	40			1.036	0.959	7.41	
o-Xylene	1	0		6.67	18.79	20			1.032	0.970	6.03	
trans-1,4-Dichloro-2-butene	1	0		7.09	13.93	20			0.217	0.151	30.35	
1,3-Dichlorobenzene	1	0		7.67	19.41	20			1.182	1.147	2.93	
1,4-Dichlorobenzene	1	0		7.72	18.95	20			1.297	1.229	5.25	
1,2-Dichlorobenzene	1	0		7.96	18.87	20			1.184	1.117	5.67	
Isopropylbenzene	1	0		6.88	18.51	20			2.405	2.226	7.44	
Cyclohexanone	1	0		6.97	74.68				0.060			
Camphene	1	0		7.06	17.18	20			0.504	0.433	14.12	
1,2,3-Trichloropropane	1	0		7.10	16.89	20			0.977	0.825	15.54	
2-Chlorotoluene	1	0		7.20	18.87	20			1.507	1.422	5.64	
p-Ethyltoluene	1	0		7.19	19.61				2.428			
4-Chlorotoluene	1	0		7.27	19.05	20			1.507	1.435	4.75	
n-Propylbenzene	1	0		7.13	17.99	20			2.833	2.549	10.03	
Bromobenzene	1	0		7.10	17.49	20			1.724	1.508	12.55	
1,3,5-Trimethylbenzene	1	0		7.23	18.82	20			1.822	1.714	5.90	
Butyl methacrylate	1	0		7.24	16.51				1.781			
t-Butylbenzene	1	0		7.44	18.67	20			1.592	1.486	6.65	
1,2,4-Trimethylbenzene	1	0		7.47	18.70	20			1.999	1.869	6.49	
sec-Butylbenzene	1	0		7.57	18.47	20			1.934	1.786	7.64	
4-Isopropyltoluene	1	0		7.65	18.87	20			1.547	1.460	5.63	
n-Butylbenzene	1	0		7.91	17.72	20			1.830	1.621	11.38	
p-Diethylbenzene	1	0		7.89	19.08				0.812			
1,2,4,5-Tetramethylbenzene	1	0		8.39	17.58				1.322			
1,2-Dibromo-3-Chloropropane	1	0		8.46	16.26	20			0.133	0.122	18.71	
Camphor	1	0		8.93	142.55	200			0.050	0.036	28.72	
Hexachlorobutadiene	1	0		9.08	16.13	20			0.283	0.221	19.34	
1,2,4-Trichlorobenzene	1	0		8.99	17.01	20			0.630	0.535	14.96	
1,2,3-Trichlorobenzene	1	0		9.32	14.53	20			0.556	0.413	27.33	
Naphthalene	1	0		9.16	14.95	20			1.438	1.063	25.24	
Freon 113	1	100		0.00	0.00	20				0.000	100.00	
1,2-Dioxane	1	100		0.00	0.00	2000				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound 1 - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 3M20537.D **Instrument:** GCMS 3

Cont Calibration Date/Time 11/9/2012 7:43:00 A Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.49	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.33	21.10				0.613			
Dichlorodifluoromethane	1	0		1.33	20.90	20			0.457	0.478	4.50	
Chloromethane	1	0	CP	1.46	17.88	20	0.1		0.425	0.380	10.61	
Bromomethane	1	0		1.76	20.70	20			0.198	0.205	3.49	
Vinyl Chloride	1	0	CC	1.53	18.54	20	20		0.343	0.318	7.29	
Chloroethane	1	0		1.82	19.58	20			0.176	0.172	2.11	
Trichlorofluoromethane	1	0		2.01	18.63	20			0.373	0.347	6.83	
Ethyl ether	1	0		2.20	16.31	20			0.127	0.104	18.45	
Furan	1	0		2.23	14.20	20			0.388	0.276	29.02	
1,1,2-Trichloro-1,2,2-trifluoroetha	1	0		2.37	22.59	20			0.169	0.191	12.93	
Methylene Chloride	1	0		2.72	20.89	20			0.302	0.264	4.45	
Acrolein	1	0		2.31	83.77	100			0.027	0.022	16.23	
Acrylonitrile	1	0		2.91	17.58	20			0.076	0.067	12.08	
Iodomethane	1	0		2.49	18.98	20			0.376	0.357	5.09	
Acetone	1	0		2.41	92.67	100			0.071	0.057	7.33	
Carbon Disulfide	1	0		2.54	17.52	20			0.739	0.647	12.42	
t-Butyl Alcohol	1	0		2.80	68.13	100			0.016	0.011	31.87	
n-Hexane	1	0		3.13	18.13	20			0.179	0.162	9.33	
Di-isopropyl-ether	1	0		3.29	16.72	20			0.967	0.808	16.41	
1,1-Dichloroethene	1	0	CC	2.37	19.76	20	20		0.381	0.377	1.19	
Methyl Acetate	1	0		2.64	15.89	20			0.287	0.228	20.57	
Methyl-t-butyl ether	1	0		2.92	17.50	20			0.523	0.458	12.48	
1,1-Dichloroethane	1	0	CP	3.25	18.33	20	0.1		0.509	0.466	8.37	
trans-1,2-Dichloroethene	1	0		2.93	20.16	20			0.232	0.234	0.78	
Ethyl-t-butyl ether	1	0		3.58	17.16				0.799			
cis-1,2-Dichloroethene	1	0		3.72	18.83	20			0.476	0.448	5.83	
Bromochloromethane	1	0		3.90	17.89	20			0.283	0.253	10.56	
2,2-Dichloropropane	1	0		3.72	19.18	20			0.338	0.324	4.08	
Ethyl acetate	1	0		3.76	14.86				0.367			
1,4-Dioxane	1	0		4.93	837.04	1000			0.002	0.002	16.30	
1,1-Dichloropropene	1	0		4.18	19.35	20			0.368	0.356	3.24	
Chloroform	1	0	CC	3.94	18.68	20	20		0.503	0.470	6.61	
Dibromofluoromethane	1	0	S	4.06	31.40	30			0.313	0.328	4.66	
Cyclohexane	1	0		4.11	17.70	20			0.341	0.301	11.52	
1,2-Dichloroethane-d4	1	0	S	4.29	29.71	30			0.177	0.176	0.97	
1,2-Dichloroethane	1	0		4.34	18.95	20			0.423	0.400	5.27	
2-Butanone	1	0		3.73	14.10	20			0.101	0.071	29.52	
1,1,1-Trichloroethane	1	0		4.08	19.52	20			0.364	0.356	2.41	
Carbon Tetrachloride	1	0		4.19	20.04	20			0.299	0.300	0.19	
Vinyl Acetate	1	0		3.29	16.81	20			0.627	0.527	15.97	
Bromodichloromethane	1	0		5.02	18.31	20			0.428	0.392	8.43	
Methylcyclohexane	1	0		4.83	18.51	20			0.234	0.217	7.45	
Dibromomethane	1	0		4.93	20.06	20			0.213	0.214	0.31	
1,2-Dichloropropane	1	0	CC	4.85	18.03	20	20		0.314	0.283	9.87	
Trichloroethene	1	0		4.71	19.96	20			0.274	0.273	0.22	
Benzene	1	0		4.32	18.80	20			0.973	0.914	6.00	
tert-Amyl methyl ether	1	0		4.38	17.17	20			0.616	0.529	14.14	
Chlorobenzene-d5	1	0	I	6.30	30.00	30				0.000	0.00	
Iso-propylacetate	1	0		4.35	12.90				0.947			
Methyl methacrylate	1	0		4.90	14.43				0.296			
Dibromochloromethane	1	0		5.95	17.45	20			0.428	0.373	12.77	
2-Chloroethylvinylether	1	0		5.18	15.18	20			0.238	0.180	24.09	
cis-1,3-Dichloropropene	1	0		5.27	16.24	20			0.654	0.531	18.79	
trans-1,3-Dichloropropene	1	0		5.60	16.32	20			0.571	0.466	18.38	
Ethyl methacrylate	1	0		5.63	15.08				0.332			

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 3M20537.D **Instrument:** GCMS 3

Cont Calibration Date/Time 11/9/2012 7:43:00 A Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,1,2-Trichloroethane	1	0		5.71	17.54	20			0.329	0.289	12.32	
1,2-Dibromoethane	1	0		6.03	16.99	20			0.383	0.326	15.06	
1,3-Dichloropropane	1	0		5.82	17.07	20			0.618	0.528	14.64	
4-Methyl-2-Pentanone	1	0		5.36	13.65	20			0.374	0.255	31.75	
2-Hexanone	1	0		5.85	12.27	20			0.240	0.178	38.67	
Tetrachloroethene	1	0		5.80	18.92	20			0.292	0.276	5.40	
Toluene-d8	1	0	S	5.44	27.68	30			1.390	1.283	7.72	
Toluene	1	0	CC	5.48	17.42	20	20		0.835	0.727	12.92	
1,1,1,2-Tetrachloroethane	1	0		6.35	19.01	20			0.326	0.310	4.98	
Chlorobenzene	1	0	CP	6.32	17.86	20	0.3		0.952	0.850	10.68	
1,4-Dichlorobenzene-d4	1	0	I	7.71	30.00	30				0.000	0.00	
n-Butyl acrylate	1	0		6.60	11.30				1.354			
n-Amyl acetate	1	0		6.74	12.14				1.611			
Bromoform	1	0	CP	6.82	15.98	20	0.1		0.533	0.426	20.11	
Ethylbenzene	1	0	CC	6.36	18.10	20	20		0.661	0.598	9.48	
1,1,2,2-Tetrachloroethane	1	0	CP	7.06	15.78	20	0.3		0.864	0.681	21.11	
Bromofluorobenzene	1	0	S	6.99	29.33	30			0.914	0.894	2.24	
Styrene	1	0		6.68	18.20	20			1.794	1.632	9.02	
m&p-Xylenes	1	0		6.43	34.74	40			1.036	0.899	13.15	
o-Xylene	1	0		6.67	17.50	20			1.032	0.903	12.48	
trans-1,4-Dichloro-2-butene	1	0		7.09	16.76	20			0.217	0.182	16.20	
1,3-Dichlorobenzene	1	0		7.67	18.21	20			1.182	1.076	8.96	
1,4-Dichlorobenzene	1	0		7.72	17.38	20			1.297	1.127	13.12	
1,2-Dichlorobenzene	1	0		7.97	17.32	20			1.184	1.026	13.41	
Isopropylbenzene	1	0		6.88	17.23	20			2.405	2.072	13.84	
Cyclohexanone	1	0		6.97	83.90				0.060			
Camphene	1	0		7.06	15.77	20			0.504	0.398	21.13	
1,2,3-Trichloropropane	1	0		7.10	15.21	20			0.977	0.743	23.96	
2-Chlorotoluene	1	0		7.20	18.58	20			1.507	1.400	7.11	
p-Ethyltoluene	1	0		7.19	18.31				2.428			
4-Chlorotoluene	1	0		7.27	17.25	20			1.507	1.300	13.75	
n-Propylbenzene	1	0		7.13	16.69	20			2.833	2.363	16.57	
Bromobenzene	1	0		7.10	16.33	20			1.724	1.408	18.33	
1,3,5-Trimethylbenzene	1	0		7.23	17.40	20			1.822	1.585	13.00	
Butyl methacrylate	1	0		7.24	15.60				1.781			
t-Butylbenzene	1	0		7.44	17.48	20			1.592	1.391	12.60	
1,2,4-Trimethylbenzene	1	0		7.47	17.21	20			1.999	1.720	13.96	
sec-Butylbenzene	1	0		7.57	17.02	20			1.934	1.645	14.93	
4-Isopropyltoluene	1	0		7.65	17.46	20			1.547	1.351	12.69	
n-Butylbenzene	1	0		7.91	16.58	20			1.830	1.517	17.08	
p-Diethylbenzene	1	0		7.89	17.56				0.812			
1,2,4,5-Tetramethylbenzene	1	0		8.39	16.01				1.322			
1,2-Dibromo-3-Chloropropane	1	0		8.46	13.60	20			0.133	0.102	31.99	
Camphor	1	0		8.93	122.67	200			0.050	0.031	38.66	
Hexachlorobutadiene	1	0		9.08	14.44	20			0.283	0.198	27.81	
1,2,4-Trichlorobenzene	1	0		8.99	15.65	20			0.630	0.493	21.73	
1,2,3-Trichlorobenzene	1	0		9.32	12.58	20			0.556	0.358	37.10	
Naphthalene	1	0		9.16	13.09	20			1.438	0.930	34.56	
Freon 113	1	100		0.00	0.00	20				0.000	100.00	
1,2-Dioxane	1	100		0.00	0.00	2000				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 3M20723.D **Instrument:** GCMS 3

Cont Calibration Date/Time 11/13/2012 9:09:00 Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.49	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.33	18.37				0.613			
Dichlorodifluoromethane	1	0		1.33	17.29	20			0.457	0.395	13.54	
Chloromethane	1	0	CP	1.44	21.29	20	0.1		0.425	0.453	6.46	
Bromomethane	1	0		1.76	18.51	20			0.198	0.183	7.43	
Vinyl Chloride	1	0	CC	1.53	16.44	20	20		0.343	0.282	17.79	
Chloroethane	1	0		1.82	17.88	20			0.176	0.157	10.62	
Trichlorofluoromethane	1	0		1.99	20.28	20			0.373	0.378	1.38	
Ethyl ether	1	0		2.19	15.70	20			0.127	0.100	21.51	
Furan	1	0		2.23	18.84	20			0.388	0.366	5.82	
1,1,2-Trichloro-1,2,2-trifluoroetha	1	0		2.35	20.76	20			0.169	0.176	3.82	
Methylene Chloride	1	0		2.71	19.87	20			0.302	0.251	0.65	
Acrolein	1	0		2.29	81.83	100			0.027	0.022	18.17	
Acrylonitrile	1	0		2.91	16.33	20			0.076	0.062	18.35	
Iodomethane	1	0		2.48	17.70	20			0.376	0.333	11.48	
Acetone	1	0		2.40	93.21	100			0.071	0.058	6.79	
Carbon Disulfide	1	0		2.53	16.88	20			0.739	0.623	15.61	
t-Butyl Alcohol	1	0		2.79	66.18	100			0.016	0.010	33.82	
n-Hexane	1	0		3.11	17.93	20			0.179	0.160	10.35	
Di-isopropyl-ether	1	0		3.28	16.47	20			0.967	0.796	17.65	
1,1-Dichloroethene	1	0	CC	2.36	19.32	20	20		0.381	0.368	3.39	
Methyl Acetate	1	0		2.64	14.83	20			0.287	0.213	25.85	
Methyl-t-butyl ether	1	0		2.91	16.75	20			0.523	0.438	16.27	
1,1-Dichloroethane	1	0	CP	3.24	17.47	20	0.1		0.509	0.445	12.64	
trans-1,2-Dichloroethene	1	0		2.91	19.09	20			0.232	0.222	4.57	
Ethyl-t-butyl ether	1	0		3.56	16.64				0.799			
cis-1,2-Dichloroethene	1	0		3.70	18.27	20			0.476	0.434	8.65	
Bromochloromethane	1	0		3.88	16.66	20			0.283	0.236	16.71	
2,2-Dichloropropane	1	0		3.70	19.09	20			0.338	0.323	4.55	
Ethyl acetate	1	0		3.75	15.09				0.367			
1,4-Dioxane	1	0		4.93	859.83	1000			0.002	0.002	14.02	
1,1-Dichloropropene	1	0		4.18	18.74	20			0.368	0.345	6.29	
Chloroform	1	0	CC	3.94	17.64	20	20		0.503	0.444	11.79	
Dibromofluoromethane	1	0	S	4.05	31.52	30			0.313	0.329	5.06	
Cyclohexane	1	0		4.11	17.57	20			0.341	0.299	12.16	
1,2-Dichloroethane-d4	1	0	S	4.28	29.69	30			0.177	0.175	1.05	
1,2-Dichloroethane	1	0		4.33	17.91	20			0.423	0.378	10.46	
2-Butanone	1	0		3.72	13.16	20			0.101	0.066	34.19	
1,1,1-Trichloroethane	1	0		4.07	18.90	20			0.364	0.344	5.52	
Carbon Tetrachloride	1	0		4.18	19.39	20			0.299	0.290	3.06	
Vinyl Acetate	1	0		3.28	16.45	20			0.627	0.516	17.77	
Bromodichloromethane	1	0		5.00	17.46	20			0.428	0.373	12.68	
Methylcyclohexane	1	0		4.82	18.42	20			0.234	0.216	7.91	
Dibromomethane	1	0		4.92	18.58	20			0.213	0.198	7.09	
1,2-Dichloropropane	1	0	CC	4.85	17.19	20	20		0.314	0.270	14.06	
Trichloroethene	1	0		4.71	19.57	20			0.274	0.268	2.17	
Benzene	1	0		4.32	17.95	20			0.973	0.873	10.26	
tert-Amyl methyl ether	1	0		4.37	16.50	20			0.616	0.508	17.49	
Chlorobenzene-d5	1	0	I	6.29	30.00	30				0.000	0.00	
Iso-propylacetate	1	0		4.34	12.99				0.947			
Methyl methacrylate	1	0		4.90	13.67				0.296			
Dibromochloromethane	1	0		5.95	16.63	20			0.428	0.356	16.87	
2-Chloroethylvinylether	1	0		5.17	14.58	20			0.238	0.173	27.11	
cis-1,3-Dichloropropene	1	0		5.27	15.47	20			0.654	0.506	22.65	
trans-1,3-Dichloropropene	1	0		5.59	15.88	20			0.571	0.454	20.58	
Ethyl methacrylate	1	0		5.62	14.02				0.332			

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 3M20723.D **Instrument:** GCMS 3

Cont Calibration Date/Time 11/13/2012 9:09:00 Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,1,2-Trichloroethane	1	0		5.70	16.60	20			0.329	0.273	17.01	
1,2-Dibromoethane	1	0		6.03	16.16	20			0.383	0.310	19.18	
1,3-Dichloropropane	1	0		5.80	16.54	20			0.618	0.511	17.29	
4-Methyl-2-Pentanone	1	0		5.35	13.50	20			0.374	0.252	32.49	
2-Hexanone	1	0		5.84	11.81	20			0.240	0.171	40.97	
Tetrachloroethene	1	0		5.79	18.63	20			0.292	0.272	6.86	
Toluene-d8	1	0	S	5.43	27.69	30			1.390	1.283	7.69	
Toluene	1	0	CC	5.47	16.94	20	20		0.835	0.707	15.30	
1,1,1,2-Tetrachloroethane	1	0		6.35	18.50	20			0.326	0.302	7.49	
Chlorobenzene	1	0	CP	6.30	17.21	20	0.3		0.952	0.819	13.96	
1,4-Dichlorobenzene-d4	1	0	I	7.69	30.00	30				0.000	0.00	
n-Butyl acrylate	1	0		6.60	11.07				1.354			
n-Amyl acetate	1	0		6.73	12.05				1.611			
Bromoform	1	0	CP	6.80	15.44	20	0.1		0.533	0.412	22.79	
Ethylbenzene	1	0	CC	6.36	17.00	20	20		0.661	0.562	14.98	
1,1,2,2-Tetrachloroethane	1	0	CP	7.05	15.58	20	0.3		0.864	0.673	22.12	
Bromofluorobenzene	1	0	S	6.98	29.16	30			0.914	0.888	2.81	
Styrene	1	0		6.67	17.52	20			1.794	1.572	12.39	
m&p-Xylenes	1	0		6.42	33.48	40			1.036	0.867	16.30	
o-Xylene	1	0		6.67	17.14	20			1.032	0.884	14.32	
trans-1,4-Dichloro-2-butene	1	0		7.09	16.91	20			0.217	0.183	15.45	
1,3-Dichlorobenzene	1	0		7.66	17.83	20			1.182	1.054	10.83	
1,4-Dichlorobenzene	1	0		7.71	16.92	20			1.297	1.098	15.40	
1,2-Dichlorobenzene	1	0		7.95	17.03	20			1.184	1.009	14.85	
Isopropylbenzene	1	0		6.88	16.85	20			2.405	2.026	15.74	
Cyclohexanone	1	0		6.96	85.66				0.060			
Camphene	1	0		7.05	16.19	20			0.504	0.408	19.05	
1,2,3-Trichloropropane	1	0		7.09	15.11	20			0.977	0.738	24.45	
2-Chlorotoluene	1	0		7.19	18.37	20			1.507	1.385	8.15	
p-Ethyltoluene	1	0		7.19	18.69				2.428			
4-Chlorotoluene	1	0		7.26	16.52	20			1.507	1.245	17.39	
n-Propylbenzene	1	0		7.12	16.57	20			2.833	2.347	17.15	
Bromobenzene	1	0		7.09	16.23	20			1.724	1.399	18.87	
1,3,5-Trimethylbenzene	1	0		7.22	16.55	20			1.822	1.507	17.27	
Butyl methacrylate	1	0		7.24	15.79				1.781			
t-Butylbenzene	1	0		7.43	16.93	20			1.592	1.348	15.34	
1,2,4-Trimethylbenzene	1	0		7.46	17.10	20			1.999	1.709	14.52	
sec-Butylbenzene	1	0		7.56	16.96	20			1.934	1.640	15.19	
4-Isopropyltoluene	1	0		7.64	17.53	20			1.547	1.356	12.34	
n-Butylbenzene	1	0		7.90	16.16	20			1.830	1.478	19.19	
p-Diethylbenzene	1	0		7.88	17.57				0.812			
1,2,4,5-Tetramethylbenzene	1	0		8.38	16.11				1.322			
1,2-Dibromo-3-Chloropropane	1	0		8.45	13.71	20			0.133	0.103	31.43	
Camphor	1	0		8.92	128.25	200			0.050	0.032	35.87	
Hexachlorobutadiene	1	0		9.07	15.39	20			0.283	0.211	23.07	
1,2,4-Trichlorobenzene	1	0		8.98	15.77	20			0.630	0.497	21.14	
1,2,3-Trichlorobenzene	1	0		9.31	14.40	20			0.556	0.410	28.01	
Naphthalene	1	0		9.16	14.42	20			1.438	1.025	27.89	
Freon 113	1	100		0.00	0.00	20				0.000	100.00	
1,2-Dioxane	1	100		0.00	0.00	2000				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 1M93813.D **Instrument:** GCMS 1

Cont Calibration Date/Time 11/13/2012 9:16:00 Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.50	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.31	17.68				0.560			
Dichlorodifluoromethane	1	0		1.31	16.91	20			0.356	0.318	15.43	
Chloromethane	1	0	CP	1.43	16.27	20	0.1		0.311	0.253	18.64	
Bromomethane	1	0		1.73	13.95	20			0.149	0.124	30.23	
Vinyl Chloride	1	0	CC	1.50	21.26	20	20		0.212	0.224	6.29	
Chloroethane	1	0		1.80	19.65	20			0.103	0.098	1.76	
Trichlorofluoromethane	1	0		1.99	22.90	20			0.448	0.513	14.52	
Ethyl ether	1	0		2.18	21.53	20			0.146	0.157	7.65	
Furan	1	0		2.21	16.38	20			0.397	0.396	18.12	
1,1,2-Trichloro-1,2,2-trifluoroetha	1	0		2.35	18.69	20			0.211	0.232	6.57	
Methylene Chloride	1	0		2.68	21.08	20			0.260	0.261	5.42	
Acrolein	1	0		2.26	89.87	100			0.041	0.037	10.13	
Acrylonitrile	1	0		2.86	18.05	20			0.099	0.100	9.76	
Iodomethane	1	0		2.46	21.75	20			0.309	0.317	8.76	
Acetone	1	0		2.37	80.09	100			0.090	0.090	19.91	
Carbon Disulfide	1	0		2.52	20.87	20			0.638	0.628	4.37	
t-Butyl Alcohol	1	0		2.75	76.97	100			0.025	0.018	23.03	
n-Hexane	1	0		3.12	23.68	20			0.200	0.237	18.39	
Di-isopropyl-ether	1	0		3.27	21.51	20			0.994	1.070	7.57	
1,1-Dichloroethene	1	0	CC	2.35	16.05	20	20		0.402	0.406	19.77	
Methyl Acetate	1	0		2.60	16.52	20			0.395	0.341	17.38	
Methyl-t-butyl ether	1	0		2.90	19.32	20			0.536	0.577	3.42	
1,1-Dichloroethane	1	0	CP	3.21	19.58	20	0.1		0.505	0.494	2.12	
trans-1,2-Dichloroethene	1	0		2.90	19.95	20			0.223	0.222	0.25	
Ethyl-t-butyl ether	1	0		3.57	16.99				0.817			
cis-1,2-Dichloroethene	1	0		3.69	17.90	20			0.554	0.496	10.50	
Bromochloromethane	1	0		3.86	20.03	20			0.315	0.315	0.14	
2,2-Dichloropropane	1	0		3.69	22.07	20			0.358	0.395	10.34	
Ethyl acetate	1	0		3.73	20.17				0.535			
1,4-Dioxane	1	0		4.93	915.14	1000			0.003	0.003	8.49	
1,1-Dichloropropene	1	0		4.18	21.81	20			0.399	0.435	9.07	
Chloroform	1	0	CC	3.92	20.00	20	20		0.528	0.528	0.02	
Dibromofluoromethane	1	0	S	4.03	30.79	30			0.320	0.328	2.62	
Cyclohexane	1	0		4.12	23.23	20			0.350	0.370	16.15	
1,2-Dichloroethane-d4	1	0	S	4.27	28.38	30			0.209	0.197	5.40	
1,2-Dichloroethane	1	0		4.32	18.45	20			0.569	0.525	7.73	
2-Butanone	1	0		3.69	22.33	20			0.153	0.171	11.65	
1,1,1-Trichloroethane	1	0		4.07	19.70	20			0.433	0.427	1.49	
Carbon Tetrachloride	1	0		4.19	19.44	20			0.382	0.372	2.80	
Vinyl Acetate	1	0		3.27	19.32	20			0.677	0.752	3.39	
Bromodichloromethane	1	0		5.01	19.49	20			0.510	0.497	2.54	
Methylcyclohexane	1	0		4.85	22.10	20			0.276	0.306	10.51	
Dibromomethane	1	0		4.93	19.14	20			0.264	0.253	4.28	
1,2-Dichloropropane	1	0	CC	4.85	19.34	20	20		0.374	0.361	3.31	
Trichloroethene	1	0		4.72	21.28	20			0.257	0.282	6.39	
Benzene	1	0		4.32	22.86	20			1.020	1.125	14.31	
tert-Amyl methyl ether	1	0		4.39	17.79	20			0.707	0.688	11.06	
Chlorobenzene-d5	1	0	I	6.32	30.00	30				0.000	0.00	
Iso-propylacetate	1	0		4.34	18.86				1.208			
Methyl methacrylate	1	0		4.91	16.37				0.405			
Dibromochloromethane	1	0		5.96	20.35	20			0.495	0.504	1.76	
2-Chloroethylvinylether	1	0		5.18	18.74	20			0.311	0.291	6.30	
cis-1,3-Dichloropropene	1	0		5.28	18.07	20			0.676	0.676	9.63	
trans-1,3-Dichloropropene	1	0		5.61	17.82	20			0.655	0.628	10.90	
Ethyl methacrylate	1	0		5.65	18.77				0.435			

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 1M93813.D **Instrument:** GCMS 1

Cont Calibration Date/Time 11/13/2012 9:16:00 Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,1,2-Trichloroethane	1	0		5.72	20.39	20			0.423	0.432	1.93	
1,2-Dibromoethane	1	0		6.04	19.35	20			0.475	0.460	3.25	
1,3-Dichloropropane	1	0		5.82	20.30	20			0.709	0.720	1.49	
4-Methyl-2-Pentanone	1	0		5.36	18.73	20			0.605	0.566	6.33	
2-Hexanone	1	0		5.85	19.30	20			0.410	0.445	3.52	
Tetrachloroethene	1	0		5.83	18.63	20			0.342	0.319	6.86	
Toluene-d8	1	0	S	5.46	31.44	30			1.418	1.486	4.80	
Toluene	1	0	CC	5.50	21.65	20	20		0.949	1.027	8.24	
1,1,1,2-Tetrachloroethane	1	0		6.38	17.27	20			0.404	0.349	13.66	
Chlorobenzene	1	0	CP	6.34	19.65	20	0.3		1.095	1.075	1.75	
1,4-Dichlorobenzene-d4	1	0	I	7.73	30.00	30				0.000	0.00	
n-Butyl acrylate	1	0		6.63	12.61				1.465			
n-Amyl acetate	1	0		6.76	16.88				2.252			
Bromoform	1	0	CP	6.83	16.57	20	0.1		0.692	0.574	17.15	
Ethylbenzene	1	0	CC	6.40	18.45	20	20		0.656	0.606	7.73	
1,1,2,2-Tetrachloroethane	1	0	CP	7.07	15.21	20	0.3		1.200	0.912	23.95	
Bromofluorobenzene	1	0	S	7.02	29.25	30			0.910	0.887	2.49	
Styrene	1	0		6.70	18.78	20			1.708	1.603	6.10	
m&p-Xylenes	1	0		6.46	37.65	40			0.966	0.909	5.89	
o-Xylene	1	0		6.70	21.22	20			0.961	0.962	6.12	
trans-1,4-Dichloro-2-butene	1	0		7.10	15.98	20			0.403	0.322	20.12	
1,3-Dichlorobenzene	1	0		7.71	17.10	20			1.395	1.192	14.52	
1,4-Dichlorobenzene	1	0		7.75	18.43	20			1.422	1.310	7.86	
1,2-Dichlorobenzene	1	0		7.99	18.51	20			1.328	1.228	7.47	
Isopropylbenzene	1	0		6.92	17.19	20			2.418	2.189	14.03	
Cyclohexanone	1	0		6.98	87.17				0.051			
Camphene	1	0		7.10	18.51	20			0.567	0.525	7.46	
1,2,3-Trichloropropane	1	0		7.11	16.17	20			1.281	1.035	19.17	
2-Chlorotoluene	1	0		7.23	18.16	20			1.656	1.588	9.19	
p-Ethyltoluene	1	0		7.23	19.73				2.733			
4-Chlorotoluene	1	0		7.30	15.11	20			1.672	1.401	24.43	
n-Propylbenzene	1	0		7.16	16.57	20			3.163	2.865	17.16	
Bromobenzene	1	0		7.12	17.24	20			2.053	1.770	13.78	
1,3,5-Trimethylbenzene	1	0		7.26	16.02	20			2.033	1.628	19.90	
Butyl methacrylate	1	0		7.27	17.02				2.251			
t-Butylbenzene	1	0		7.48	16.83	20			1.705	1.555	15.85	
1,2,4-Trimethylbenzene	1	0		7.50	17.42	20			2.238	1.949	12.92	
sec-Butylbenzene	1	0		7.61	17.40	20			2.153	1.990	12.98	
4-Isopropyltoluene	1	0		7.70	19.28	20			1.734	1.671	3.62	
n-Butylbenzene	1	0		7.95	16.95	20			2.044	1.943	15.23	
p-Diethylbenzene	1	0		7.93	16.45				0.918			
1,2,4,5-Tetramethylbenzene	1	0		8.43	16.52				1.351			
1,2-Dibromo-3-Chloropropane	1	0		8.48	11.46	20			0.182	0.124	42.72	
Camphor	1	0		8.96	105.51	200			0.055	0.041	47.24	
Hexachlorobutadiene	1	0		9.12	14.91	20			0.346	0.248	25.47	
1,2,4-Trichlorobenzene	1	0		9.02	20.90	20			0.881	0.844	4.49	
1,2,3-Trichlorobenzene	1	0		9.35	17.58	20			0.826	0.726	12.11	
Naphthalene	1	0		9.19	20.06	20			2.016	1.847	0.31	
1,2-Dioxane	1	100		0.00	0.00	2000				0.000	100.00	
Freon 113	1	100		0.00	0.00	20				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

FORM8

Internal Standard Areas

Evaluation Std Data File: 3M20152.D Method: EPA 8260B

Analysis Date/Time: 10/26/12 12:32

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	377643	4.50	269596	6.31	137853	7.72						
Eval File Area Limit:	188822-755286		134798-539192		68926-275706							
Eval File Rt Limit:	4-5		5.81-6.81		7.22-8.219999							

Data File	Sample												
3M20143.D	BLK	380451	4.50	259411	6.31	130779	7.72						
3M20144.D	BLK	380445	4.50	265810	6.31	129793	7.72						
3M20145.D	CAL @ 1 PPB	376297	4.50	259647	6.31	130453	7.72						
3M20146.D	CAL @ 0.5 PF	366370	4.50	255141	6.31	124407	7.72						
3M20147.D	CAL @ 5 PPB	373626	4.50	262326	6.31	131507	7.72						
3M20148.D	CAL @ 500 P	390494	4.50	248552	6.31	119367	7.72						
3M20149.D	CAL @ 250 P	380119	4.50	261557	6.31	130550	7.72						
3M20150.D	CAL @ 100 P	380127	4.50	268274	6.31	135288	7.72						
3M20151.D	CAL @ 50 PP	375114	4.50	267101	6.31	133052	7.72						
3M20152.D	CAL @ 20 PP	377643	4.50	269596	6.31	137853	7.72						
3M20153.D	CAL @ 10 PP	375883	4.50	269214	6.31	136501	7.72						
3M20154.D	ICV	371577	4.50	268720	6.31	136003	7.72						
3M20155.D	ICV	376815	4.50	266685	6.31	135652	7.72						
3M20156.D	BLK	369880	4.50	260909	6.31	126926	7.72						
3M20157.D	DAILY BLANK	364908	4.52	259893	6.33	125029	7.74						
3M20158.D	DAILY BLANK	377694	4.50	265502	6.31	132195	7.72						
3M20159.D	MBS22518	366330	4.50	259095	6.31	134691	7.72						
3M20160.D	MBS22519	369044	4.50	263790	6.31	134755	7.72						
3M20161.D	MBS22520	383493	4.51	262489	6.31	136018	7.72						
3M20162.D	BLK	375736	4.50	263346	6.31	127256	7.72						
3M20166.D	69011-005(10	368610	4.50	256051	6.31	123691	7.72						

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 1M93638.D Method: EPA 8260B

Analysis Date/Time: 11/07/12 10:51

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	837933	4.50	602210	6.34	348105	7.75						
Eval File Area Limit:	418966-1675866		301105-1204420		174052-696210							
Eval File Rt Limit:	4-5		5.84-6.84		7.25-8.25							

Data File	Sample											
1M93630.D	BLK	717292	4.50	569783	6.33	340581	7.75					
1M93631.D	1 PPB	641280	4.50	457250	6.34	282688	7.75					
1M93632.D	CAL @ 0.5 PF	677446	4.49	514447	6.34	299670	7.74					
1M93633.D	CAL @ 5 PPB	758817	4.51	569283	6.34	345212	7.75					
1M93634.D	CAL @ 500 P	612589	4.50	455962	6.34	248097	7.75					
1M93635.D	CAL @ 250 P	725861	4.51	570136	6.34	295056	7.75					
1M93636.D	CAL @ 100 P	625544	4.51	471313	6.34	273808	7.75					
1M93637.D	CAL @ 50 PP	822844	4.50	630870	6.34	352119	7.75					
1M93638.D	CAL @ 20 PP	837933	4.50	602210	6.34	348105	7.75					
1M93639.D	CAL @ 10 PP	837378	4.50	557706	6.34	350198	7.75					
1M93640.D	BLK	782365	4.50	546924	6.34	307621	7.75					
1M93641.D	1 PPB	517967	4.50	473594	6.34	260987	7.75					
1M93642.D	20 PPB	677932	4.50	544784	6.34	315402	7.75					
1M93643.D	BLK	769827	4.50	539029	6.34	312845	7.75					
1M93644.D	CAL @ 1 PPB	779534	4.50	553259	6.34	319939	7.75					
1M93645.D	50 PPB	782480	4.51	566912	6.34	320972	7.75					
1M93646.D	ICV	788457	4.51	611811	6.34	334909	7.75					
1M93647.D	BLK	780459	4.50	610798	6.34	347820	7.75					
1M93648.D	DAILY BLANK	794790	4.50	576700	6.34	332092	7.75					
1M93649.D	DAILY BLANK	835814	4.50	597344	6.34	352592	7.75					
1M93650.D	MBS22597	776809	4.50	572482	6.34	353942	7.75					
1M93651.D	MBS22598	868872	4.50	659095	6.34	368942	7.75					
1M93652.D	BLK	777191	4.50	567346	6.34	292434	7.75					
1M93653.D	AC69016-004	797862	4.50	547763	6.34	289151	7.75					
1M93654.D	AC69016-006	823534	4.50	527742	6.34	304609	7.75					
1M93655.D	AC69016-009	820234	4.51	543240	6.34	334101	7.75					
1M93656.D	AC69016-008	769540	4.51	606593	6.34	330980	7.75					
1M93657.D	AC69016-011	702374	4.50	537153	6.34	323957	7.75					
1M93658.D	AC69016-005	708735	4.50	509665	6.34	279861	7.75					
1M93659.D	AC69018-003	737723	4.50	513775	6.34	300920	7.75					
1M93662.D	AC69018-003	795258	4.50	565604	6.34	378417	7.75					
1M93663.D	BLK	638187	4.51	493093	6.34	276054	7.76					
1M93668.D	BLK	595116	4.51	408085	6.34	232121	7.75					
1M93669.D	BLK	714381	4.51	468733	6.34	265565	7.75					

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 3M20451.D Method: EPA 8260B

Analysis Date/Time: 11/08/12 09:04

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	405574	4.49	301397	6.30	160648	7.71						
Eval File Area Limit:	202787-811148		150698-602794		80324-321296							
Eval File Rt Limit:	3.99-4.99		5.8-6.8		7.21-8.21							

Data File	Sample						
3M20450.D	BLKJUG#3	397038	4.49	288806	6.30	149508	7.71
3M20452.D	BLK	396544	4.50	300357	6.30	153492	7.71
3M20453.D	DAILY BLANK	399921	4.49	298897	6.30	155480	7.71
3M20454.D	DAILY BLANK	432664	4.50	323194	6.30	164796	7.71
3M20455.D	MBS22607	409349	4.49	302472	6.30	167769	7.71
3M20456.D	MBS22608	412335	4.50	309026	6.30	167480	7.71
3M20457.D	BLK	400768	4.50	291364	6.30	152590	7.71
3M20467.D	BLK	412200	4.50	307692	6.30	160800	7.71
3M20470.D	AC69144-001	408663	4.50	311382	6.30	156760	7.71
3M20471.D	AC69144-002	405505	4.50	302400	6.30	153541	7.71
3M20472.D	BLK	408179	4.50	306243	6.30	154132	7.71
3M20473.D	AC69086-004	393347	4.50	294709	6.30	148674	7.71
3M20474.D	AC69084-002	397857	4.50	296668	6.30	149317	7.71
3M20475.D	AC69103-020	400727	4.50	298621	6.30	154788	7.71
3M20476.D	AC69059-002	402266	4.50	300174	6.30	156359	7.71
3M20479.D	MBS22613	413558	4.50	315134	6.30	164428	7.71
3M20480.D	AC69018-011(	414082	4.50	315068	6.30	165585	7.71
3M20481.D	AC69018-011(	414841	4.50	318046	6.30	166319	7.71
3M20482.D	BLK	418712	4.50	317980	6.30	165616	7.71
3M20483.D	AC69114-004	414078	4.50	309541	6.30	157990	7.71
3M20484.D	AC69114-005	411971	4.50	310330	6.30	157448	7.71
3M20485.D	AC69126-001	413187	4.50	315346	6.30	161713	7.71
3M20486.D	AC69126-003	412466	4.50	312746	6.30	162665	7.71
3M20487.D	AC69126-005	409153	4.50	308688	6.30	157099	7.71
3M20488.D	AC69126-006(	409451	4.50	307342	6.30	164641	7.71
3M20489.D	AC69126-004(	415077	4.50	315747	6.30	162738	7.71
3M20490.D	AC69126-002(	414037	4.50	317294	6.30	169651	7.71
3M20491.D	MBS22614	423854	4.50	313281	6.30	165761	7.71
3M20492.D	AC69018-009(	423920	4.50	318971	6.30	170521	7.71
3M20493.D	AC69018-009(	423311	4.50	320334	6.30	169237	7.71
3M20494.D	BLK	420966	4.50	320550	6.30	160698	7.71
3M20495.D	BLK	413054	4.50	311328	6.30	161860	7.71
3M20496.D	BLK	418959	4.50	314502	6.30	160679	7.71
3M20497.D	MBS22615	413010	4.50	313452	6.30	166314	7.71
3M20498.D	MBS22616	421581	4.50	321920	6.30	169653	7.71
3M20499.D	BLK	416843	4.50	312529	6.30	163092	7.71
3M20518.D	MBS22618	406566	4.50	315478	6.30	167461	7.71
3M20519.D	BLK	401498	4.49	308994	6.30	157917	7.71
3M20520.D	BLK	409612	4.50	307818	6.30	157150	7.71
3M20521.D	BLK	393838	4.49	298556	6.30	151174	7.71
3M20525.D	MBS22619	407635	4.49	311267	6.30	164918	7.70
3M20526.D	MBS22620	415795	4.49	310232	6.30	167326	7.71
3M20527.D	BLK	405316	4.49	305031	6.30	153330	7.71
3M20528.D	BLK	406850	4.49	309042	6.30	156676	7.71
3M20529.D	BLK	407442	4.49	305238	6.30	153016	7.71
3M20530.D	BLK	403194	4.49	306145	6.30	150546	7.71
3M20531.D	BLK	407612	4.49	303098	6.30	146901	7.71
3M20532.D	BLK	405860	4.49	306886	6.30	144500	7.71
3M20533.D	BLK	399699	4.49	303903	6.30	144811	7.71

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 3M20537.D Method: EPA 8260B

Analysis Date/Time: 11/09/12 07:43

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	407581	4.49	308601	6.30	163276	7.71						
Eval File Area Limit:	203790-815162		154300-617202		81638-326552							
Eval File Rt Limit:	3.99-4.99		5.8-6.8		7.21-8.21							

Data File	Sample						
3M20536.D	BLK	399697	4.49	295888	6.30	144043	7.71
3M20538.D	BLKJUG#2	408043	4.49	305239	6.30	154493	7.71
3M20539.D	DAILY BLANK	410640	4.49	302608	6.29	159797	7.71
3M20540.D	DAILY BLANK	401681	4.50	303270	6.30	154197	7.71
3M20541.D	AC69085-010	408264	4.50	301751	6.30	153715	7.71
3M20542.D	MBS22621	415147	4.49	309631	6.29	169947	7.70
3M20543.D	MBS22622	415126	4.49	312737	6.30	169353	7.71
3M20544.D	AC69085-010(	415485	4.49	312906	6.29	170015	7.70
3M20545.D	AC69085-010(	417810	4.49	312322	6.29	172220	7.70
3M20546.D	BLK	407615	4.49	308588	6.30	159169	7.70
3M20554.D	AC69134-010	397382	4.49	292779	6.30	151704	7.71
3M20555.D	BLK	398751	4.49	299081	6.29	150733	7.71
3M20556.D	BLK	397920	4.49	298111	6.30	152629	7.71
3M20557.D	AC69126-002	396267	4.49	303137	6.29	160746	7.70
3M20558.D	MBS22626	411566	4.49	313751	6.30	167991	7.70
3M20559.D	AC69134-011	403814	4.49	306690	6.29	165562	7.71
3M20560.D	AC69127-003	406352	4.49	313602	6.30	161440	7.71
3M20561.D	AC69127-004	399302	4.49	306577	6.29	160551	7.71
3M20562.D	AC69127-005	410440	4.49	306801	6.30	163308	7.71
3M20563.D	AC69127-006	408655	4.49	311657	6.30	161748	7.71
3M20564.D	AC69127-007	410489	4.49	316158	6.29	157755	7.70
3M20565.D	AC69127-008	409459	4.49	315263	6.30	158952	7.71
3M20566.D	AC69127-009	409449	4.49	312347	6.29	160943	7.70
3M20567.D	AC69127-012(	419613	4.49	305259	6.30	156529	7.71
3M20568.D	AC69127-013(	419720	4.49	308160	6.30	156237	7.71
3M20569.D	AC69127-014(	418893	4.49	309740	6.30	157140	7.71
3M20570.D	AC69127-015	415123	4.49	304519	6.30	153457	7.71
3M20571.D	AC69127-016	412472	4.49	306836	6.29	154319	7.70
3M20572.D	AC69127-017	414527	4.49	303639	6.29	155066	7.70
3M20573.D	AC69127-018	417214	4.49	302726	6.29	151921	7.70
3M20574.D	AC69127-019	411390	4.49	306273	6.29	155685	7.70
3M20575.D	AC69127-021	413156	4.49	305719	6.30	152097	7.70
3M20576.D	AC69127-020	411217	4.49	306413	6.29	147310	7.70
3M20577.D	AC69127-022	412793	4.49	303788	6.29	154232	7.70
3M20578.D	AC69127-023	438810	4.50	322896	6.30	161392	7.71
3M20579.D	AC69059-002(	421918	4.49	313406	6.29	167280	7.70
3M20580.D	AC69059-002(	426034	4.49	316564	6.29	164604	7.70
3M20581.D	BLK	414183	4.49	307681	6.29	158002	7.70
3M20582.D	BLK	420693	4.49	311258	6.29	156743	7.70
3M20583.D	BLK	418339	4.49	305177	6.29	155732	7.70
3M20584.D	MBS22639	414657	4.49	312452	6.29	162677	7.70
3M20585.D	MBS22635	419493	4.49	313938	6.29	165927	7.70
3M20586.D	MBS22636	422231	4.49	312153	6.29	165680	7.70
3M20587.D	BLK	420156	4.49	312671	6.29	156776	7.70
3M20608.D	AC69088-007(	444445	4.49	328821	6.29	174284	7.70
3M20609.D	AC69088-007(	461394	4.49	341377	6.29	180774	7.70
3M20610.D	BLK	455512	4.50	333196	6.29	168230	7.70
3M20611.D	BLK	449146	4.49	330760	6.29	168312	7.70
3M20612.D	MBS22637	461577	4.49	338378	6.29	184427	7.70
3M20613.D	MBS22638	462838	4.49	344163	6.29	183414	7.70
3M20623.D	BLK	450510	4.49	333607	6.29	171299	7.70
3M20624.D	BLK	456652	4.49	338929	6.29	160635	7.70
3M20625.D	BLK	452109	4.49	331733	6.29	163303	7.70

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 3M20537.D Method: EPA 8260B

Analysis Date/Time: 11/09/12 07:43

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	407581	4.49	308601	6.30	163276	7.71						
Eval File Area Limit:	203790-815162		154300-617202		81638-326552							
Eval File Rt Limit:	3.99-4.99		5.8-6.8		7.21-8.21							

Data File	Sample						
3M20626.D	BLK	452630	4.49	339892	6.29	159781	7.69
3M20627.D	BLK	448338	4.49	335946	6.29	159732	7.70
3M20628.D	BLK	443849	4.49	330350	6.29	154293	7.69
3M20629.D	BLK	453074	4.49	333849	6.29	159268	7.69
3M20630.D	BLK	450334	4.49	331761	6.29	156768	7.70

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 1M93813.D Method: EPA 8260B

Analysis Date/Time: 11/13/12 09:16

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	776937	4.50	595046	6.32	377901	7.73						
Eval File Area Limit:	388468-1553874		297523-1190092		188950-755802							
Eval File Rt Limit:	4-5		5.82-6.82		7.23-8.23							

Data File	Sample												
1M93811.D	BLK	823902	4.50	695625	6.32	425834	7.73						
1M93812.D	20 PPB	789172	4.50	668813	6.32	390127	7.73						
1M93814.D	BLK	50024 A	4.39	0 A	0.00 R	0 A	0.00 R						
1M93815.D	DAILY BLANK	810936	4.49	656352	6.32	416923	7.73						
1M93816.D	DAILY BLANK	786320	4.50	619834	6.33	362922	7.75						
1M93818.D	MBS22666	794361	4.48	580565	6.32	360046	7.73						
1M93819.D	MBS22667	869335	4.49	602401	6.33	389102	7.74						
1M93820.D	BLK	757986	4.49	562948	6.33	328702	7.73						
1M93824.D	AC69212-005	778292	4.49	572436	6.33	342638	7.74						
1M93825.D	BLK	691390	4.49	542392	6.33	331182	7.73						
1M93830.D	BLK	763718	4.49	547496	6.33	353117	7.73						
1M93831.D	AC69186-001	740307	4.49	556032	6.33	336905	7.74						
1M93832.D	AC69185-003	765685	4.50	531636	6.32	335378	7.74						
1M93833.D	AC69198-005	718067	4.50	540816	6.32	360509	7.74						
1M93834.D	AC69198-007	757455	4.50	565249	6.32	399852	7.73						
1M93835.D	MBS22669	767237	4.50	576598	6.32	376496	7.74						
1M93847.D	AC69198-008	698151	4.49	586424	6.32	368136	7.73						
1M93848.D	AC69198-009	811274	4.49	637593	6.32	394618	7.73						
1M93849.D	AC69198-010	776662	4.49	593345	6.32	402436	7.73						
1M93850.D	AC69198-011	759223	4.49	657068	6.32	385135	7.73						
1M93851.D	AC69198-006	775970	4.48	666362	6.32	397497	7.73						
1M93852.D	AC69198-006	771460	4.48	593351	6.32	364666	7.73						
1M93853.D	BLK	743493	4.48	589200	6.32	348771	7.73						
1M93861.D	AC69071-001	717125	4.49	583981	6.32	372330	7.73						
1M93862.D	AC69071-001	734194	4.48	603523	6.32	394263	7.73						
1M93863.D	BLK	644619	4.48	567686	6.32	348001	7.73						
1M93864.D	BLK	712570	4.48	548120	6.32	348570	7.73						
1M93865.D	BLK	708579	4.48	515840	6.32	342676	7.73						
1M93866.D	MBS22682	727087	4.48	564223	6.32	368490	7.73						
1M93867.D	MBS22683	692778	4.48	565079	6.32	384794	7.73						
1M93874.D	MBS22680	684738	4.49	573431	6.32	366438	7.73						
1M93875.D	AC69097-002	700478	4.49	525196	6.32	359844	7.73						
1M93876.D	AC69097-002	693979	4.49	507077	6.32	358631	7.73						
1M93877.D	BLK	742681	4.49	571300	6.32	366921	7.74						
1M93892.D	MBS22681	662007	4.48	536093	6.32	387635	7.73						
1M93893.D	BLK	633513	4.49	534231	6.32	333089	7.73						
1M93894.D	BLK	681429	4.48	545139	6.32	350219	7.73						

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1.4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 3M20723.D Method: EPA 8260B

Analysis Date/Time: 11/13/12 09:09

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	397299	4.49	296059	6.29	156929	7.69						
Eval File Area Limit:	198650-794598		148030-592118		78464-313858							
Eval File Rt Limit:	3.99-4.99		5.79-6.79		7.19-8.190001							

Data File	Sample												
3M20721.D	BLK	393208	4.49	282553	6.29	137804	7.69						
3M20722.D	20 PPB	403441	4.49	300874	6.29	157387	7.70						
3M20724.D	BLK	394582	4.49	281475	6.29	144152	7.70						
3M20725.D	DAILY BLANK	396806	4.48	287950	6.29	150655	7.70						
3M20726.D	DAILY BLANK	385284	4.49	281904	6.29	144423	7.70						
3M20727.D	MBS22664	391768	4.48	285999	6.29	155972	7.70						
3M20728.D	MBS22665	399720	4.49	297171	6.29	159311	7.70						
3M20729.D	BLK	392373	4.49	288265	6.29	146538	7.70						
3M20730.D	AC69212-008	391760	4.49	287198	6.29	143109	7.70						
3M20731.D	AC69212-009	386550	4.49	283768	6.29	139711	7.70						
3M20737.D	AC69212-001	378031	4.48	283579	6.29	144667	7.70						
3M20738.D	AC69212-002	385674	4.49	286615	6.29	139302	7.70						
3M20739.D	AC69212-003	371807	4.48	277754	6.29	138892	7.70						
3M20740.D	AC69212-004	398348	4.49	294506	6.29	150210	7.70						
3M20741.D	AC69212-006	407264	4.49	305250	6.29	153292	7.70						
3M20742.D	AC69212-007	409876	4.50	301446	6.30	156776	7.71						
3M20743.D	AC69212-010	413089	4.49	307933	6.29	155106	7.70						
3M20744.D	BLK	412242	4.49	311786	6.30	155372	7.71						
3M20748.D	BLK	381222	4.49	274733	6.29	138042	7.69						
3M20750.D	MBS22671	402126	4.49	300097	6.29	161004	7.70						
3M20751.D	BLKJUG#3	396101	4.48	296133	6.29	150694	7.69						
3M20755.D	AC69213-003(	388607	4.49	297554	6.29	159837	7.69						
3M20756.D	AC69213-003(	392061	4.48	293398	6.28	162599	7.69						
3M20757.D	BLK	390870	4.49	294336	6.29	149862	7.69						
3M20758.D	BLK	383447	4.48	287524	6.28	142955	7.69						
3M20759.D	MBS22675	428794	4.49	320745	6.29	169849	7.69						
3M20760.D	MBS22676	402191	4.49	302660	6.29	160935	7.69						
3M20761.D	BLK	390265	4.48	289563	6.28	146512	7.69						
3M20777.D	BLK	393294	4.48	294093	6.28	145035	7.69						
3M20782.D	BLK	399036	4.49	297605	6.29	152334	7.69						
3M20784.D	MBS22677	416545	4.48	319607	6.28	168534	7.69						
3M20785.D	AC69108-013(	435759	4.48	328917	6.28	177403	7.69						
3M20786.D	AC69108-013(	419069	4.48	312539	6.29	167642	7.69						
3M20787.D	BLK	412392	4.48	302825	6.29	160893	7.69						
3M20788.D	BLK	413323	4.48	307965	6.28	158182	7.69						
3M20789.D	BLK	411915	4.48	311258	6.29	162039	7.69						
3M20790.D	MBS22678	418665	4.48	316543	6.29	168335	7.69						
3M20791.D	MBS22679	420687	4.49	315448	6.29	170767	7.70						

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Flags:

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Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

HC·V
HAMPTONCLARKE·VERITECH

Last Page of Report

HC·V
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175 ROUTE 46 WEST, UNIT D · FAIRFIELD, NJ 07004
2 MADISON ROAD, FAIRFIELD, NJ 07004
800-426-9992 · 973-244-9770
FAX: 973-244-9787

WWW.HCVLAB.COM

Project: EJ1111829.002

Client PO: Not Available

Report To: Whitestone Associates
35 Technology Drive
Warren, NJ 07059

Attn: PAT B.

Received Date: 11/16/2012

Report Date: 12/5/2012

Deliverables: NYDOH-R

Lab ID: AC69321

Lab Project No: 2111626

This report is a true report of results obtained from our tests of this material. The report relates only to those samples received and analyzed by the laboratory. All results meet the requirements of the NELAC Institute standards. Laboratory reports may not be reproduced, except in full, without the written approval of the laboratory.

In lieu of a formal contract document, the total aggregate liability of Veritech to all parties shall not exceed Veritech's total fee for analytical services rendered.

Robin Cousineau - Quality Assurance Director OR **Stanley Gilewicz - Laboratory Director**

NJ (07071) NY (ELAP11408) CT (PH-0671)
PA (68-00463) KY (90124)

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Sample Summary

Client: Whitestone Associates

Project: EJ1111829.002

HCV Project #: 2111626

Lab#	SampleID	Matrix	Collection Date	Receipt Date
AC69321-001	MW-1	Aqueous	11/16/2012	11/16/2012
AC69321-002	MW-2	Aqueous	11/16/2012	11/16/2012

HCV Case Narrative

Client: Whitestone Associates
Project: EJ1111829.002

HCV Project: 2111626

This case narrative is in the form of an exception report. Method specific and/or QA/QC anomalies related to this report only are detailed below.

Volatile Organic Analysis:

Data conforms to method requirements.

Robin Cousineau
Quality Assurance Director

Or

Stanley Gilewicz
Laboratory Director

12/6/2012
Date

HCV Executive Summary

Client: Whitestone Associates

HCV Project #: 2111626

Project: EJ1111829.002

Lab#: AC69321-001 **Sample ID: MW-1**

Analyte	Units	RL	Result	Analytical Method
cis-1,2-Dichloroethene	ug/l	1.0	10	EPA 8260B
Trichloroethene	ug/l	1.0	8.0	EPA 8260B

Lab#: AC69321-002 **Sample ID: MW-2**

Analyte	Units	RL	Result	Analytical Method
cis-1,2-Dichloroethene	ug/l	1.0	7.9	EPA 8260B
Tetrachloroethene	ug/l	1.0	42	EPA 8260B
Trichloroethene	ug/l	1.0	53	EPA 8260B

HCV Report Of Analysis

Client: Whitestone Associates
Project: EJ1111829.002

HCV Project #: 2111626

Sample ID: MW-1
Lab#: AC69321-001
Matrix: Aqueous

Collection Date: 11/16/2012
Receipt Date: 11/16/2012

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichloropropane	1	ug/l	1.0	ND
1,2,4-Trimethylbenzene	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3,5-Trimethylbenzene	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,3-Dichloropropane	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Chloroethylvinylether	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Isopropyltoluene	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Acrolein	1	ug/l	5.0	ND
Acrylonitrile	1	ug/l	2.0	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	**1**	**ug/l**	**1.0**	**10**
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
n-Butylbenzene	1	ug/l	1.0	ND
n-Propylbenzene	1	ug/l	1.0	ND
o-Xylene	1	ug/l	1.0	ND
sec-Butylbenzene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND

NOTE: Soil Results are reported to Dry Weigh

Sample ID: MW-1
Lab#: AC69321-001
Matrix: Aqueous

Collection Date: 11/16/2012
Receipt Date: 11/16/2012

t-Butyl Alcohol	1	ug/l	5.0	ND
t-Butylbenzene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	**1**	**ug/l**	**1.0**	**8.0**
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: MW-2
Lab#: AC69321-002
Matrix: Aqueous

Collection Date: 11/16/2012
Receipt Date: 11/16/2012

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichloropropane	1	ug/l	1.0	ND
1,2,4-Trimethylbenzene	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3,5-Trimethylbenzene	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,3-Dichloropropane	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Chloroethylvinylether	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Isopropyltoluene	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Acrolein	1	ug/l	5.0	ND
Acrylonitrile	1	ug/l	2.0	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	**1**	**ug/l**	**1.0**	**7.9**
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
n-Butylbenzene	1	ug/l	1.0	ND
n-Propylbenzene	1	ug/l	1.0	ND
o-Xylene	1	ug/l	1.0	ND
sec-Butylbenzene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
t-Butyl Alcohol	1	ug/l	5.0	ND
t-Butylbenzene	1	ug/l	1.0	ND
Tetrachloroethene	**1**	**ug/l**	**1.0**	**42**
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND

Sample ID: MW-2
Lab#: AC69321-002
Matrix: Aqueous

Collection Date: 11/16/2012
Receipt Date: 11/16/2012

Trichloroethene	**1**	**ug/l**	**1.0**	**53**
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

HCV Reporting Limit Definitions/Data Qualifiers

REPORTING DEFINITIONS

DF = Dilution Factor

MDL = Method Detection Limit

RL* = Reporting Limit

ND = Not Detected

RT = Retention Time

NA = Not Applicable

**Samples with elevated Reporting Limits (RLs) as a result of a dilution may not achieve client reporting limits in some cases. The elevated RLs are unavoidable consequences of sample dilution required to quantitate target analytes that exceed the calibration range of the instrument.*

DATA QUALIFIERS

B- Indicates analyte was present in the Method Blank and sample.

d- For Pesticide and PCB analysis, the concentration between primary and secondary columns is greater than 40%. The lower concentration is generally reported.

E- Indicates the concentration exceeded the upper calibration range of the instrument.

J- Indicates the value is estimated because it is either a Tentatively Identified Compound (TIC) or the reported concentration is greater than the MDL but less than the RL. For samples results between the MDL and RL there is a possibility of false positives or misidentification at the quantitation levels. Additionally, the acceptance criteria for QC samples may not be met.

Laboratory Chronicle

Client: Whitestone Associates

Project: EJ1111829.002

HCV Project #: 2111626

Lab#: AC69321-001 **Sample ID: MW-1**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	11/16/12 16:45	SG

Lab#: AC69321-002 **Sample ID: MW-2**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	11/16/12 17:01	SG

Chain of Custody

2111626 0011

HamptonClarke-Veritech Laboratories
175 Route 46 West and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1458
Service Center: 137-D Gaither Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056
NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124

HC·V HamptonClarke Veritech Laboratories

CHAIN OF CUSTODY RECORD

A Women-Owned, Disadvantaged, Small Business Enterprise

Project # (Lab Use Only): 2111626

Page 1 of 1

Customer Information

1a) Customer: Whitestone Associates, Inc.
Address: 35 Technology Drive
Warren, NJ 07059
1b) Email/Cell/Fax/Ph: 908-668-7727
1c) Send Invoice to: Whitestone - PAT B
1d) Send Report to: Whitestone - PAT B

Project Information

2a) Project: EJ1111 829.002
2b) Project Mgr: C. Seib
2c) Project Location (City/State): Bronx, NY
2d) Quote/PO # (If Applicable): —

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Deliv.
24 Hours (100%)	Data Summary	Hazsite/CSV
48 Hours (75%)	Waste	EQuIS 4-File / EZ / NYS
72 Hours (50%)	Red / NJ / NY / PA	EQuIS EPA Region 2 or 5
4 Days (35%; TPH)	CLP	Excel - NJ Regulatory
1 Week (25%; EPH)	Full / Category B	Excel - NY Regulatory
10 Days (10%)	Category A	Excel - PA Regulatory
2 Weeks	Other:	PDF
Other:		Other:

Expedited TAT Not Always Available. Please Check with Lab.

FOR LAB USE ONLY ↓

Batch # AC69321

Check If Contingent ===>

Matrix Codes
DW - Drinking Water, S - Soil, A - Air
GW - Ground Water, SL - Sludge
WW - Waste Water, OL - Oil
OT - Other (please specify under item 9, Comments)

7) Analysis Request — <=== Check If Contingent

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Composite (C)	Grab (G)	VOC	8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
-001	MW-1	GW	11/16/12	1250		X	X					3				
-002	MW-2	GW	11/16/12	1310		X	X					3				

10) Relinquished by:	Accepted by:	Date	Time
Patrick Beesley	[signature]	11/16/12	1500

Additional Notes

Comments, Notes, Special Requirements, HAZARDS

Note: Check if low-level groundwater methods required to meet current standards in NJ or PA:
- ☐ BN or BNA (8270C SIM)
- ☐ VOC (8260B SIM or 8011)
- ☐ Metals (ICP-MS 200.8 or 6020)
- ☐ Metals-Soil (ICP-MS 6020 for Be & Ag)

Note: Check if applicable:
- ☐ Project-Specific Reporting Limits
- ☐ High Contaminant Concentrations
- ☐ NJ LSRP Project

Cooler Temperature: 3.2

11) Sampler (print name): Patrick Beesley Date: 11/16/12

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.

CONDITION UPON RECEIPT

Batch Number AC69321

Entered By: maxwell
Date Entered 11/16/2012 3:09:00 PM

1	Yes	Is there a corresponding COC included with the samples?
2	Yes	Are the samples in a container such as a cooler or Ice chest?
3	Yes	Are the COC seals intact?
4	Yes	Please specify the Temperature inside the container (in degC) 3.5
5	Yes	Are the samples refrigerated (where required)/have they arrived on ice?
6	Yes	Are the samples within the holding times for the parameters listed on the COC? IF no, list parameters and samples:
7	Yes	Are all of the sample bottles intact? If no, specify sample numbers broken/leaking
8	Yes	Are all of the sample labels or numbers legible? If no specify:
9	Yes	Do the contents match the COC? If no, specify
10	Yes	Is there enough sample sent for the analyses listed on the COC? If no, specify:
11	Yes	Are samples preserved correctly?
12	Yes	Was temperature blank present (Place comment below if not)? If not was temperature of samples verified?
13	NA	Other comments ...Specify
14	NA	Corrective actions (Specify item number and corrective action taken).

PRESERVATION DOCUMENT

Batch Number AC69321

Entered By: maxwell
Date Entered 11/16/2012 3:10:00 PM

Lab#:	Container Siz	Container Typ	Parameter	Preservative	PH
AC69321-001	40ml	G	VO+10	HCL	1
AC69321-002	40ml	G	VO+10	HCL	1

Internal Chain of Custody

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis
AC69321-001	11/16/12 15:00	MAXW	0	M	Received
AC69321-001	11/16/12 15:09	MAXW	0	M	Login
AC69321-001	11/16/12 16:11	R31	1	A	NONE
AC69321-001	11/16/12 16:18	WP	1	A	VOA
AC69321-001	11/16/12 16:11	R31	2	A	NONE
AC69321-001	11/16/12 16:11	R31	3	A	NONE
AC69321-002	11/16/12 15:00	MAXW	0	M	Received
AC69321-002	11/16/12 15:09	MAXW	0	M	Login
AC69321-002	11/16/12 16:11	R31	1	A	NONE
AC69321-002	11/16/12 16:18	WP	1	A	VOA
AC69321-002	11/16/12 16:11	R31	2	A	NONE
AC69321-002	11/16/12 16:11	R31	3	A	NONE

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis

Samples marked as received are stored in coolers or refrigerator R12, or R24 at 4 deg C until Login

Volatile Data

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC69321-001
Client Id: MW-1
Data File: 1M94111.D
Analysis Date: 11/16/12 16:45
Date Rec/Extracted: 11/16/12-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	**156-59-2**	**cis-1,2-Dichloroethene**	**1.0**	**10**
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U	124-48-1	Dibromochloromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	100-41-4	Ethylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U	136777612	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2	Methylene Chloride	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
106-46-7	1,4-Dichlorobenzene	1.0	U	104-51-8	n-Butylbenzene	1.0	U
123-91-1	1,4-Dioxane	50	U	103-65-1	n-Propylbenzene	1.0	U
78-93-3	2-Butanone	1.0	U	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	U	135-98-8	sec-Butylbenzene	1.0	U
591-78-6	2-Hexanone	1.0	U	100-42-5	Styrene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	98-06-6	t-Butylbenzene	1.0	U
67-64-1	Acetone	10	U	127-18-4	Tetrachloroethene	1.0	U
107-02-8	Acrolein	5.0	U	108-88-3	Toluene	1.0	U
107-13-1	Acrylonitrile	2.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	**79-01-6**	**Trichloroethene**	**1.0**	**8.0**
75-25-2	Bromoform	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
74-83-9	Bromomethane	1.0	U	75-01-4	Vinyl Chloride	1.0	U
75-15-0	Carbon Disulfide	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

Worksheet #: 246204

Total Target Concentration

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

Quantitation Report (QT Reviewed)

2111626 0017

SampleID : AC69321-001 Operator : SG Qt Meth : 1M_A1107.M
Data File: 1M94111.D Sam Mult : 1 Vial# : 22 Qt On : 11/16/12 16:54
Acq On : 11/16/12 16:45 Misc : A,5ML!1 Qt Upd On: 11/07/12 15:15

Data Path : G:\GcMsData\2012\gcms_1\Data\11-16-12\
Qt Path : G:\GcMsData\2012\gcms_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.495	96	747612	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.316	117	661539	30.00	ug/l	-0.02
70) 1,4-Dichlorobenzene-d4	7.734	152	384728	30.00	ug/l	-0.02
System Monitoring Compounds						
37) Dibromofluoromethane	4.032	111	251818	31.62	ug/l	0.00
Spiked Amount 30.000			Recovery	=	105.40%	
39) 1,2-Dichloroethane-d4	4.268	67	158785	30.56	ug/l	-0.02
Spiked Amount 30.000			Recovery	=	101.87%	
66) Toluene-d8	5.460	98	828888	26.50	ug/l	0.00
Spiked Amount 30.000			Recovery	=	88.33%	
76) Bromofluorobenzene	7.025	174	336842	28.86	ug/l	0.00
Spiked Amount 30.000			Recovery	=	96.20%	
Target Compounds						Qvalue
30) cis-1,2-Dichloroethene	3.687	61	142611	10.3309	ug/l	76
49) Trichloroethene	4.721	130	52844	7.9940	ug/l	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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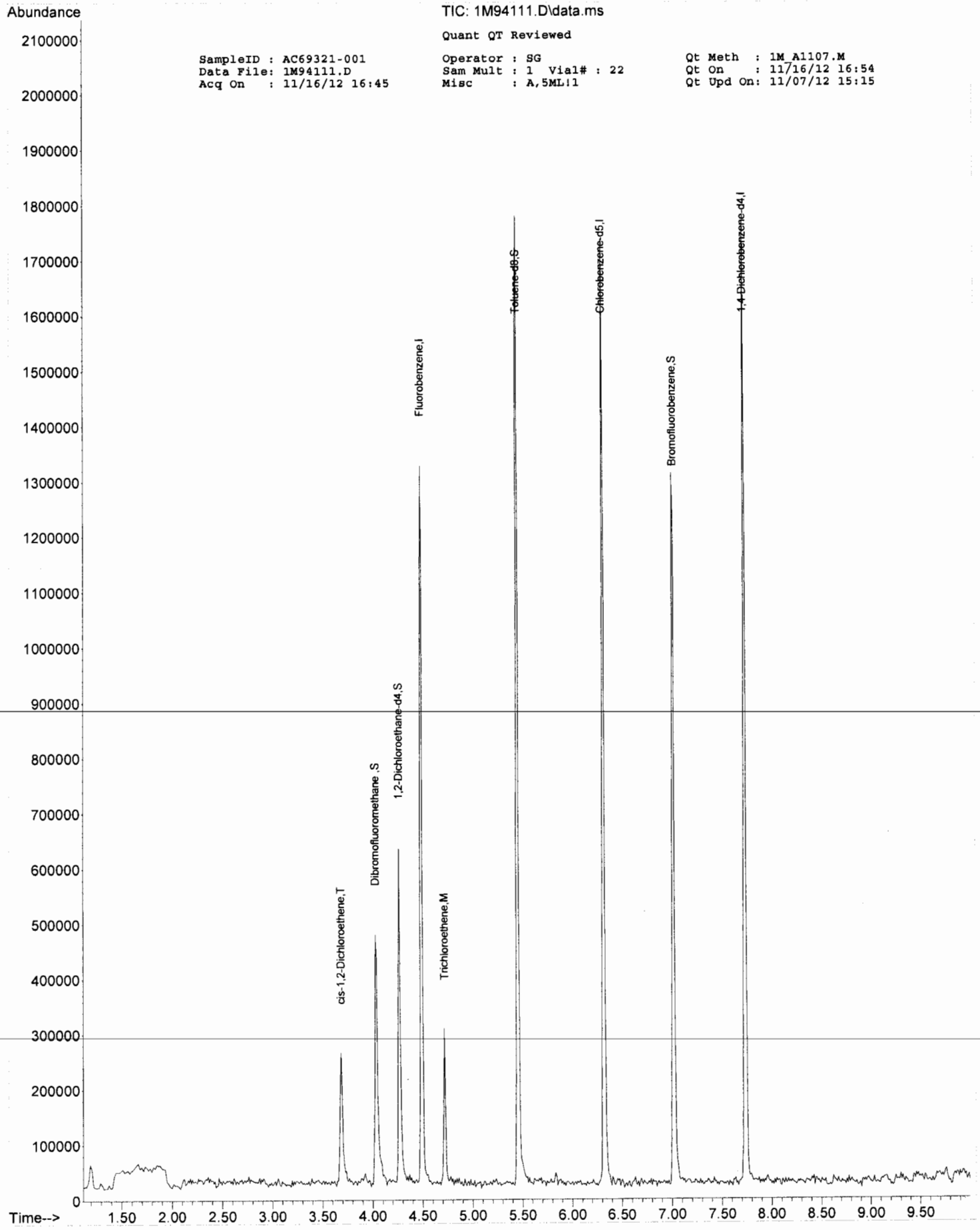
Abundance
TIC: 1M94111.D\data.ms
Quant QT Reviewed
SampleID : AC69321-001
Data File: 1M94111.D
Acq On : 11/16/12 16:45
Operator : SG
Sam Mult : 1 Vial# : 22
Misc : A,5ML;1
Qt Meth : 1M_A1107.M
Qt On : 11/16/12 16:54
Qt Upd On: 11/07/12 15:15
cis-1,2-Dichloroethene,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC69321-002
Client Id: MW-2
Data File: 1M94112.D
Analysis Date: 11/16/12 17:01
Date Rec/Extracted: 11/16/12-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	**156-59-2**	**cis-1,2-Dichloroethene**	**1.0**	**7.9**
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U	124-48-1	Dibromochloromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	100-41-4	Ethylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U	136777612	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2	Methylene Chloride	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
106-46-7	1,4-Dichlorobenzene	1.0	U	104-51-8	n-Butylbenzene	1.0	U
123-91-1	1,4-Dioxane	50	U	103-65-1	n-Propylbenzene	1.0	U
78-93-3	2-Butanone	1.0	U	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	U	135-98-8	sec-Butylbenzene	1.0	U
591-78-6	2-Hexanone	1.0	U	100-42-5	Styrene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	98-06-6	t-Butylbenzene	1.0	U
67-64-1	Acetone	10	U	**127-18-4**	**Tetrachloroethene**	**1.0**	**42**
107-02-8	Acrolein	5.0	U	108-88-3	Toluene	1.0	U
107-13-1	Acrylonitrile	2.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	**79-01-6**	**Trichloroethene**	**1.0**	**53**
75-25-2	Bromoform	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
74-83-9	Bromomethane	1.0	U	75-01-4	Vinyl Chloride	1.0	U
75-15-0	Carbon Disulfide	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

Worksheet #: 246204

Total Target Concentration 100

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

2111626 0020

SampleID : AC69321-002 Operator : SG Qt Meth : 1M_A1107.M
Data File: 1M94112.D Sam Mult : 1 Vial# : 23 Qt On : 11/19/12 07:44
Acq On : 11/16/12 17:01 Misc : A,5ML!1 Qt Upd On: 11/07/12 15:15

Data Path : G:\GcMsData\2012\gcms_1\Data\11-16-12\
Qt Path : G:\GcMsData\2012\gcms_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.495	96	799792	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.317	117	689119	30.00	ug/l	-0.02
70) 1,4-Dichlorobenzene-d4	7.735	152	376572	30.00	ug/l	-0.02
System Monitoring Compounds						
37) Dibromofluoromethane	4.033	111	262753	30.84	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.80%			
39) 1,2-Dichloroethane-d4	4.269	67	162182	29.17	ug/l	-0.02
Spiked Amount 30.000			Recovery = 97.23%			
66) Toluene-d8	5.460	98	864583	26.54	ug/l	0.00
Spiked Amount 30.000			Recovery = 88.47%			
76) Bromofluorobenzene	7.016	174	351382	30.76	ug/l	-0.02
Spiked Amount 30.000			Recovery = 102.53%			
Target Compounds						Qvalue
30) cis-1,2-Dichloroethene	3.688	61	117276	7.9414	ug/l	94
49) Trichloroethene	4.722	130	376072	53.1789	ug/l	96
65) Tetrachloroethene	5.835	164	327418	41.6338	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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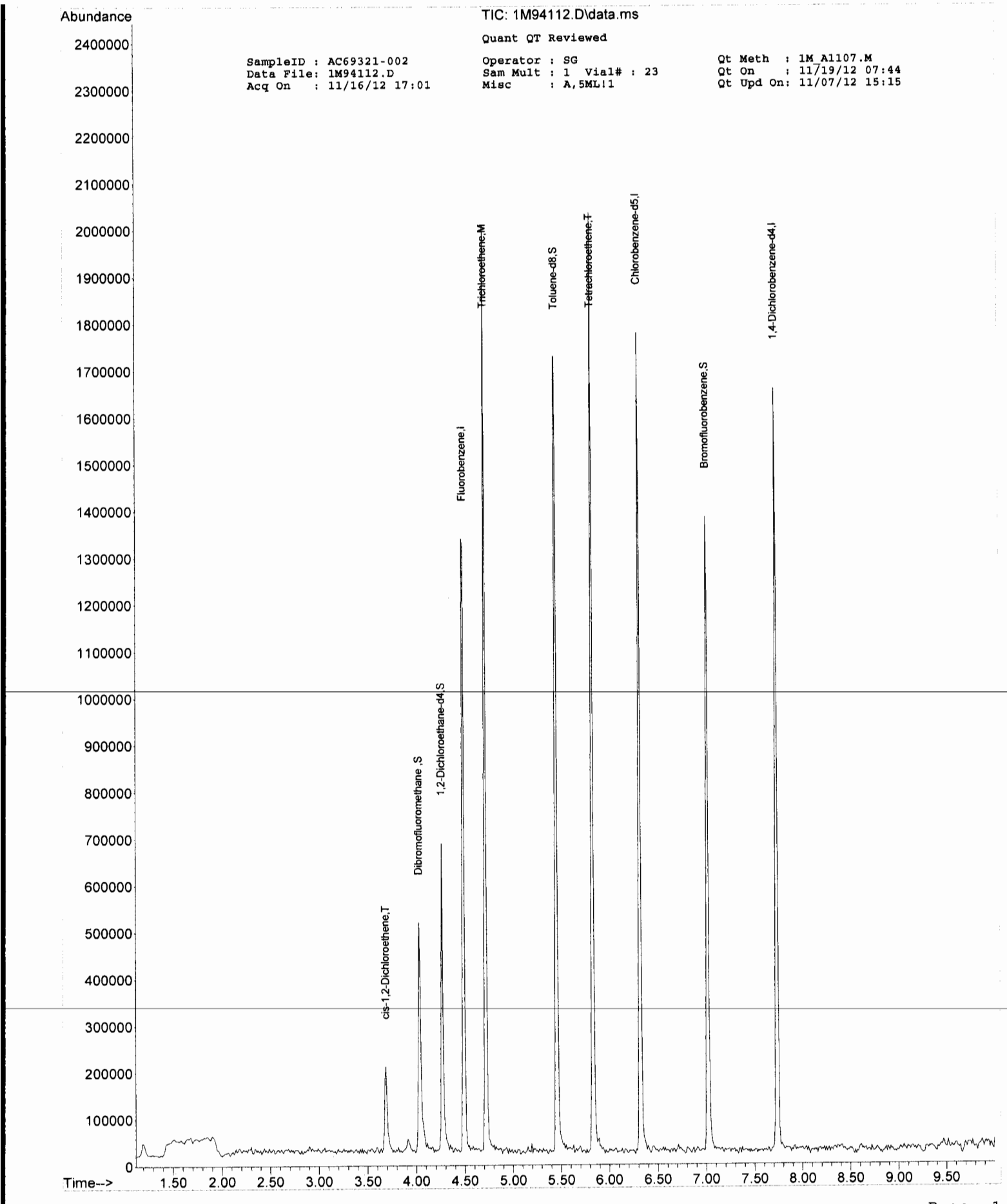
Abundance
TIC: 1M94112.D\data.ms
Quant QT Reviewed
SampleID : AC69321-002
Data File: 1M94112.D
Acq On : 11/16/12 17:01
Operator : SG
Sam Mult : 1 Vial# : 23
Misc : A,5ML;1
Qt Meth : 1M_A1107.M
Qt On : 11/19/12 07:44
Qt Upd On: 11/07/12 15:15
cis-1,2-Dichloroethene,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
Toluene-d8,S
Tetrachloroethene,T
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 1M94094.D
Analysis Date: 11/16/12 12:16
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U	124-48-1	Dibromochloromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	100-41-4	Ethylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U	136777612	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2	Methylene Chloride	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
106-46-7	1,4-Dichlorobenzene	1.0	U	104-51-8	n-Butylbenzene	1.0	U
123-91-1	1,4-Dioxane	50	U	103-65-1	n-Propylbenzene	1.0	U
78-93-3	2-Butanone	1.0	U	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	U	135-98-8	sec-Butylbenzene	1.0	U
591-78-6	2-Hexanone	1.0	U	100-42-5	Styrene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	98-06-6	t-Butylbenzene	1.0	U
67-64-1	Acetone	10	U	127-18-4	Tetrachloroethene	1.0	U
107-02-8	Acrolein	5.0	U	108-88-3	Toluene	1.0	U
107-13-1	Acrylonitrile	2.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	79-01-6	Trichloroethene	1.0	U
75-25-2	Bromoform	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
74-83-9	Bromomethane	1.0	U	75-01-4	Vinyl Chloride	1.0	U
75-15-0	Carbon Disulfide	1.0	U				

Worksheet #: 246204

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

Quantitation Report (QT Reviewed)

2111626 0023

SampleID : DAILY BLANK
Data File: 1M94094.D
Acq On : 11/16/12 12:16

Operator : SG
Sam Mult : 1 Vial# : 5
Misc : A,5ML

Qt Meth : 1M_A1107.M
Qt On : 11/16/12 12:39
Qt Upd On: 11/07/12 15:15

Data Path : G:\GcMsData\2012\gcms_1\Data\11-16-12\
Qt Path : G:\GcMsData\2012\gcms_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.494	96	789349	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.316	117	594944	30.00	ug/l	-0.02
70) 1,4-Dichlorobenzene-d4	7.734	152	342806	30.00	ug/l	-0.02
System Monitoring Compounds						
37) Dibromofluoromethane	4.032	111	248805	29.59	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.63%			
39) 1,2-Dichloroethane-d4	4.268	67	152486	27.79	ug/l	-0.02
Spiked Amount 30.000			Recovery = 92.63%			
66) Toluene-d8	5.459	98	795864	28.29	ug/l	0.00
Spiked Amount 30.000			Recovery = 94.30%			
76) Bromofluorobenzene	7.025	174	313197	30.12	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.40%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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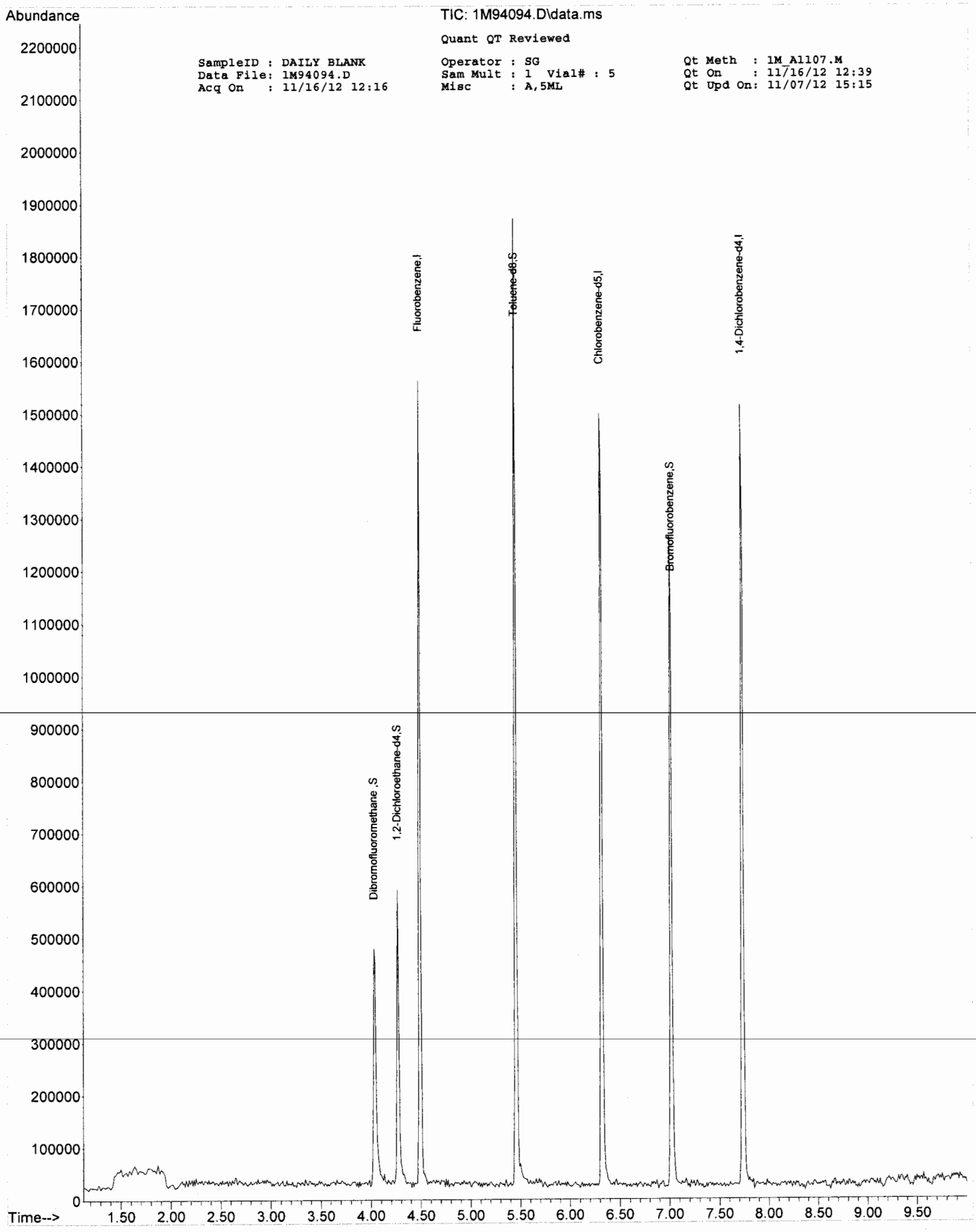
Abundance
TIC: 1M94094.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 1M94094.D
Acq On : 11/16/12 12:16
Operator : SG
Sam Mult : 1 Vial# : 5
Misc : A,5ML
Qt Meth : 1M_A1107.M
Qt On : 11/16/12 12:39
Qt Upd On: 11/07/12 15:15
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

FORM2

Surrogate Recovery

Method: EPA 8260B

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column0 S5 Recov	Column0 S6 Recov
1M93992.D	DAILY BLANK	Aqueous	11/15/12 09:22	1		99	103	99	99		
1M94094.D	DAILY BLANK	Aqueous	11/16/12 12:16	1		99	93	94	100		
1M94111.D	AC69321-001	Aqueous	11/16/12 16:45	1		105	102	88	96		
1M94112.D	AC69321-002	Aqueous	11/16/12 17:01	1		103	97	88	103		
1M93993.D	MBS22703	Aqueous	11/15/12 09:39	1		95	96	105	97		
1M94014.D	AC69269-006	Aqueous	11/15/12 15:30	1		101	104	97	103		
1M94018.D	MBS22712	Aqueous	11/15/12 16:36	1		107	106	93	104		
1M94101.D	MBS22731	Aqueous	11/16/12 14:07	1		101	96	103	96		
1M94117.D	MBS22736	Aqueous	11/16/12 18:20	1		99	100	101	99		
1M94132.D	AC69269-006(	Aqueous	11/16/12 22:17	1		105	106	97	100		
1M94133.D	AC69269-006(	Aqueous	11/16/12 22:33	1		109	103	100	100		

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: EPA 8260B

Aqueous Limits

Compound	Spike Amt	Limits
S1=Dibromofluoromethane	30	73-131
S2=1,2-Dichloroethane-d4	30	78-128
S3=Toluene-d8	30	79-111
S4=Bromofluorobenzene	30	82-112

Form3
Recovery Data
QC Batch: MBS22703

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M93993.D	MBS22703	11/15/2012 9:39:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	17.7833	0	20	89	20	130
1,1-Dichloroethene	1	14.7212	0	20	74	50	130
1,1-Dichloroethane	1	18.9177	0	20	95	50	130
Chloroform	1	18.868	0	20	94	50	130
1,2-Dichloroethane	1	16.5603	0	20	83	50	130
2-Butanone	1	20.2704	0	20	101	20	130
Carbon Tetrachloride	1	17.5696	0	20	88	50	130
Trichloroethene	1	16.9031	0	20	85	50	130
Benzene	1	19.7505	0	20	99	50	130
Tetrachloroethene	1	20.826	0	20	104	50	130
Toluene	1	20.4945	0	20	102	50	130
Chlorobenzene	1	20.4565	0	20	102	50	130
1,4-Dichlorobenzene	1	17.6447	0	20	88	50	130
1,2-Dichlorobenzene	1	18.8185	0	20	94	50	130
n-Propylbenzene	1	16.5098	0	20	83	50	130
sec-Butylbenzene	1	16.4849	0	20	82	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS22712

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M94018.D	MBS22712	11/15/2012 4:36:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	17.4586	0	20	87	20	130
1,1-Dichloroethene	1	13.4651	0	20	67	50	130
1,1-Dichloroethane	1	16.3625	0	20	82	50	130
Chloroform	1	17.3573	0	20	87	50	130
1,2-Dichloroethane	1	14.8763	0	20	74	50	130
2-Butanone	1	17.304	0	20	87	20	130
Carbon Tetrachloride	1	15.8187	0	20	79	50	130
Trichloroethene	1	19.1331	0	20	96	50	130
Benzene	1	17.2833	0	20	86	50	130
Tetrachloroethene	1	17.2507	0	20	86	50	130
Toluene	1	14.7924	0	20	74	50	130
Chlorobenzene	1	15.7299	0	20	79	50	130
1,4-Dichlorobenzene	1	15.2321	0	20	76	50	130
1,2-Dichlorobenzene	1	16.6412	0	20	83	50	130
n-Propylbenzene	1	14.9916	0	20	75	50	130
sec-Butylbenzene	1	15.1204	0	20	76	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS22731

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M94101.D	MBS22731	11/16/2012 2:07:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	14.5407	0	20	73	20	130
1,1-Dichloroethene	1	13.8224	0	20	69	50	130
1,1-Dichloroethane	1	16.6779	0	20	83	50	130
Chloroform	1	16.7974	0	20	84	50	130
1,2-Dichloroethane	1	15.5432	0	20	78	50	130
2-Butanone	1	17.5759	0	20	88	20	130
Carbon Tetrachloride	1	16.362	0	20	82	50	130
Trichloroethene	1	17.0787	0	20	85	50	130
Benzene	1	19.0096	0	20	95	50	130
Tetrachloroethene	1	17.9712	0	20	90	50	130
Toluene	1	18.7771	0	20	94	50	130
Chlorobenzene	1	17.3979	0	20	87	50	130
1,4-Dichlorobenzene	1	16.6385	0	20	83	50	130
1,2-Dichlorobenzene	1	17.7484	0	20	89	50	130
n-Propylbenzene	1	15.2251	0	20	76	50	130
sec-Butylbenzene	1	14.5079	0	20	73	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS22736

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M94117.D	MBS22736	11/16/2012 6:20:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	20.2229	0	20	101	20	130
1,1-Dichloroethene	1	15.1999	0	20	76	50	130
1,1-Dichloroethane	1	18.399	0	20	92	50	130
Chloroform	1	18.3148	0	20	92	50	130
1,2-Dichloroethane	1	17.0084	0	20	85	50	130
2-Butanone	1	20.2224	0	20	101	20	130
Carbon Tetrachloride	1	17.258	0	20	86	50	130
Trichloroethene	1	20.2245	0	20	101	50	130
Benzene	1	20.2648	0	20	101	50	130
Tetrachloroethene	1	20.1082	0	20	101	50	130
Toluene	1	17.678	0	20	88	50	130
Chlorobenzene	1	19.3259	0	20	97	50	130
1,4-Dichlorobenzene	1	18.3655	0	20	92	50	130
1,2-Dichlorobenzene	1	18.5112	0	20	93	50	130
n-Propylbenzene	1	17.3306	0	20	87	50	130
sec-Butylbenzene	1	17.5239	0	20	88	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS22736

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M94132.D	AC69269-006(MS)	11/16/2012 10:17:00 P
Non Spike(If applicable):	1M94014.D	AC69269-006	11/15/2012 3:30:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	20.0881	0	20	100	20	130
1,1-Dichloroethene	1	17.9554	0	20	90	50	130
1,1-Dichloroethane	1	19.5307	0	20	98	50	130
Chloroform	1	20.3084	0	20	102	50	130
1,2-Dichloroethane	1	19.1543	0	20	96	50	130
2-Butanone	1	19.8448	0	20	99	20	130
Carbon Tetrachloride	1	19.5688	0	20	98	50	130
Trichloroethene	1	21.3044	0	20	107	50	130
Benzene	1	22.5892	0	20	113	50	130
Tetrachloroethene	1	18.3763	0	20	92	50	130
Toluene	1	19.7328	0	20	99	50	130
Chlorobenzene	1	19.3924	0	20	97	50	130
1,4-Dichlorobenzene	1	18.3603	0	20	92	50	130
1,2-Dichlorobenzene	1	14.9858	0	20	75	50	130
n-Propylbenzene	1	15.6747	0	20	78	50	130
sec-Butylbenzene	1	13.6333	0	20	68	50	130

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M94133.D	AC69269-006(MSD)	11/16/2012 10:33:00 P
Non Spike(If applicable):	1M94014.D	AC69269-006	11/15/2012 3:30:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	19.3904	0	20	97	20	130
1,1-Dichloroethene	1	17.0999	0	20	85	50	130
1,1-Dichloroethane	1	19.9869	0	20	100	50	130
Chloroform	1	20.2745	0	20	101	50	130
1,2-Dichloroethane	1	18.4291	0	20	92	50	130
2-Butanone	1	18.725	0	20	94	20	130
Carbon Tetrachloride	1	17.9968	0	20	90	50	130
Trichloroethene	1	19.8305	0	20	99	50	130
Benzene	1	22.7048	0	20	114	50	130
Tetrachloroethene	1	20.5893	0	20	103	50	130
Toluene	1	19.4843	0	20	97	50	130
Chlorobenzene	1	17.9367	0	20	90	50	130
1,4-Dichlorobenzene	1	18.0832	0	20	90	50	130
1,2-Dichlorobenzene	1	12.4771	0	20	62	50	130
n-Propylbenzene	1	15.3837	0	20	77	50	130
sec-Butylbenzene	1	16.1251	0	20	81	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
RPD DATA

QC Batch: MBS22736

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M94133.D	AC69269-006(MSD)	11/16/2012 10:33:00 P
Duplicate(If applicable):	1M94132.D	AC69269-006(MS)	11/16/2012 10:17:00 P
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Vinyl Chloride	1	19.3904	20.0881	3.5	40
1,1-Dichloroethene	1	17.0999	17.9554	4.9	40
1,1-Dichloroethane	1	19.9869	19.5307	2.3	40
Chloroform	1	20.2745	20.3084	0.17	40
1,2-Dichloroethane	1	18.4291	19.1543	3.9	40
2-Butanone	1	18.725	19.8448	5.8	40
Carbon Tetrachloride	1	17.9968	19.5688	8.4	40
Trichloroethene	1	19.8305	21.3044	7.2	40
Benzene	1	22.7048	22.5892	0.51	40
Tetrachloroethene	1	20.5893	18.3763	11	40
Toluene	1	19.4843	19.7328	1.3	40
Chlorobenzene	1	17.9367	19.3924	7.8	40
1,4-Dichlorobenzene	1	18.0832	18.3603	1.5	40
1,2-Dichlorobenzene	1	12.4771	14.9858	18	40
n-Propylbenzene	1	15.3837	15.6747	1.9	40
sec-Butylbenzene	1	16.1251	13.6333	17	40

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 1M93992.D
Matrix: Aqueous

Blank Analysis Date: 11/15/12 09:22
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
MBS22712	1M94018.D	11/15/12 16:36
MBS22703	1M93993.D	11/15/12 09:39
AC69269-006	1M94014.D	11/15/12 15:30

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 1M94094.D
Matrix: Aqueous

Blank Analysis Date: 11/16/12 12:16
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC69321-001	1M94111.D	11/16/12 16:45
AC69321-002	1M94112.D	11/16/12 17:01
MBS22731	1M94101.D	11/16/12 14:07
AC69269-006(MSD	1M94133.D	11/16/12 22:33
AC69269-006(MS)	1M94132.D	11/16/12 22:17
MBS22736	1M94117.D	11/16/12 18:20

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 1

Data File: 1M93629.D
Analysis Date: 11/07/12 08:19
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.360 to 4.389 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	22.4	35611	PASS
75	95	30	60	49.1	78168	PASS
95	95	100	100	100.0	159118	PASS
96	95	5	9	8.3	13176	PASS
173	174	0.00	2	0.4	700	PASS
174	95	50	100	98.5	156776	PASS
175	174	5	9	8.7	13716	PASS
176	174	95	101	100.8	158007	PASS
177	176	5	9	6.2	9808	PASS

Data File	Sample Number	Analysis Date:
1M93630.D	BLK	11/07/12 08:35
1M93631.D	1 PPB	11/07/12 08:51
1M93632.D	CAL @ 0.5 PPB	11/07/12 09:10
1M93633.D	CAL @ 5 PPB	11/07/12 09:29
1M93634.D	CAL @ 500 PPB	11/07/12 09:45
1M93635.D	CAL @ 250 PPB	11/07/12 10:02
1M93636.D	CAL @ 100 PPB	11/07/12 10:18
1M93637.D	CAL @ 50 PPB	11/07/12 10:35
1M93638.D	CAL @ 20 PPB	11/07/12 10:51
1M93639.D	CAL @ 10 PPB	11/07/12 11:07
1M93640.D	BLK	11/07/12 11:24
1M93641.D	1 PPB	11/07/12 11:43
1M93642.D	20 PPB	11/07/12 11:59
1M93643.D	BLK	11/07/12 12:16
1M93644.D	CAL @ 1 PPB	11/07/12 12:32
1M93645.D	50 PPB	11/07/12 12:48
1M93646.D	ICV	11/07/12 13:05
1M93647.D	BLK	11/07/12 13:21
1M93648.D	DAILY BLANK	11/07/12 13:37
1M93649.D	DAILY BLANK	11/07/12 13:53
1M93650.D	MBS22597	11/07/12 14:09
1M93651.D	MBS22598	11/07/12 14:25
1M93652.D	BLK	11/07/12 14:41
1M93653.D	AC69016-004	11/07/12 14:59
1M93654.D	AC69016-006	11/07/12 15:15
1M93655.D	AC69016-009	11/07/12 15:30
1M93656.D	AC69016-008(5X)	11/07/12 15:49
1M93657.D	AC69016-011(100	11/07/12 16:11
1M93658.D	AC69016-005(100	11/07/12 16:28
1M93659.D	AC69018-003(MS)	11/07/12 16:44
1M93662.D	AC69018-003(MSD	11/07/12 17:43
1M93663.D	BLK	11/07/12 17:58
1M93664.D	AC69083-005	11/07/12 18:14
1M93665.D	AC69080-001	11/07/12 18:30
1M93666.D	AC69080-002	11/07/12 18:46
1M93667.D	AC69089-002	11/07/12 19:02
1M93668.D	BLK	11/07/12 19:18
1M93669.D	BLK	11/07/12 19:33
1M93670.D	AC69088-002	11/07/12 19:49
1M93671.D	AC69088-003	11/07/12 20:05
1M93672.D	AC69088-004	11/07/12 20:21
1M93673.D	AC69088-005	11/08/12 07:41
1M93674.D	AC69088-006	11/08/12 07:57

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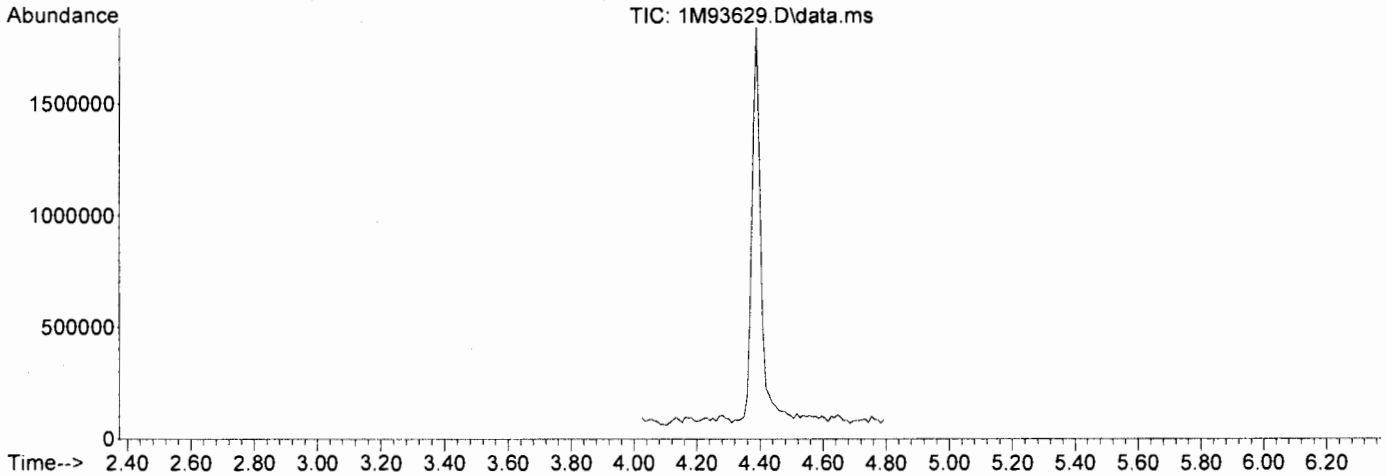
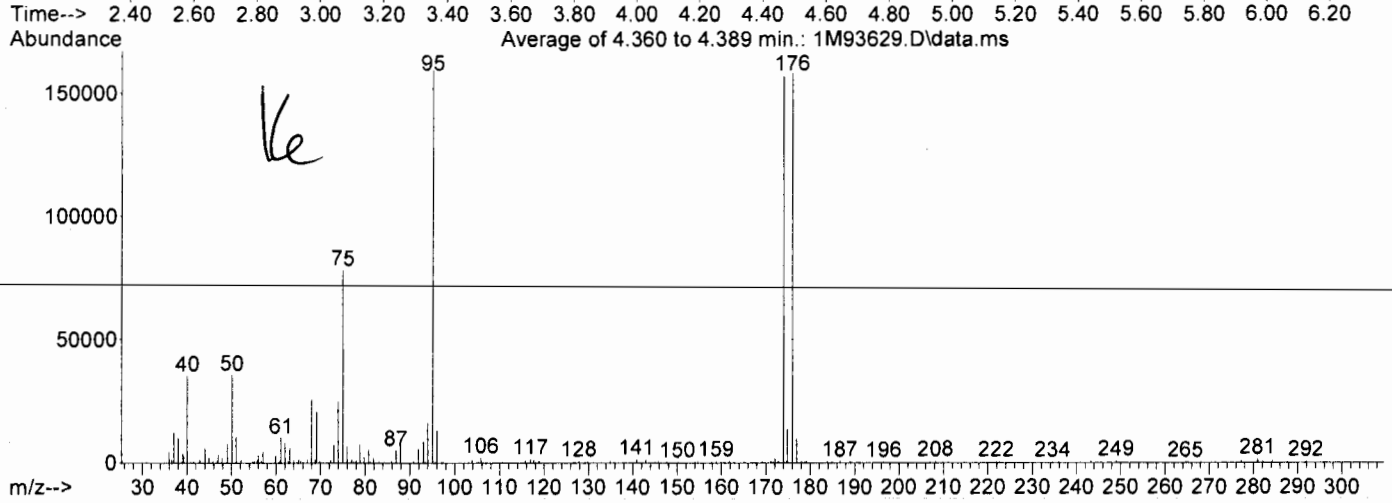
Data Path : G:\GcMsData\2012\gcms_1\Data\11-07-12\
Data File : 1M93629.D
Acq On : 7 Nov 2012 8:19
Operator : WP
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 5 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2012\gcms_1\MethodQt\1M_A1005.M
Title : @GCMS_1,ug,624,8260
Last Update : Fri Oct 05 13:54:46 2012





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Spectrum Information: Average of 4.360 to 4.389 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.4	35611	PASS
75	95	30	60	49.1	78168	PASS
95	95	100	100	100.0	159118	PASS
96	95	5	9	8.3	13176	PASS
173	174	0.00	2	0.4	700	PASS
174	95	50	100	98.5	156776	PASS
175	174	5	9	8.7	13716	PASS
176	174	95	101	100.8	158007	PASS
177	176	5	9	6.2	9808	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 1

Data File: 1M93987.D
Analysis Date: 11/15/12 08:04
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.301 to 4.311 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	20.2	32528	PASS
75	95	30	60	49.1	79056	PASS
95	95	100	100	100.0	161076	PASS
96	95	5	9	8.3	13340	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	91.3	146984	PASS
175	174	5	9	8.3	12250	PASS
176	174	95	101	95.6	140524	PASS
177	176	5	9	7.9	11093	PASS

Data File	Sample Number	Analysis Date:
1M93988.D	BLK	11/15/12 08:14
1M93989.D	CAL @ 20 PPB	11/15/12 08:31
1M93990.D	BLK	11/15/12 08:50
1M93991.D	DAILY BLANK	11/15/12 09:06
1M93992.D	DAILY BLANK	11/15/12 09:22
1M93993.D	MBS22703	11/15/12 09:39
1M93994.D	MBS22704	11/15/12 09:55
1M93995.D	BLKJUG#2	11/15/12 10:11
1M93996.D	AC69269-010	11/15/12 10:27
1M93997.D	AC69269-011	11/15/12 10:43
1M93998.D	AC69165-001	11/15/12 10:58
1M93999.D	AC69165-002	11/15/12 11:14
1M94000.D	AC69201-029	11/15/12 11:30
1M94001.D	AC69165-020	11/15/12 11:46
1M94002.D	AC69165-010(20X)	11/15/12 12:05
1M94003.D	AC69269-003(20X)	11/15/12 12:28
1M94004.D	AC69269-001	11/15/12 12:47
1M94005.D	AC69269-004	11/15/12 13:03
1M94006.D	AC69269-002	11/15/12 13:20
1M94007.D	AC69269-005	11/15/12 13:36
1M94008.D	AC69258-010	11/15/12 13:52
1M94009.D	AC69165-006(MS:	11/15/12 14:09
1M94010.D	AC69165-007(MSD	11/15/12 14:25
1M94011.D	AC69258-011	11/15/12 14:41
1M94012.D	AC69251-001	11/15/12 14:58
1M94013.D	BLK	11/15/12 15:14
1M94014.D	AC69269-006	11/15/12 15:30
1M94015.D	AC69269-007	11/15/12 15:47
1M94016.D	AC69269-008	11/15/12 16:03
1M94017.D	AC69269-009	11/15/12 16:19
1M94018.D	MBS22712	11/15/12 16:36
1M94019.D	BLKJUG#3	11/15/12 16:52
1M94020.D	AC69172-006	11/15/12 17:08
1M94021.D	AC69154-002(80uL	11/15/12 17:25
1M94022.D	AC69154-009(80uL	11/15/12 17:41
1M94023.D	AC69154-006(40uL	11/15/12 17:57
1M94024.D	AC69154-008(8uL)	11/15/12 18:13
1M94025.D	AC69164-003	11/15/12 18:30
1M94026.D	AC69164-004(80uL	11/15/12 18:46
1M94027.D	AC69143-007	11/15/12 19:02
1M94028.D	BLK	11/15/12 19:19
1M94029.D	AC69143-008	11/15/12 19:35
1M94030.D	AC69201-029(MS)	11/15/12 19:51
1M94031.D	AC69201-029(MSD	11/15/12 20:07
1M94032.D	MBS22713	11/15/12 20:23
1M94033.D	AC69201-009(MS)	11/15/12 20:39
1M94034.D	AC69201-009(MSD	11/15/12 20:55
1M94035.D	BLK	11/15/12 21:11
1M94036.D	AC69221-003	11/15/12 21:26
1M94037.D	AC69221-002	11/15/12 21:42
1M94038.D	AC69220-003	11/15/12 21:58
1M94039.D	AC69220-002	11/15/12 22:14
1M94040.D	AC69217-003	11/15/12 22:29
1M94041.D	AC69217-002	11/15/12 22:45
1M94042.D	AC69216-002	11/15/12 23:01
1M94043.D	AC69216-004	11/15/12 23:17
1M94044.D	AC69235-003	11/15/12 23:33
1M94045.D	AC69206-001	11/15/12 23:49
1M94046.D	AC69244-004	11/16/12 00:05
1M94047.D	AC69235-002	11/16/12 00:21
1M94048.D	AC69280-003	11/16/12 00:36
1M94049.D	AC69280-002	11/16/12 00:52
1M94050.D	BLK	11/16/12 01:08
1M94051.D	BLK	11/16/12 01:24
1M94052.D	AC69207-001	11/16/12 01:40

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 1

Data File: 1M93987.D
Analysis Date: 11/15/12 08:04
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.301 to 4.311 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	20.2	32528	PASS
75	95	30	60	49.1	79056	PASS
95	95	100	100	100.0	161076	PASS
96	95	5	9	8.3	13340	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	91.3	146984	PASS
175	174	5	9	8.3	12250	PASS
176	174	95	101	95.6	140524	PASS
177	176	5	9	7.9	11093	PASS

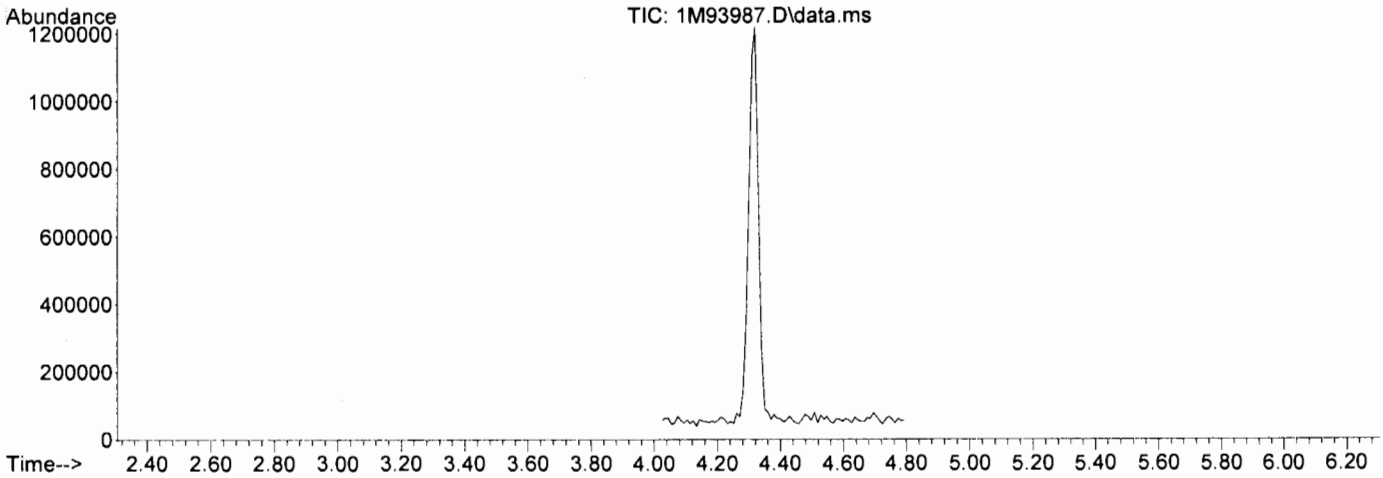
1M94053.D	AC69207-004	11/16/12 01:56
1M94054.D	AC69221-001	11/16/12 02:12
1M94055.D	AC69217-001	11/16/12 02:27
1M94056.D	AC69204-003	11/16/12 02:43
1M94057.D	AC69220-001	11/16/12 02:59
1M94058.D	MBS22714	11/16/12 03:15
1M94059.D	AC69201-031(MS)	11/16/12 03:31
1M94060.D	AC69201-031(MSD	11/16/12 03:47
1M94061.D	BLK	11/16/12 04:03
1M94062.D	AC69223-001	11/16/12 04:18
1M94063.D	AC69223-002	11/16/12 04:34
1M94064.D	AC69223-003	11/16/12 04:50
1M94065.D	AC69223-006	11/16/12 05:06
1M94066.D	AC69223-007	11/16/12 05:22
1M94067.D	AC69280-001	11/16/12 05:37
1M94068.D	AC69235-001	11/16/12 05:53
1M94069.D	AC69236-001	11/16/12 06:09
1M94070.D	AC69236-002	11/16/12 06:25
1M94071.D	AC69236-003	11/16/12 06:41
1M94072.D	AC69223-004	11/16/12 06:57
1M94073.D	AC69223-005	11/16/12 07:13

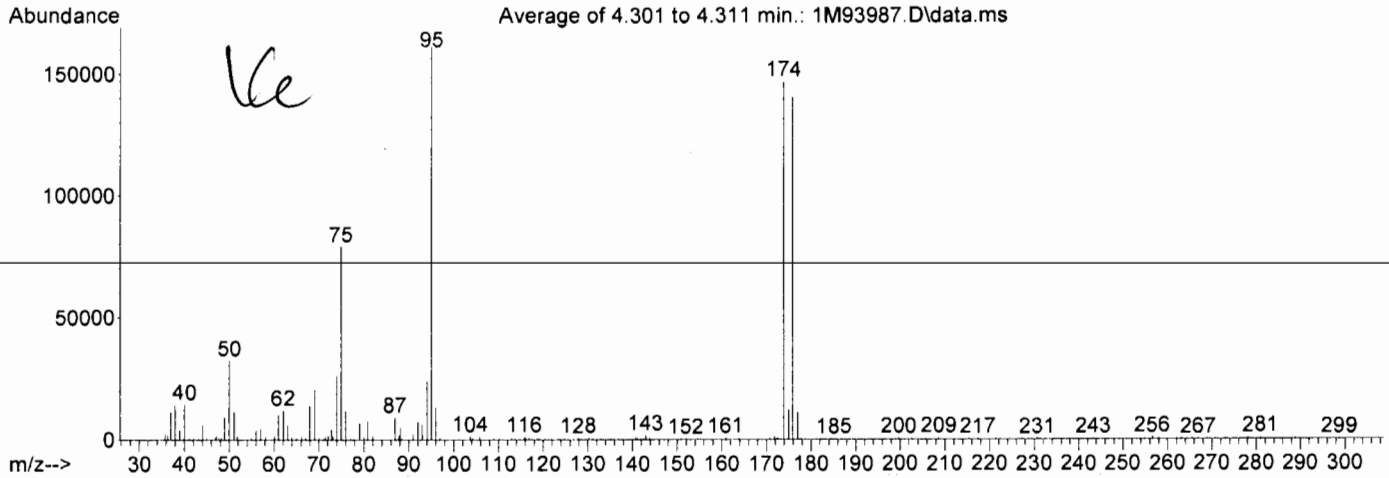
2111626 0038

Data Path : G:\GcMsData\2012\gcms_1\Data\11-15-12\
Data File : 1M93987.D
Acq On : 15 Nov 2012 8:04
Operator : WP
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2012\gcms_1\MethodQt\1M_A1107.M
Title : @GCMS_1,ug,624,8260
Last Update : Wed Nov 07 14:36:04 2012





Spectrum Information: Average of 4.301 to 4.311 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.2	32528	PASS
75	95	30	60	49.1	79056	PASS
95	95	100	100	100.0	161076	PASS
96	95	5	9	8.3	13340	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	91.3	146984	PASS
175	174	5	9	8.3	12250	PASS
176	174	95	101	95.6	140524	PASS
177	176	5	9	7.9	11093	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 1

Data File: 1M94090.D
Analysis Date: 11/16/12 11:18
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.282 to 4.312 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	21.5	65434	PASS
75	95	30	60	48.9	148592	PASS
95	95	100	100	100.0	303904	PASS
96	95	5	9	8.2	24794	PASS
173	174	0.00	2	0.4	1222	PASS
174	95	50	100	89.5	272048	PASS
175	174	5	9	7.8	21288	PASS
176	174	95	101	100.2	272596	PASS
177	176	5	9	7.6	20701	PASS

Data File	Sample Number	Analysis Date:
1M94091.D	CAL @ 20 PPB	11/16/12 11:28
1M94092.D	BLK	11/16/12 11:44
1M94093.D	DAILY BLANK	11/16/12 12:00
1M94094.D	DAILY BLANK	11/16/12 12:16
1M94095.D	MBS22728	11/16/12 12:31
1M94096.D	MBS22730	11/16/12 12:47
1M94097.D	AC69255-009	11/16/12 13:03
1M94098.D	AC69164-004(400u	11/16/12 13:19
1M94099.D	BLK	11/16/12 13:35
1M94100.D	AC69164-003	11/16/12 13:51
1M94101.D	MBS22731	11/16/12 14:07
1M94102.D	MBS22732	11/16/12 14:23
1M94103.D	BLK	11/16/12 14:39
1M94104.D	AC69261-019	11/16/12 14:54
1M94105.D	AC69261-020	11/16/12 15:10
1M94106.D	AC69274-007	11/16/12 15:26
1M94107.D	AC69291-006	11/16/12 15:42
1M94108.D	AC69292-036	11/16/12 15:58
1M94109.D	AC69292-037	11/16/12 16:14
1M94110.D	BLK	11/16/12 16:30
1M94111.D	AC69321-001	11/16/12 16:45
1M94112.D	AC69321-002	11/16/12 17:01
1M94113.D	AC69261-003	11/16/12 17:17
1M94114.D	AC69261-005	11/16/12 17:33
1M94115.D	AC69261-006	11/16/12 17:49
1M94116.D	AC69261-010	11/16/12 18:05
1M94117.D	MBS22736	11/16/12 18:20
1M94118.D	AC69241-024	11/16/12 18:36
1M94119.D	AC69261-011	11/16/12 18:52
1M94120.D	AC69261-012	11/16/12 19:08
1M94121.D	AC69261-013	11/16/12 19:24
1M94122.D	AC69261-014	11/16/12 19:40
1M94123.D	AC69261-015	11/16/12 19:55
1M94124.D	AC69261-016	11/16/12 20:11
1M94125.D	AC69261-017	11/16/12 20:27
1M94126.D	AC69261-004	11/16/12 20:43
1M94127.D	AC69261-018	11/16/12 20:59
1M94128.D	AC69261-009(10X)	11/16/12 21:15
1M94129.D	AC69261-007(10X)	11/16/12 21:30
1M94130.D	AC69261-001(20X)	11/16/12 21:46
1M94131.D	AC69261-008(50X)	11/16/12 22:02
1M94132.D	AC69269-006(MS)	11/16/12 22:17
1M94133.D	AC69269-006(MSD	11/16/12 22:33
1M94134.D	BLK	11/16/12 22:49
1M94135.D	BLK	11/16/12 23:06
1M94136.D	BLK	11/16/12 23:22
1M94137.D	MBS22737	11/16/12 23:38
1M94138.D	MBS22738	11/16/12 23:55
1M94139.D	BLK	11/17/12 00:11
1M94140.D	AC69241-026	11/17/12 00:27
1M94141.D	AC69236-004	11/17/12 00:43
1M94142.D	AC69236-005	11/17/12 01:00
1M94143.D	AC69241-001	11/17/12 01:16
1M94144.D	AC69241-002	11/17/12 01:32
1M94145.D	AC69241-003	11/17/12 01:49
1M94146.D	AC69241-004	11/17/12 02:05
1M94147.D	AC69241-006	11/17/12 02:22
1M94148.D	AC69241-008	11/17/12 02:38
1M94149.D	AC69241-009	11/17/12 02:54
1M94150.D	AC69241-011	11/17/12 03:10
1M94151.D	AC69241-013	11/17/12 03:27
1M94152.D	AC69241-015	11/17/12 03:43
1M94153.D	AC69241-016	11/17/12 04:00
1M94154.D	AC69241-020	11/17/12 04:16
1M94155.D	AC69241-022	11/17/12 04:32

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 1

Data File: 1M94090.D
Analysis Date: 11/16/12 11:18
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.282 to 4.312 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	21.5	65434	PASS
75	95	30	60	48.9	148592	PASS
95	95	100	100	100.0	303904	PASS
96	95	5	9	8.2	24794	PASS
173	174	0.00	2	0.4	1222	PASS
174	95	50	100	89.5	272048	PASS
175	174	5	9	7.8	21288	PASS
176	174	95	101	100.2	272596	PASS
177	176	5	9	7.6	20701	PASS

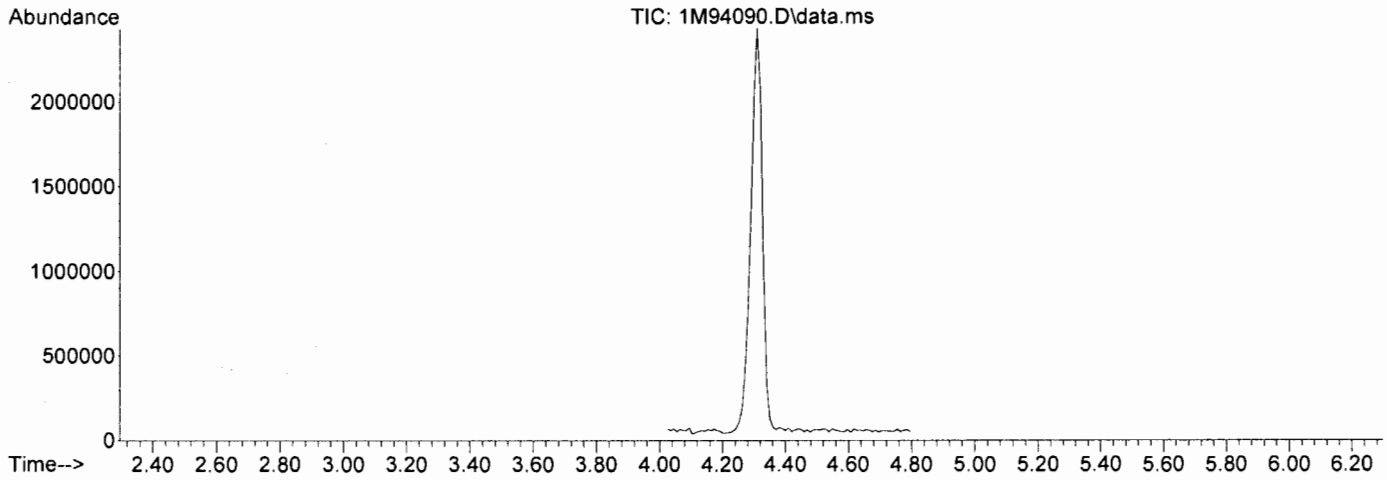
1M94156.D	AC69241-027	11/17/12 04:49
1M94157.D	AC69244-001	11/17/12 05:05
1M94158.D	AC69244-002	11/17/12 05:21
1M94159.D	AC69241-018	11/17/12 05:37
1M94160.D	MBS22739	11/17/12 05:54
1M94161.D	AC69280-001(MS)	11/17/12 06:10
1M94162.D	AC69280-001(MSD	11/17/12 06:27

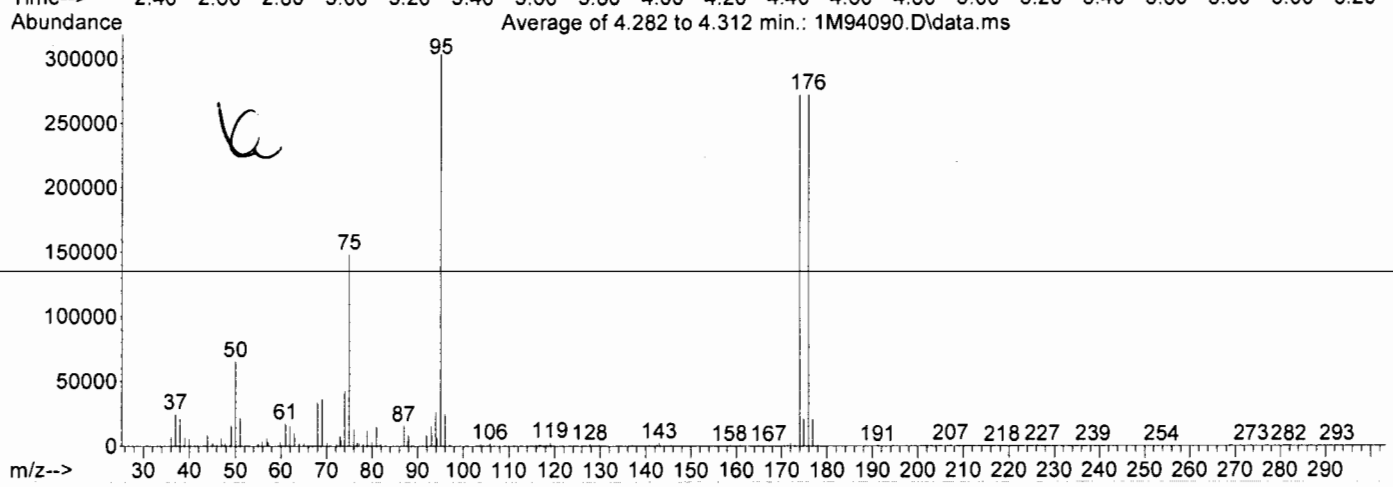
2111626 0041

Data Path : G:\GcMsData\2012\gcms_1\Data\11-16-12\
Data File : 1M94090.D
Acq On : 16 Nov 2012 11:18
Operator : SG
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 10 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2012\gcms_1\MethodQt\1M_A1107.M
Title : @GCMS_1,ug,624,8260
Last Update : Wed Nov 07 14:36:04 2012





Spectrum Information: Average of 4.282 to 4.312 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.5	65434	PASS
75	95	30	60	48.9	148592	PASS
95	95	100	100	100.0	303904	PASS
96	95	5	9	8.2	24794	PASS
173	174	0.00	2	0.4	1222	PASS
174	95	50	100	89.5	272048	PASS
175	174	5	9	7.8	21288	PASS
176	174	95	101	100.2	272596	PASS
177	176	5	9	7.6	20701	PASS

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_1

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	1M93638.	CAL @ 20 PPB	11/07/12 10:51	2	1M93633.	CAL @ 5 PPB	11/07/12 09:29
3	1M93639.	CAL @ 10 PPB	11/07/12 11:07	4	1M93637.	CAL @ 50 PPB	11/07/12 10:35
5	1M93636.	CAL @ 100 PPB	11/07/12 10:18	6	1M93635.	CAL @ 250 PPB	11/07/12 10:02
7	1M93634.	CAL @ 500 PPB	11/07/12 09:45	8	1M93644.	CAL @ 1 PPB	11/07/12 12:32
9	1M93632.	CAL @ 0.5 PPB	11/07/12 09:10				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Chlorodifluoromethane	1	0	Avg	0.4427	0.5770	0.6312	0.5817	0.6709	0.4402	0.5425	0.5932	-----	0.560	1.33	0.988	0.990	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dichlorodifluoromethan	1	0	LinF	0.2639	0.3760	0.3813	0.3786	0.4290	0.3678	-----	0.2966	-----	0.356	1.31	0.995	0.998	16		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Chloromethane	1	0	Avg	0.2407	0.2778	0.3162	0.2967	0.3470	0.2860	0.3668	0.3586	-----	0.311	1.44	0.989	0.997	14	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromomethane	1	0	Qua	0.1281	0.1477	0.1352	0.1492	0.1921	0.1353	0.1004	0.2071	-----	0.149	1.75	0.956	0.995	23		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Vinyl Chloride	1	0	LinF	0.1966	0.1739	0.2023	0.2037	0.2361	0.1839	0.2159	0.2869	-----	0.212	1.51	0.994	0.997	17	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloroethane	1	0	LinF	0.0942	0.1456	0.1055	0.0870	0.1228	0.0953	0.1001	0.0739	-----	0.103	1.81	0.997	0.997	22		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichlorofluoromethane	1	0	Avg	0.4665	0.5133	0.4636	0.4495	0.4864	0.3630	0.4711	0.3691	-----	0.448	1.98	0.987	0.995	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl ether	1	0	Avg	0.1396	0.1488	0.1406	0.1547	0.1918	0.1292	0.1281	0.1329	-----	0.146	2.19	0.991	0.993	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Furan	1	0	LinF	0.3815	0.3737	0.3752	0.4316	0.5023	-----	-----	0.3149	-----	0.397	2.22	0.995	1.00	16		20.00	5.00	10.00	50.00	100.0			1.00	
1.1.2-Trichloro-1.2.2-tri	1	0	LinF	0.1951	0.2394	0.2159	0.2143	0.2591	-----	-----	0.1402	-----	0.211	2.36	0.992	1.00	19		20.00	5.00	10.00	50.00	100.0			1.00	
Methylene Chloride	1	0	LinF	0.2757	0.2317	0.2781	0.1705	0.3331	0.2591	0.2416	0.2923	-----	0.260	2.70	0.992	0.995	18		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acrolein	1	0	Avg	0.0419	0.0414	0.0395	0.0459	0.0511	0.0295	0.0387	0.0377	-----	0.0408	2.28	0.979	0.983	15		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Acrylonitrile	1	0	LinF	0.1023	0.0676	0.0929	0.0677	0.1450	0.1121	0.1093	0.0975	-----	0.0994	2.87	0.994	0.995	25		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Iodomethane	1	0	Qua	0.3382	0.2976	0.3316	0.2430	0.4271	0.2767	0.3274	0.1941	0.3452	0.309	2.48	0.989	0.990	22		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
Acetone	1	0	LinF	0.0895	0.0838	0.0851	0.0953	0.1173	-----	-----	0.0700	-----	0.0902	2.38	0.992	1.00	17		100.0	25.00	50.00	250.0	500.0			5.00	
Carbon Disulfide	1	0	LinF	0.7025	0.6001	0.7364	0.4650	0.8034	0.5339	0.6117	0.6527	-----	0.638	2.53	0.990	0.991	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
t-Butyl Alcohol	1	0	LinF	0.0237	0.0208	0.0206	0.0143	0.0301	0.0250	0.0222	0.0402	-----	0.0246	2.77	0.990	0.996	31		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
n-Hexane	1	0	Avg	0.1880	0.1911	0.1759	0.2072	0.2000	0.2082	0.2284	0.2040	-----	0.200	3.14	0.998	1.00	7.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Di-isopropyl-ether	1	0	Avg	1.0693	0.8232	1.0372	1.1234	1.0881	1.0800	0.8965	0.8372	-----	0.994	3.28	0.991	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1-Dichloroethene	1	0	LinF	0.4210	0.3781	0.4219	0.4504	0.5247	-----	-----	0.2175	-----	0.402	2.36	0.995	1.00	26	*(30)	20.00	5.00	10.00	50.00	100.0			1.00	
Methyl Acetate	1	0	LinF	0.3497	0.4082	0.3887	0.2480	0.5009	0.4010	0.4140	0.4479	-----	0.395	2.62	0.996	0.996	19		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl-t-butyl ether	1	0	LinF	0.6533	0.4628	0.5357	0.4179	0.6779	0.6286	0.5887	0.3490	0.5078	0.536	2.92	0.997	0.998	21		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
1.1-Dichloroethane	1	0	Avg	0.5380	0.4924	0.4958	0.4859	0.5334	0.5655	0.4487	0.4784	-----	0.505	3.23	0.986	0.998	7.5	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1.2-Dichloroether	1	0	Avg	0.2492	0.2235	0.2132	0.1654	0.2445	0.2339	0.2179	0.2330	-----	0.223	2.92	0.998	0.999	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl-t-butyl ether	1	0	LinF	0.9220	0.6981	0.7971	0.8679	0.9634	0.9568	-----	0.5129	-----	0.817	3.58	1.00	1.00	20		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
cis-1.2-Dichloroethene	1	0	Avg	0.6062	0.5294	0.5430	0.5602	0.6100	0.5835	0.4888	0.5101	-----	0.554	3.70	0.991	1.00	8.0		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromochloromethane	1	0	Avg	0.3395	0.3439	0.3278	0.3262	0.3204	0.3294	0.2826	0.2500	-----	0.315	3.87	0.994	0.999	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2.2-Dichloropropane	1	0	Avg	0.3810	0.3160	0.3412	0.3814	0.4240	0.4013	0.3398	0.2795	-----	0.358	3.71	0.992	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl acetate	1	0	Avg	0.5598	0.5139	0.5204	0.5337	0.5771	0.5908	0.4916	0.4963	-----	0.535	3.75	0.991	0.999	6.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.4-Dioxane	1	0	Avg	0.0038	0.0030	0.0030	0.0036	0.0036	0.0035	0.0033	0.0036	-----	0.00345	4.95	0.999	1.00	8.6		1000.	250.0	500.0	2500.	5000.	1250	2500	50.00	
1.1-Dichloropropene	1	0	Avg	0.4104	0.4069	0.4308	0.4133	0.4389	0.4068	0.4161	0.2679	-----	0.399	4.20	1.00	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloroform	1	0	Avg	0.5630	0.5144	0.5475	0.5638	0.5697	0.5444	0.4910	0.4327	-----	0.528	3.93	0.997	1.00	8.9	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromofluoromethane	1	0	Avg	0.3039	0.3225	0.3253	0.3353	0.3122	0.3276	0.2785	0.3134	0.3574	0.320	4.04	-1	-1	6.8		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Cyclohexane	1	0	LinF	0.4180	0.3077	0.3719	0.3765	0.4077	0.3586	0.3045	0.2552	-----	0.350	4.14	0.991	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichloroethane-d4	1	0	Avg	0.2017	0.2074	0.2142	0.2002	0.2083	0.2050	0.2286	0.1977	0.2132	0.209	4.29	-1	-1	4.5		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
1.2-Dichloroethane	1	0	Avg	0.5746	0.5504	0.5546	0.5524	0.5724	0.5206	0.5326	0.6066	0.6543	0.569	4.33	1.00	1.00	7.1		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
2-Butanone	1	0	Avg	0.1660	0.1214	0.1341	0.1663	0.1757	0.1587	0.1316	0.1727	-----	0.153	3.70	0.989	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.1-Trichloroethane	1	0	Avg	0.4477	0.4063	0.4363	0.4740	0.4859	0.4705	0.4054	0.3380	-----	0.433	4.08	0.994	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Carbon Tetrachloride	1	0	Avg	0.3856	0.3610	0.3555	0.4025	0.4217	0.3860	0.4202	0.3263	-----	0.382	4.21	0.999	0.999	8.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Vinyl Acetate	1	0	LinF	0.7036	0.6417	0.7369	0.7434	0.7712	0.7811	-----	0.3639	-----	0.677	3.28	1.00	1.00	22		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Bromodichloromethane	1	0	Avg	0.5248	0.4514	0.4963	0.5306	0.5385	0.5404	0.5517	0.4445	-----	0.510	5.03	1.00	1.00	8.1		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Flags
a - failed the spcc criteria — ** - ccc compound*
b - failed the ccc criteria — *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 14.1
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

2111626 0042

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_1

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	1M93638.	CAL @ 20 PPB	11/07/12 10:51	2	1M93633.	CAL @ 5 PPB	11/07/12 09:29
3	1M93639.	CAL @ 10 PPB	11/07/12 11:07	4	1M93637.	CAL @ 50 PPB	11/07/12 10:35
5	1M93636.	CAL @ 100 PPB	11/07/12 10:18	6	1M93635.	CAL @ 250 PPB	11/07/12 10:02
7	1M93634.	CAL @ 500 PPB	11/07/12 09:45	8	1M93644.	CAL @ 1 PPB	11/07/12 12:32
9	1M93632.	CAL @ 0.5 PPB	11/07/12 09:10				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Methylcyclohexane	1	0	Avg	0.3020	0.2245	0.2949	0.3220	0.3128	0.2857	0.2562	0.2131	-----	0.276	4.87	0.996	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromomethane	1	0	Avg	0.2714	0.2973	0.2679	0.2677	0.2633	0.2456	0.2312	0.2674	-----	0.264	4.94	0.999	1.00	7.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichloropropane	1	0	Avg	0.4061	0.3866	0.3916	0.3829	0.3633	0.3443	0.3149	0.4008	-----	0.374	4.86	0.998	1.00	8.3	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichloroethene	1	0	LinF	0.2992	0.2427	0.2702	0.2922	0.2811	0.2664	0.2640	0.1382	-----	0.257	4.73	1.00	1.00	20		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Benzene	1	0	LinF	1.0614	1.0418	0.9906	1.0779	1.0799	1.0036	0.9744	0.6623	1.2839	1.02	4.34	0.999	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
tert-Amyl methyl ether	1	0	LinF	0.7879	0.5761	0.7260	0.7464	0.8115	0.7640	0.7745	0.4663	-----	0.707	4.40	1.00	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Iso-propylacetate	1	0	Avg	1.2602	0.9663	1.2194	1.2586	1.3632	1.2868	1.2692	1.0404	-----	1.21	4.36	1.00	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl methacrylate	1	0	Avg	0.4180	0.2919	0.4193	0.4194	0.4556	0.4186	0.4537	0.3666	-----	0.405	4.92	0.999	0.999	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromochloromethane	1	0	Avg	0.4687	0.4827	0.4620	0.5208	0.5331	0.5289	0.5505	0.4114	-----	0.495	5.98	1.00	1.00	9.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Chloroethylvinylether	1	0	Avg	0.3473	0.2536	0.3203	0.3305	0.3291	0.3110	0.3297	0.2637	-----	0.311	5.19	0.999	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1.3-Dichloropropene	1	0	LinF	0.7674	0.5727	0.6299	0.7387	0.7695	0.7237	0.7537	0.4523	-----	0.676	5.29	1.00	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1.3-Dichloroprope	1	0	LinF	0.7398	0.5166	0.6652	0.7283	0.7454	0.7470	0.6924	0.4052	-----	0.655	5.62	0.999	1.00	19		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl methacrylate	1	0	LinF	0.5002	0.2701	0.4101	0.4467	0.5072	0.4635	0.4707	0.4108	-----	0.435	5.66	1.00	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.2-Trichloroethane	1	0	Avg	0.4454	0.4498	0.4395	0.4252	0.4124	0.4013	0.3659	0.4476	-----	0.423	5.73	0.998	1.00	6.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dibromoethane	1	0	Avg	0.5279	0.4020	0.4914	0.4801	0.4959	0.4737	0.4900	0.4399	-----	0.475	6.06	1.00	1.00	8.1		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.3-Dichloropropane	1	0	Avg	0.7867	0.6138	0.7888	0.7474	0.7200	0.6636	0.6399	0.7141	-----	0.709	5.83	0.999	1.00	9.2		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Methyl-2-Pentanone	1	0	Avg	0.6214	0.5259	0.5362	0.6226	0.6387	0.6012	0.6515	0.6395	-----	0.605	5.37	0.999	1.00	7.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Hexanone	1	0	LinF	0.4091	0.2958	0.4327	0.4429	0.4620	0.4676	0.4593	0.3078	-----	0.410	5.86	1.00	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Tetrachloroethene	1	0	Avg	0.3885	0.3699	0.4215	0.3097	0.3257	0.2894	0.2702	0.3637	-----	0.342	5.84	0.998	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Toluene-d8	1	0	Avg	1.5324	1.3153	1.4947	1.4400	1.4102	1.3814	1.3909	1.4361	1.3637	1.42	5.47	-1	-1	4.7		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Toluene	1	0	Avg	1.0371	0.9099	1.1175	0.9515	0.9290	0.8424	0.8468	0.9575	-----	0.949	5.51	1.00	1.00	9.8	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.1.2-Tetrachloroetha	1	0	Avg	0.4179	0.4095	0.4306	0.4201	0.3893	0.3832	0.3819	0.3992	-----	0.404	6.39	1.00	1.00	4.5		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chlorobenzene	1	0	Avg	1.2228	1.1858	1.0911	1.0927	1.1072	1.0270	1.0364	0.9937	-----	1.09	6.36	1.00	1.00	7.2	**(0.300)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Butyl acrylate	1	0	LinF	1.5160	0.9028	1.1465	1.6274	1.6916	1.8762	1.8902	1.0663	-----	1.46	6.64	1.00	1.00	26		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Amyl acetate	1	0	Avg	2.4984	1.7655	1.9032	2.4128	2.5008	2.5560	2.2537	2.1235	-----	2.25	6.78	0.996	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromoform	1	0	Avg	0.6556	0.6212	0.6102	0.7346	0.6900	0.7855	0.7950	0.6460	-----	0.692	6.85	0.999	1.00	10	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethylbenzene	1	0	Avg	0.7277	0.7144	0.5958	0.7319	0.7180	0.6925	0.6186	0.4520	-----	0.656	6.40	0.996	1.00	15	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.2.2-Tetrachloroetha	1	0	Avg	1.2654	1.2950	1.0468	1.1489	1.1172	1.2111	1.2051	1.3075	-----	1.20	7.08	1.00	1.00	7.6	**(0.300)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromofluorobenzene	1	0	Avg	0.9003	0.8960	0.8568	0.9134	0.8389	1.0243	1.0151	0.8901	0.8556	0.910	7.03	-1	-1	7.3		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Styrene	1	0	Avg	2.0031	1.5292	1.6870	1.9029	1.8113	1.7964	1.6208	1.3097	-----	1.71	6.72	0.997	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
m&p-Xylenes	1	0	Avg	1.1157	0.9048	0.9617	1.0842	1.0239	0.9903	0.9089	0.8372	0.8628	0.966	6.47	0.998	1.00	10		40.00	10.00	20.00	100.0	200.0	500.0	1000.	2.00	1.00
o-Xylene	1	0	LinF	1.1994	0.9231	1.0679	1.0377	0.9863	0.9948	0.8793	0.6004	-----	0.961	6.71	0.996	1.00	18		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1.4-Dichloro-2-bu	1	0	Avg	0.4196	0.3660	0.3692	0.4766	0.4302	0.4533	0.4229	0.2884	-----	0.403	7.12	0.999	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.3-Dichlorobenzene	1	0	Avg	1.5847	1.4529	1.3965	1.5584	1.3492	1.2933	1.2065	1.3175	-----	1.39	7.71	0.998	1.00	9.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.4-Dichlorobenzene	1	0	Avg	1.6636	1.4832	1.3813	1.4662	1.4001	1.4198	1.3662	1.1917	-----	1.42	7.76	1.00	1.00	9.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichlorobenzene	1	0	Avg	1.0877	1.4275	1.3869	1.4426	1.4233	1.3631	1.3408	1.1480	-----	1.33	8.01	1.00	1.00	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Isopropylbenzene	1	0	LinF	2.7130	2.0527	2.3446	2.7897	2.5223	2.9040	2.4556	1.5653	-----	2.42	6.94	0.993	0.998	18		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Cyclohexanone	1	0	LinF	0.0499	0.0448	0.0509	0.0552	0.0471	0.0583	0.0669	0.0314	-----	0.0506	7.00	0.994	1.00	21		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Camphene	1	0	Avg	0.6155	0.4056	0.5544	0.6038	0.5963	0.6258	0.5555	0.5778	-----	0.567	7.12	0.997	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.3-Trichloropropane	1	0	Avg	1.3755	1.1295	1.2341	1.3068	1.3331	1.3803	1.2344	1.2529	-----	1.28	7.12	0.997	1.00	6.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Chlorotoluene	1	0	LinF	1.8985	1.5794	1.7615	1.7389	1.7966	1.7403	-----	1.0750	-----	1.66	7.25	1.00	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0		1.00	

Flags
a - failed the spcc criteria — ** - ccc compound*
b - failed the ccc criteria — *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 14.1
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

2111626 0043

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_1

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	1M93638.	CAL @ 20 PPB	11/07/12 10:51	2	1M93633.	CAL @ 5 PPB	11/07/12 09:29
3	1M93639.	CAL @ 10 PPB	11/07/12 11:07	4	1M93637.	CAL @ 50 PPB	11/07/12 10:35
5	1M93636.	CAL @ 100 PPB	11/07/12 10:18	6	1M93635.	CAL @ 250 PPB	11/07/12 10:02
7	1M93634.	CAL @ 500 PPB	11/07/12 09:45	8	1M93644.	CAL @ 1 PPB	11/07/12 12:32
9	1M93632.	CAL @ 0.5 PPB	11/07/12 09:10				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
p-Ethyltoluene	1	0	Avg	3.0139	2.5734	2.6611	3.0562	2.9423	2.7218	2.7159	2.1830	-----	2.73	7.24	1.00	1.00	10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Chlorotoluene	1	0	LinF	1.8675	1.6265	1.4748	1.8539	1.8952	1.8482	-----	1.1368	-----	1.67	7.31	1.00	1.00	17	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
n-Propylbenzene	1	0	LinF	3.5423	3.0417	3.2345	3.5226	3.3358	3.4757	-----	1.9864	-----	3.16	7.18	1.00	1.00	17	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Bromobenzene	1	0	Avg	2.3160	1.9400	2.0642	2.2863	2.1964	2.2000	1.9734	1.4474	-----	2.05	7.14	0.997	1.00	14	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,3,5-Trimethylbenzene	1	0	Avg	2.3451	1.9244	2.0917	2.2783	2.0281	2.1578	1.5487	1.8904	-----	2.03	7.28	0.970	0.997	12	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Butyl methacrylate	1	0	Avg	2.5548	2.0802	2.1483	2.3892	2.4411	2.5181	2.1502	1.7231	-----	2.25	7.29	0.994	0.999	12	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
t-Butylbenzene	1	0	LinF	1.9216	1.4214	1.6205	1.8938	1.9126	1.8713	1.8385	1.1610	-----	1.71	7.49	1.00	1.00	17	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,4-Trimethylbenzene	1	0	Avg	2.4604	2.0541	2.2180	2.4422	2.3498	2.4673	2.2282	1.6817	-----	2.24	7.52	0.998	1.00	12	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
sec-Butylbenzene	1	0	LinF	2.4128	1.8994	2.1344	2.4054	2.3386	2.4098	2.2532	1.3695	-----	2.15	7.63	0.999	1.00	17	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Isopropyltoluene	1	0	Avg	2.0023	1.4588	1.8168	1.9586	1.9146	1.7763	1.7036	1.2373	-----	1.73	7.70	0.999	1.00	15	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Butylbenzene	1	0	LinF	2.4040	1.8319	1.5683	2.3891	2.4170	2.3094	2.2812	1.1541	-----	2.04	7.96	1.00	1.00	23	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
p-Diethylbenzene	1	0	LinF	1.0670	0.8231	0.6036	1.0095	1.0181	1.0157	0.9732	0.8346	-----	0.918	7.95	0.999	1.00	17	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,4,5-Tetramethylber	1	0	LinF	1.6280	1.0662	1.0337	1.1129	1.8969	1.8229	1.5652	0.6819	-----	1.35	8.44	0.992	0.998	32	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2-Dibromo-3-Chloro	1	0	LinF	0.1288	0.1938	0.1591	0.1937	0.2051	0.2192	-----	0.1718	-----	0.182	8.49	0.999	0.999	17	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Camphor	1	0	LinF	0.0496	0.0285	0.0532	0.0740	0.0762	0.0784	0.0785	0.0329	0.0210	0.0548	8.97	1.00	1.00	42	200.0	50.00	100.0	500.0	1000.	2500.	5000.	10.00	5.00
Hexachlorobutadiene	1	0	LinF	0.3026	0.4002	0.4828	0.3130	0.3155	0.3660	0.3244	0.2607	-----	0.346	9.14	0.996	0.998	20	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,4-Trichlorobenzene	1	0	LinF	1.0846	0.7848	0.8327	0.9930	0.6832	0.7595	0.8224	1.0851	-----	0.881	9.04	0.997	0.999	17	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,3-Trichlorobenzene	1	0	Avg	1.0057	0.7377	0.8831	0.8582	0.8931	0.7590	0.7398	0.7328	-----	0.826	9.37	0.998	0.999	12	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Naphthalene	1	0	LinF	2.6544	1.2911	2.0919	2.4196	2.5234	1.7031	1.8417	1.6042	-----	2.02	9.21	0.992	0.992	24	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Flags

a - failed the spcc criteria — ** - ccc compound*

b - failed the ccc criteria — *** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 14.1

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

211626 0044

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 1M93989.D **Instrument:** GCMS 1

Cont Calibration Date/Time 11/15/2012 8:31:00 Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.50	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.31	9.34				0.560			
Dichlorodifluoromethane	1	0		1.31	16.61	20			0.356	0.312	16.97	
Chloromethane	1	0	CP	1.43	17.56	20	0.1		0.311	0.273	12.20	
Bromomethane	1	0		1.73	16.73	20			0.149	0.148	16.34	
Vinyl Chloride	1	0	CC	1.50	20.02	20	20		0.212	0.211	0.10	
Chloroethane	1	0		1.80	21.07	20			0.103	0.105	5.36	
Trichlorofluoromethane	1	0		1.98	19.33	20			0.448	0.433	3.33	
Ethyl ether	1	0		2.18	19.72	20			0.146	0.144	1.40	
Furan	1	0		2.20	14.68	20			0.397	0.355	26.59	
1,1,2-Trichloro-1,2,2-trifluoroetha	1	0		2.35	16.11	20			0.211	0.200	19.44	
Methylene Chloride	1	0		2.68	21.90	20			0.260	0.271	9.49	
Acrolein	1	0		2.26	93.95	100			0.041	0.038	6.05	
Acrylonitrile	1	0		2.86	18.58	20			0.099	0.103	7.08	
Iodomethane	1	0		2.46	24.24	20			0.309	0.353	21.19	
Acetone	1	0		2.37	75.38	100			0.090	0.084	24.62	
Carbon Disulfide	1	0		2.52	20.65	20			0.638	0.621	3.23	
t-Butyl Alcohol	1	0		2.75	60.42	100			0.025	0.014	39.58	
n-Hexane	1	0		3.13	18.54	20			0.200	0.186	7.32	
Di-isopropyl-ether	1	0		3.27	20.29	20			0.994	1.009	1.44	
1,1-Dichloroethene	1	0	CC	2.35	16.64	20	20		0.402	0.421	16.80	
Methyl Acetate	1	0		2.61	16.73	20			0.395	0.345	16.36	
Methyl-t-butyl ether	1	0		2.90	16.31	20			0.536	0.488	18.44	
1,1-Dichloroethane	1	0	CP	3.22	20.69	20	0.1		0.505	0.522	3.47	
trans-1,2-Dichloroethene	1	0		2.90	22.62	20			0.223	0.252	13.10	
Ethyl-t-butyl ether	1	0		3.57	13.62				0.817			
cis-1,2-Dichloroethene	1	0		3.69	19.73	20			0.554	0.547	1.34	
Bromochloromethane	1	0		3.87	22.39	20			0.315	0.353	11.93	
2,2-Dichloropropane	1	0		3.70	17.73	20			0.358	0.317	11.34	
Ethyl acetate	1	0		3.74	17.03				0.535			
1,4-Dioxane	1	0		4.94	945.51	1000			0.003	0.003	5.45	
1,1-Dichloropropene	1	0		4.19	21.26	20			0.399	0.424	6.31	
Chloroform	1	0	CC	3.92	20.00	20	20		0.528	0.528	0.02	
Dibromofluoromethane	1	0	S	4.04	31.72	30			0.320	0.338	5.73	
Cyclohexane	1	0		4.13	23.39	20			0.350	0.373	16.97	
1,2-Dichloroethane-d4	1	0	S	4.28	30.97	30			0.209	0.215	3.22	
1,2-Dichloroethane	1	0		4.33	19.69	20			0.569	0.560	1.57	
2-Butanone	1	0		3.69	17.98	20			0.153	0.138	10.09	
1,1,1-Trichloroethane	1	0		4.08	21.16	20			0.433	0.458	5.80	
Carbon Tetrachloride	1	0		4.20	19.83	20			0.382	0.379	0.84	
Vinyl Acetate	1	0		3.28	16.76	20			0.677	0.652	16.18	
Bromodichloromethane	1	0		5.02	20.98	20			0.510	0.535	4.92	
Methylcyclohexane	1	0		4.86	21.74	20			0.276	0.301	8.71	
Dibromomethane	1	0		4.94	22.93	20			0.264	0.303	14.67	
1,2-Dichloropropane	1	0	CC	4.86	19.95	20	20		0.374	0.373	0.24	
Trichloroethene	1	0		4.73	22.76	20			0.257	0.302	13.78	
Benzene	1	0		4.33	21.48	20			1.020	1.057	7.39	
tert-Amyl methyl ether	1	0		4.40	12.96	20			0.707	0.501	35.20	
Chlorobenzene-d5	1	0	I	6.34	30.00	30				0.000	0.00	
Iso-propylacetate	1	0		4.35	15.49				1.208			
Methyl methacrylate	1	0		4.91	16.75				0.405			
Dibromochloromethane	1	0		5.97	20.11	20			0.495	0.497	0.52	
2-Chloroethylvinylether	1	0		5.19	15.36	20			0.311	0.239	23.19	
cis-1,3-Dichloropropene	1	0		5.29	15.47	20			0.676	0.579	22.67	
trans-1,3-Dichloropropene	1	0		5.62	15.22	20			0.655	0.536	23.90	
Ethyl methacrylate	1	0		5.66	15.72				0.435			

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 1M93989.D **Instrument:** GCMS I

Cont Calibration Date/Time 11/15/2012 8:31:00 Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,1,2-Trichloroethane	1	0		5.73	17.65	20			0.423	0.374	11.77	
1,2-Dibromoethane	1	0		6.05	18.37	20			0.475	0.436	8.16	
1,3-Dichloropropane	1	0		5.83	17.35	20			0.709	0.615	13.27	
4-Methyl-2-Pentanone	1	0		5.37	15.03	20			0.605	0.454	24.86	
2-Hexanone	1	0		5.86	14.62	20			0.410	0.337	26.91	
Tetrachloroethene	1	0		5.84	19.77	20			0.342	0.338	1.15	
Toluene-d8	1	0	S	5.47	27.59	30			1.418	1.304	8.03	
Toluene	1	0	CC	5.51	18.46	20	20		0.949	0.876	7.68	
1,1,1,2-Tetrachloroethane	1	0		6.39	18.42	20			0.404	0.372	7.88	
Chlorobenzene	1	0	CP	6.35	18.89	20	0.3		1.095	1.034	5.54	
1,4-Dichlorobenzene-d4	1	0	I	7.74	30.00	30				0.000	0.00	
n-Butyl acrylate	1	0		6.64	11.35				1.465			
n-Amyl acetate	1	0		6.77	15.36				2.252			
Bromoform	1	0	CP	6.84	16.28	20	0.1		0.692	0.563	18.61	
Ethylbenzene	1	0	CC	6.41	18.78	20	20		0.656	0.617	6.08	
1,1,2,2-Tetrachloroethane	1	0	CP	7.08	17.09	20	0.3		1.200	1.025	14.54	
Bromofluorobenzene	1	0	S	7.04	30.42	30			0.910	0.923	1.39	
Styrene	1	0		6.72	18.47	20			1.708	1.577	7.64	
m&p-Xylenes	1	0		6.47	37.25	40			0.966	0.899	6.88	
o-Xylene	1	0		6.71	20.60	20			0.961	0.934	2.99	
trans-1,4-Dichloro-2-butene	1	0		7.11	15.62	20			0.403	0.315	21.89	
1,3-Dichlorobenzene	1	0		7.71	18.56	20			1.395	1.294	7.22	
1,4-Dichlorobenzene	1	0		7.76	18.71	20			1.422	1.330	6.45	
1,2-Dichlorobenzene	1	0		8.01	18.87	20			1.328	1.253	5.64	
Isopropylbenzene	1	0		6.93	16.82	20			2.418	2.142	15.90	
Cyclohexanone	1	0		6.99	92.11				0.051			
Camphene	1	0		7.11	17.41	20			0.567	0.494	12.95	
1,2,3-Trichloropropane	1	0		7.12	16.10	20			1.281	1.031	19.48	
2-Chlorotoluene	1	0		7.24	17.98	20			1.656	1.572	10.12	
p-Ethyltoluene	1	0		7.24	18.16				2.733			
4-Chlorotoluene	1	0		7.31	15.66	20			1.672	1.452	21.68	
n-Propylbenzene	1	0		7.17	15.92	20			3.163	2.754	20.38	
Bromobenzene	1	0		7.13	17.55	20			2.053	1.802	12.24	
1,3,5-Trimethylbenzene	1	0		7.28	17.25	20			2.033	1.754	13.73	
Butyl methacrylate	1	0		7.29	16.06				2.251			
t-Butylbenzene	1	0		7.49	17.12	20			1.705	1.581	14.40	
1,2,4-Trimethylbenzene	1	0		7.52	17.21	20			2.238	1.925	13.95	
sec-Butylbenzene	1	0		7.63	15.99	20			2.153	1.828	20.07	
4-Isopropyltoluene	1	0		7.71	18.86	20			1.734	1.635	5.69	
n-Butylbenzene	1	0		7.96	17.10	20			2.044	1.960	14.49	
p-Diethylbenzene	1	0		7.94	16.62				0.918			
1,2,4,5-Tetramethylbenzene	1	0		8.44	15.85				1.351			
1,2-Dibromo-3-Chloropropane	1	0		8.48	12.29	20			0.182	0.133	38.54	
Camphor	1	0		8.98	115.99	200			0.055	0.045	42.00	
Hexachlorobutadiene	1	0		9.14	24.64	20			0.346	0.409	23.18	
1,2,4-Trichlorobenzene	1	0		9.04	20.25	20			0.881	0.818	1.25	
1,2,3-Trichlorobenzene	1	0		9.37	17.02	20			0.826	0.703	14.91	
Naphthalene	1	0		9.21	16.72	20			2.016	1.540	16.40	
Freon 113	1	100		0.00	0.00	20				0.000	100.00	
1,2-Dioxane	1	100		0.00	0.00	2000				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 1M94091.D **Instrument:** GCMS 1

Cont Calibration Date/Time 11/16/2012 11:28:00 Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.49	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.31	23.16				0.560			
Dichlorodifluoromethane	1	0		1.31	21.99	20			0.356	0.413	9.95	
Chloromethane	1	0	CP	1.43	18.11	20	0.1		0.311	0.282	9.43	
Bromomethane	1	0		1.73	16.29	20			0.149	0.145	18.53	
Vinyl Chloride	1	0	CC	1.50	17.01	20	20		0.212	0.179	14.94	
Chloroethane	1	0		1.80	24.06	20			0.103	0.120	20.32	
Trichlorofluoromethane	1	0		1.98	21.03	20			0.448	0.471	5.17	
Ethyl ether	1	0		2.19	17.67	20			0.146	0.129	11.65	
Furan	1	0		2.21	17.86	20			0.397	0.432	10.70	
1,1,2-Trichloro-1,2,2-trifluoroetha	1	0		2.35	18.58	20			0.211	0.231	7.12	
Methylene Chloride	1	0		2.68	22.03	20			0.260	0.272	10.13	
Acrolein	1	0		2.27	89.01	100			0.041	0.036	10.99	
Acrylonitrile	1	0		2.86	18.35	20			0.099	0.102	8.23	
Iodomethane	1	0		2.47	24.11	20			0.309	0.351	20.55	
Acetone	1	0		2.38	92.18	100			0.090	0.103	7.82	
Carbon Disulfide	1	0		2.52	21.88	20			0.638	0.658	9.40	
t-Butyl Alcohol	1	0		2.75	59.19	100			0.025	0.014	40.81	
n-Hexane	1	0		3.13	21.47	20			0.200	0.215	7.35	
Di-isopropyl-ether	1	0		3.27	21.89	20			0.994	1.088	9.43	
1,1-Dichloroethene	1	0	CC	2.35	16.92	20	20		0.402	0.428	15.39	
Methyl Acetate	1	0		2.61	18.44	20			0.395	0.381	7.80	
Methyl-t-butyl ether	1	0		2.90	18.35	20			0.536	0.549	8.26	
1,1-Dichloroethane	1	0	CP	3.22	20.49	20	0.1		0.505	0.517	2.43	
trans-1,2-Dichloroethene	1	0		2.90	22.23	20			0.223	0.247	11.14	
Ethyl-t-butyl ether	1	0		3.57	16.04				0.817			
cis-1,2-Dichloroethene	1	0		3.69	20.71	20			0.554	0.574	3.54	
Bromochloromethane	1	0		3.86	23.18	20			0.315	0.365	15.89	
2,2-Dichloropropane	1	0		3.70	19.31	20			0.358	0.346	3.47	
Ethyl acetate	1	0		3.74	18.76				0.535			
1,4-Dioxane	1	0		4.93	968.74	1000			0.003	0.003	3.13	
1,1-Dichloropropene	1	0		4.18	21.20	20			0.399	0.423	6.00	
Chloroform	1	0	CC	3.92	20.28	20	20		0.528	0.536	1.42	
Dibromofluoromethane	1	0	S	4.04	34.02	30			0.320	0.362	13.40	
Cyclohexane	1	0		4.12	26.53	20			0.350	0.423	32.64	
1,2-Dichloroethane-d4	1	0	S	4.27	33.02	30			0.209	0.230	10.07	
1,2-Dichloroethane	1	0		4.32	18.45	20			0.569	0.525	7.75	
2-Butanone	1	0		3.69	20.76	20			0.153	0.159	3.79	
1,1,1-Trichloroethane	1	0		4.07	19.37	20			0.433	0.419	3.17	
Carbon Tetrachloride	1	0		4.20	21.57	20			0.382	0.412	7.84	
Vinyl Acetate	1	0		3.27	17.71	20			0.677	0.689	11.43	
Bromodichloromethane	1	0		5.01	20.46	20			0.510	0.522	2.31	
Methylcyclohexane	1	0		4.85	24.77	20			0.276	0.342	23.86	
Dibromomethane	1	0		4.93	21.85	20			0.264	0.288	9.23	
1,2-Dichloropropane	1	0	CC	4.85	20.44	20	20		0.374	0.382	2.21	
Trichloroethene	1	0		4.72	23.51	20			0.257	0.312	17.54	
Benzene	1	0		4.32	21.97	20			1.020	1.081	9.84	
tert-Amyl methyl ether	1	0		4.39	16.15	20			0.707	0.625	19.24	
Chlorobenzene-d5	1	0	I	6.32	30.00	30				0.000	0.00	
Iso-propylacetate	1	0		4.34	15.99				1.208			
Methyl methacrylate	1	0		4.91	18.21				0.405			
Dibromochloromethane	1	0		5.96	18.83	20			0.495	0.466	5.87	
2-Chloroethylvinylether	1	0		5.18	16.92	20			0.311	0.263	15.40	
cis-1,3-Dichloropropene	1	0		5.28	16.75	20			0.676	0.627	16.25	
trans-1,3-Dichloropropene	1	0		5.61	15.25	20			0.655	0.538	23.73	
Ethyl methacrylate	1	0		5.65	15.43				0.435			

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 1M94091.D **Instrument:** GCMS 1

Cont Calibration Date/Time 11/16/2012 11:28:00 Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,1,2-Trichloroethane	1	0		5.72	18.97	20			0.423	0.402	5.16	
1,2-Dibromoethane	1	0		6.04	19.42	20			0.475	0.461	2.91	
1,3-Dichloropropane	1	0		5.82	18.65	20			0.709	0.661	6.77	
4-Methyl-2-Pentanone	1	0		5.36	16.18	20			0.605	0.489	19.11	
2-Hexanone	1	0		5.85	14.42	20			0.410	0.332	27.89	
Tetrachloroethene	1	0		5.83	20.00	20			0.342	0.342	0.00	
Toluene-d8	1	0	S	5.46	28.33	30			1.418	1.339	5.57	
Toluene	1	0	CC	5.50	19.31	20	20		0.949	0.916	3.47	
1,1,1,2-Tetrachloroethane	1	0		6.37	20.74	20			0.404	0.419	3.70	
Chlorobenzene	1	0	CP	6.34	18.66	20	0.3		1.095	1.021	6.70	
1,4-Dichlorobenzene-d4	1	0	I	7.73	30.00	30				0.000	0.00	
n-Butyl acrylate	1	0		6.63	11.29				1.465			
n-Amyl acetate	1	0		6.76	15.01				2.252			
Bromoform	1	0	CP	6.83	15.89	20	0.1		0.692	0.550	20.58	
Ethylbenzene	1	0	CC	6.39	18.12	20	20		0.656	0.595	9.39	
1,1,2,2-Tetrachloroethane	1	0	CP	7.07	15.10	20	0.3		1.200	0.906	24.49	
Bromofluorobenzene	1	0	S	7.01	29.45	30			0.910	0.894	1.82	
Styrene	1	0		6.70	17.26	20			1.708	1.474	13.69	
m&p-Xylenes	1	0		6.46	36.44	40			0.966	0.880	8.91	
o-Xylene	1	0		6.70	18.97	20			0.961	0.860	5.15	
trans-1,4-Dichloro-2-butene	1	0		7.10	16.50	20			0.403	0.333	17.50	
1,3-Dichlorobenzene	1	0		7.70	17.21	20			1.395	1.200	13.95	
1,4-Dichlorobenzene	1	0		7.75	19.19	20			1.422	1.364	4.06	
1,2-Dichlorobenzene	1	0		7.99	17.99	20			1.328	1.194	10.04	
Isopropylbenzene	1	0		6.92	15.87	20			2.418	2.021	20.64	
Cyclohexanone	1	0		6.99	90.55				0.051			
Camphene	1	0		7.10	17.61	20			0.567	0.499	11.93	
1,2,3-Trichloropropane	1	0		7.11	14.98	20			1.281	0.959	25.11	
2-Chlorotoluene	1	0		7.23	18.61	20			1.656	1.627	6.97	
p-Ethyltoluene	1	0		7.23	20.18				2.733			
4-Chlorotoluene	1	0		7.30	16.00	20			1.672	1.483	20.01	
n-Propylbenzene	1	0		7.16	16.68	20			3.163	2.884	16.62	
Bromobenzene	1	0		7.12	16.59	20			2.053	1.703	17.05	
1,3,5-Trimethylbenzene	1	0		7.26	15.30	20			2.033	1.555	23.49	
Butyl methacrylate	1	0		7.28	15.67				2.251			
t-Butylbenzene	1	0		7.48	16.97	20			1.705	1.568	15.13	
1,2,4-Trimethylbenzene	1	0		7.50	17.06	20			2.238	1.909	14.71	
sec-Butylbenzene	1	0		7.62	17.50	20			2.153	2.001	12.50	
4-Isopropyltoluene	1	0		7.69	18.71	20			1.734	1.622	6.46	
n-Butylbenzene	1	0		7.95	17.60	20			2.044	2.017	11.99	
p-Diethylbenzene	1	0		7.93	16.44				0.918			
1,2,4,5-Tetramethylbenzene	1	0		8.43	17.50				1.351			
1,2-Dibromo-3-Chloropropane	1	0		8.48	13.08	20			0.182	0.141	34.59	
Camphor	1	0		8.96	112.42	200			0.055	0.044	43.79	
Hexachlorobutadiene	1	0		9.13	21.48	20			0.346	0.357	7.41	
1,2,4-Trichlorobenzene	1	0		9.02	13.00	20			0.881	0.525	35.01	
1,2,3-Trichlorobenzene	1	0		9.36	17.14	20			0.826	0.708	14.29	
Naphthalene	1	0		9.20	17.78	20			2.016	1.637	11.09	
Freon 113	1	100		0.00	0.00	20				0.000	100.00	
1,2-Dioxane	1	100		0.00	0.00	2000				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/Q - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

FORM8

Internal Standard Areas

Evaluation Std Data File: 1M93638.D Method: EPA 8260B

Analysis Date/Time: 11/07/12 10:51

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	837933	4.50	602210	6.34	348105	7.75						
Eval File Area Limit:	418966-1675866		301105-1204420		174052-696210							
Eval File Rt Limit:	4-5		5.84-6.84		7.25-8.25							

Data File	Sample						
1M93630.D	BLK	717292	4.50	569783	6.33	340581	7.75
1M93631.D	1 PPB	641280	4.50	457250	6.34	282688	7.75
1M93632.D	CAL @ 0.5 P	677446	4.49	514447	6.34	299670	7.74
1M93633.D	CAL @ 5 PPB	758817	4.51	569283	6.34	345212	7.75
1M93634.D	CAL @ 500 P	612589	4.50	455962	6.34	248097	7.75
1M93635.D	CAL @ 250 P	725861	4.51	570136	6.34	295056	7.75
1M93636.D	CAL @ 100 P	625544	4.51	471313	6.34	273808	7.75
1M93637.D	CAL @ 50 PP	822844	4.50	630870	6.34	352119	7.75
1M93638.D	CAL @ 20 PP	837933	4.50	602210	6.34	348105	7.75
1M93639.D	CAL @ 10 PP	837378	4.50	557706	6.34	350198	7.75
1M93640.D	BLK	782365	4.50	546924	6.34	307621	7.75
1M93641.D	1 PPB	517967	4.50	473594	6.34	260987	7.75
1M93642.D	20 PPB	677932	4.50	544784	6.34	315402	7.75
1M93643.D	BLK	769827	4.50	539029	6.34	312845	7.75
1M93644.D	CAL @ 1 PPB	779534	4.50	553259	6.34	319939	7.75
1M93645.D	50 PPB	782480	4.51	566912	6.34	320972	7.75
1M93646.D	ICV	788457	4.51	611811	6.34	334909	7.75
1M93647.D	BLK	780459	4.50	610798	6.34	347820	7.75
1M93648.D	DAILY BLANK	794790	4.50	576700	6.34	332092	7.75
1M93649.D	DAILY BLANK	835814	4.50	597344	6.34	352592	7.75
1M93650.D	MBS22597	776809	4.50	572482	6.34	353942	7.75
1M93651.D	MBS22598	868872	4.50	659095	6.34	368942	7.75
1M93652.D	BLK	777191	4.50	567346	6.34	292434	7.75
1M93653.D	AC69016-004	797862	4.50	547763	6.34	289151	7.75
1M93654.D	AC69016-006	823534	4.50	527742	6.34	304609	7.75
1M93655.D	AC69016-009	820234	4.51	543240	6.34	334101	7.75
1M93656.D	AC69016-008(	769540	4.51	606593	6.34	330980	7.75
1M93657.D	AC69016-011(	702374	4.50	537153	6.34	323957	7.75
1M93658.D	AC69016-005(	708735	4.50	509665	6.34	279861	7.75
1M93659.D	AC69018-003(	737723	4.50	513775	6.34	300920	7.75
1M93662.D	AC69018-003(	795258	4.50	565604	6.34	378417	7.75
1M93663.D	BLK	638187	4.51	493093	6.34	276054	7.76
1M93668.D	BLK	595116	4.51	408085	6.34	232121	7.75
1M93669.D	BLK	714381	4.51	468733	6.34	265565	7.75

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 1M93989.D Method: EPA 8260B

Analysis Date/Time: 11/15/12 08:31

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	794631	4.50	658231	6.34	410585	7.74						
Eval File Area Limit:	397316-1589262		329116-1316462		205292-821170							
Eval File Rt Limit:	4-5		5.84-6.84		7.24-8.24							

Data File	Sample						
1M93988.D	BLK	728585	4.48	627384	6.32	382245	7.73
1M93990.D	BLK	757689	4.50	645392	6.32	377561	7.74
1M93991.D	DAILY BLANK	806875	4.48	640678	6.32	394366	7.73
1M93992.D	DAILY BLANK	758213	4.48	611388	6.32	357079	7.73
1M93993.D	MBS22703	861710	4.49	617298	6.32	410796	7.74
1M93994.D	MBS22704	839393	4.48	622997	6.32	402109	7.73
1M93995.D	BLKJUG#2	819334	4.49	627872	6.32	373120	7.73
1M94008.D	AC69258-010	781650	4.50	660034	6.32	387564	7.74
1M94009.D	AC69165-006	825840	4.50	611665	6.32	408515	7.75
1M94010.D	AC69165-007	813648	4.49	670170	6.32	388136	7.74
1M94011.D	AC69258-011	764079	4.49	613151	6.32	391568	7.73
1M94012.D	AC69251-001	778822	4.50	660362	6.32	356505	7.73
1M94013.D	BLK	773759	4.50	568589	6.32	343323	7.73
1M94014.D	AC69269-006	767234	4.50	612892	6.32	367927	7.73
1M94018.D	MBS22712	798355	4.49	700541	6.33	407595	7.74
1M94019.D	BLKJUG#3	771843	4.50	622439	6.32	352605	7.74
1M94020.D	AC69172-006	778053	4.49	619695	6.32	381339	7.73
1M94021.D	AC69154-002	762466	4.50	610512	6.32	338870	7.73
1M94022.D	AC69154-009	837605	4.49	640624	6.33	380334	7.74
1M94023.D	AC69154-006	818961	4.50	714730	6.32	397460	7.73
1M94024.D	AC69154-008	877183	4.50	699853	6.32	396651	7.74
1M94025.D	AC69164-003	847411	4.49	650879	6.32	372038	7.73
1M94026.D	AC69164-004	902353	4.50	732946	6.32	421755	7.74
1M94027.D	AC69143-007	844226	4.49	705432	6.32	450316	7.73
1M94028.D	BLK	814662	4.49	619853	6.33	385073	7.74
1M94029.D	AC69143-008	853861	4.48	646120	6.32	402978	7.73
1M94030.D	AC69201-029	843091	4.49	678543	6.33	403369	7.73
1M94031.D	AC69201-029	833707	4.49	649795	6.33	391181	7.73
1M94032.D	MBS22713	824884	4.49	622148	6.32	401440	7.73
1M94033.D	AC69201-009	866875	4.50	660360	6.33	386348	7.74
1M94034.D	AC69201-009	840585	4.49	673621	6.33	386851	7.74
1M94035.D	BLK	867646	4.50	611979	6.33	347773	7.74
1M94050.D	BLK	727593	4.49	582253	6.33	373554	7.74
1M94051.D	BLK	772740	4.49	613361	6.33	348053	7.74
1M94058.D	MBS22714	864334	4.50	701446	6.33	440677	7.74
1M94059.D	AC69201-031	944895	4.50	704645	6.33	444138	7.74
1M94060.D	AC69201-031	871479	4.49	640733	6.33	435173	7.74
1M94061.D	BLK	904094	4.49	713341	6.33	411883	7.74

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 1M94091.D Method: EPA 8260B

Analysis Date/Time: 11/16/12 11:28

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	762857	4.49	652715	6.32	444076	7.73						
Eval File Area Limit:	381428-1525714		326358-1305430		222038-888152							
Eval File Rt Limit:	3.99-4.99		5.82-6.82		7.23-8.23							

Data File	Sample												
1M94092.D	BLK	771386	4.49	656296	6.33	376474	7.74						
1M94093.D	DAILY BLANK	746187	4.48	645367	6.32	378543	7.73						
1M94094.D	DAILY BLANK	789349	4.49	594944	6.32	342806	7.73						
1M94095.D	MBS22728	1040799	4.48	751594	6.32	486734	7.73						
1M94096.D	MBS22730	839252	4.49	631145	6.33	400803	7.73						
1M94097.D	AC69255-009	807557	4.48	594590	6.32	367129	7.73						
1M94098.D	AC69164-004	810282	4.49	610342	6.32	396987	7.73						
1M94099.D	BLK	826505	4.49	657279	6.33	372281	7.74						
1M94100.D	AC69164-003	814218	4.48	603331	6.33	386241	7.74						
1M94101.D	MBS22731	853604	4.50	638304	6.33	408805	7.74						
1M94102.D	MBS22732	833865	4.49	665089	6.33	424853	7.74						
1M94103.D	BLK	869636	4.49	645766	6.33	402505	7.74						
1M94104.D	AC69261-019	800385	4.49	624648	6.33	367976	7.74						
1M94105.D	AC69261-020	791285	4.49	692568	6.33	390053	7.74						
1M94106.D	AC69274-007	835530	4.49	651146	6.33	377986	7.74						
1M94107.D	AC69291-006	781926	4.49	645365	6.33	367627	7.74						
1M94108.D	AC69292-036	810106	4.49	595312	6.33	371590	7.74						
1M94109.D	AC69292-037	832831	4.49	702152	6.33	367776	7.73						
1M94110.D	BLK	791936	4.50	607979	6.32	380038	7.73						
1M94111.D	AC69321-001	747612	4.49	661539	6.32	384728	7.73						
1M94112.D	AC69321-002	799792	4.50	689119	6.32	376572	7.73						
1M94113.D	AC69261-003	794213	4.50	644689	6.32	374949	7.74						
1M94114.D	AC69261-005	746942	4.49	677950	6.32	384540	7.73						
1M94115.D	AC69261-006	797644	4.49	641212	6.32	361687	7.73						
1M94116.D	AC69261-010	759934	4.49	635866	6.32	357849	7.73						
1M94117.D	MBS22736	819275	4.49	648437	6.32	407304	7.73						
1M94119.D	AC69261-011	778394	4.49	635971	6.32	370549	7.74						
1M94120.D	AC69261-012	799309	4.49	632481	6.32	360016	7.73						
1M94121.D	AC69261-013	738614	4.49	615897	6.32	351582	7.73						
1M94122.D	AC69261-014	756077	4.49	621885	6.32	359487	7.73						
1M94123.D	AC69261-015	734725	4.49	615850	6.32	358728	7.73						
1M94124.D	AC69261-016	791730	4.49	644476	6.32	390281	7.73						
1M94125.D	AC69261-017	780153	4.49	654586	6.32	383357	7.73						
1M94126.D	AC69261-004	785197	4.49	615448	6.32	357660	7.73						
1M94127.D	AC69261-018	746566	4.48	615818	6.32	342923	7.73						
1M94128.D	AC69261-009	755135	4.48	591611	6.32	359307	7.73						
1M94129.D	AC69261-007	742997	4.48	551914	6.32	364763	7.73						
1M94130.D	AC69261-001	741633	4.48	556922	6.32	391062	7.73						
1M94131.D	AC69261-008	748492	4.49	546925	6.32	365100	7.73						
1M94132.D	AC69269-006	757626	4.49	557797	6.32	381687	7.73						
1M94133.D	AC69269-006	760069	4.48	565125	6.32	378799	7.73						
1M94134.D	BLK	738312	4.48	615844	6.32	347969	7.73						
1M94135.D	BLK	723228	4.48	605385	6.32	340332	7.73						
1M94136.D	BLK	801018	4.48	633445	6.32	375137	7.73						
1M94137.D	MBS22737	736839	4.49	578517	6.32	355261	7.73						
1M94138.D	MBS22738	806973	4.49	576760	6.32	410548	7.74						
1M94139.D	BLK	723213	4.49	629937	6.32	375233	7.73						
1M94160.D	MBS22739	801202	4.48	682580	6.32	382257	7.73						
1M94161.D	AC69280-001	807601	4.49	587883	6.32	414820	7.72						
1M94162.D	AC69280-001	830394	4.49	638370	6.32	413347	7.73						

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

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Last Page of Report

ANALYTICAL REPORT

Lab Number:	L1211766
Client:	Whitestone Associates, Inc. 35 Technology Drive Warren, NJ 07059
ATTN:	Patrick Beesley
Phone:	(908) 668-7777
Project Name:	EJ1111829.002
Project Number:	EJ1111829.002
Report Date:	07/09/12

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Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), PA (68-02089), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), DOD (L2217.01), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1211766
Report Date: 07/09/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1211766-01	SV-1	BRONX, NY	06/29/12 12:22
L1211766-02	SV-2	BRONX, NY	06/29/12 12:50
L1211766-03	SV-3	BRONX, NY	06/29/12 13:45
L1211766-04	SV-4	BRONX, NY	06/29/12 14:10
L1211766-05	SV-5	BRONX, NY	06/29/12 14:50
L1211766-06	SV-6	BRONX, NY	06/30/12 10:46
L1211766-07	SV-7	BRONX, NY	06/30/12 11:35
L1211766-08	SV-8	BRONX, NY	06/30/12 11:47

Project Name: EJ1111829.002 **Lab Number:** L1211766
Project Number: EJ1111829.002 **Report Date:** 07/09/12

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	EJ1111829.002	**Lab Number:**	L1211766
Project Number:	EJ1111829.002	**Report Date:**	07/09/12

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on June 27, 2012. The canister certification results are provided as an addendum.

L1211766-08 The RPD of the pre- and post-flow controller calibration check (29% RPD) was outside acceptable limits (20% RPD). The final pressure recorded at the laboratory of the associated canister was -28.1 inches of mercury. The intial flow rate for the associated flow controller was 36 mL/minute the final flow rate was 27 mL/minute.

L1211766-01 through -04 have elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the samples.

L1211766-01 through -04, -06, -07 and WG546567-5 Duplicate results for Propylene and Acetone should be considered estimated due to co-elution with a non-target peak.

L1211766-01 through -04 results for 4-Methyl-2-Pentanone should be considered estimated due to co-elution with a non-target peak.

L1211766-06, -07 and WG546567-5 Duplicate have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the samples.

WG546567-5: The relative percent difference for Acetone (27%) is above the RPD limit of 25%. This compound represented less than 10% of the compounds detected, therefore no further action was taken.

The samples designated SV-5 and SV-8 (L1211766-05 and -08) were received with final pressures of -27.3 and -28.1 inches of mercury, respectively. The analysis of these samples was cancelled by the client.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 07/09/12

AIR

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1211766
Report Date: 07/09/12

SAMPLE RESULTS

Lab ID: L1211766-01 D
Client ID: SV-1
Sample Location: BRONX, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/05/12 19:10
Analyst: RY

Date Collected: 06/29/12 12:22
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	38.4	1.67	--	66.1	2.87	--		3.333
Dichlorodifluoromethane	ND	0.667	--	ND	3.30	--		3.333
Chloromethane	ND	0.667	--	ND	1.38	--		3.333
Freon-114	ND	0.667	--	ND	4.66	--		3.333
Vinyl chloride	ND	0.667	--	ND	1.70	--		3.333
1,3-Butadiene	3.15	0.667	--	6.97	1.48	--		3.333
Bromomethane	ND	0.667	--	ND	2.59	--		3.333
Chloroethane	ND	0.667	--	ND	1.76	--		3.333
Ethanol	ND	8.33	--	ND	15.7	--		3.333
Vinyl bromide	ND	0.667	--	ND	2.92	--		3.333
Acetone	23.7	3.33	--	56.3	7.91	--		3.333
Trichlorofluoromethane	2.71	0.667	--	15.2	3.75	--		3.333
Isopropanol	ND	1.67	--	ND	4.10	--		3.333
1,1-Dichloroethene	ND	0.667	--	ND	2.64	--		3.333
Methylene chloride	ND	3.33	--	ND	11.6	--		3.333
3-Chloropropene	ND	0.667	--	ND	2.09	--		3.333
Carbon disulfide	3.24	0.667	--	10.1	2.08	--		3.333
Freon-113	ND	0.667	--	ND	5.11	--		3.333
trans-1,2-Dichloroethene	ND	0.667	--	ND	2.64	--		3.333
1,1-Dichloroethane	ND	0.667	--	ND	2.70	--		3.333
Methyl tert butyl ether	ND	0.667	--	ND	2.40	--		3.333
Vinyl acetate	ND	0.667	--	ND	2.35	--		3.333
2-Butanone	5.87	0.667	--	17.3	1.97	--		3.333
cis-1,2-Dichloroethene	ND	0.667	--	ND	2.64	--		3.333

Project Name: EJ1111829.002 **Lab Number:** L1211766
Project Number: EJ1111829.002 **Report Date:** 07/09/12

SAMPLE RESULTS

Lab ID: L1211766-01 D
Client ID: SV-1
Sample Location: BRONX, NY

Date Collected: 06/29/12 12:22
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	1.67	--	ND	6.02	--		3.333
Chloroform	3.70	0.667	--	18.1	3.26	--		3.333
Tetrahydrofuran	2.70	0.667	--	7.96	1.97	--		3.333
1,2-Dichloroethane	ND	0.667	--	ND	2.70	--		3.333
n-Hexane	7.45	0.667	--	26.2	2.35	--		3.333
1,1,1-Trichloroethane	3.85	0.667	--	21.0	3.64	--		3.333
Benzene	4.61	0.667	--	14.7	2.13	--		3.333
Carbon tetrachloride	ND	0.667	--	ND	4.20	--		3.333
Cyclohexane	1.93	0.667	--	6.64	2.30	--		3.333
1,2-Dichloropropane	ND	0.667	--	ND	3.08	--		3.333
Bromodichloromethane	ND	0.667	--	ND	4.47	--		3.333
1,4-Dioxane	ND	0.667	--	ND	2.40	--		3.333
Trichloroethene	0.943	0.667	--	5.07	3.58	--		3.333
2,2,4-Trimethylpentane	1.24	0.667	--	5.79	3.12	--		3.333
Heptane	4.64	0.667	--	19.0	2.73	--		3.333
cis-1,3-Dichloropropene	ND	0.667	--	ND	3.03	--		3.333
4-Methyl-2-pentanone	ND	0.667	--	ND	2.73	--		3.333
trans-1,3-Dichloropropene	ND	0.667	--	ND	3.03	--		3.333
1,1,2-Trichloroethane	ND	0.667	--	ND	3.64	--		3.333
Toluene	24.9	0.667	--	93.8	2.51	--		3.333
2-Hexanone	ND	0.667	--	ND	2.73	--		3.333
Dibromochloromethane	ND	0.667	--	ND	5.68	--		3.333
1,2-Dibromoethane	ND	0.667	--	ND	5.12	--		3.333
Tetrachloroethene	1.18	0.667	--	8.00	4.52	--		3.333
Chlorobenzene	ND	0.667	--	ND	3.07	--		3.333
Ethylbenzene	5.70	0.667	--	24.8	2.90	--		3.333
p/m-Xylene	22.1	1.33	--	96.0	5.78	--		3.333
Bromoform	ND	0.667	--	ND	6.90	--		3.333

Project Name: EJ1111829.002 **Lab Number:** L1211766
Project Number: EJ1111829.002 **Report Date:** 07/09/12

SAMPLE RESULTS

Lab ID: L1211766-01 D
Client ID: SV-1
Sample Location: BRONX, NY

Date Collected: 06/29/12 12:22
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Styrene	ND	0.667	--	ND	2.84	--		3.333
1,1,2,2-Tetrachloroethane	ND	0.667	--	ND	4.58	--		3.333
o-Xylene	7.18	0.667	--	31.2	2.90	--		3.333
4-Ethyltoluene	2.51	0.667	--	12.3	3.28	--		3.333
1,3,5-Trimethybenzene	2.11	0.667	--	10.4	3.28	--		3.333
1,2,4-Trimethylbenzene	8.23	0.667	--	40.4	3.28	--		3.333
Benzyl chloride	ND	0.667	--	ND	3.45	--		3.333
1,3-Dichlorobenzene	ND	0.667	--	ND	4.01	--		3.333
1,4-Dichlorobenzene	ND	0.667	--	ND	4.01	--		3.333
1,2-Dichlorobenzene	ND	0.667	--	ND	4.01	--		3.333
1,2,4-Trichlorobenzene	ND	0.667	--	ND	4.95	--		3.333
Hexachlorobutadiene	ND	0.667	--	ND	7.11	--		3.333

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	116		60-140
chlorobenzene-d5	100		60-140

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1211766
Report Date: 07/09/12

SAMPLE RESULTS

Lab ID: L1211766-02 D
Client ID: SV-2
Sample Location: BRONX, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/05/12 19:44
Analyst: RY

Date Collected: 06/29/12 12:50
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	69.4	1.67	--	119	2.87	--		3.333
Dichlorodifluoromethane	ND	0.667	--	ND	3.30	--		3.333
Chloromethane	ND	0.667	--	ND	1.38	--		3.333
Freon-114	ND	0.667	--	ND	4.66	--		3.333
Vinyl chloride	ND	0.667	--	ND	1.70	--		3.333
1,3-Butadiene	5.05	0.667	--	11.2	1.48	--		3.333
Bromomethane	ND	0.667	--	ND	2.59	--		3.333
Chloroethane	ND	0.667	--	ND	1.76	--		3.333
Ethanol	61.9	8.33	--	117	15.7	--		3.333
Vinyl bromide	ND	0.667	--	ND	2.92	--		3.333
Acetone	43.5	3.33	--	103	7.91	--		3.333
Trichlorofluoromethane	ND	0.667	--	ND	3.75	--		3.333
Isopropanol	11.1	1.67	--	27.3	4.10	--		3.333
1,1-Dichloroethene	ND	0.667	--	ND	2.64	--		3.333
Methylene chloride	ND	3.33	--	ND	11.6	--		3.333
3-Chloropropene	ND	0.667	--	ND	2.09	--		3.333
Carbon disulfide	3.64	0.667	--	11.3	2.08	--		3.333
Freon-113	ND	0.667	--	ND	5.11	--		3.333
trans-1,2-Dichloroethene	ND	0.667	--	ND	2.64	--		3.333
1,1-Dichloroethane	ND	0.667	--	ND	2.70	--		3.333
Methyl tert butyl ether	ND	0.667	--	ND	2.40	--		3.333
Vinyl acetate	ND	0.667	--	ND	2.35	--		3.333
2-Butanone	6.12	0.667	--	18.0	1.97	--		3.333
cis-1,2-Dichloroethene	ND	0.667	--	ND	2.64	--		3.333

Project Name: EJ1111829.002 **Lab Number:** L1211766
Project Number: EJ1111829.002 **Report Date:** 07/09/12

SAMPLE RESULTS

Lab ID: L1211766-02 D
Client ID: SV-2
Sample Location: BRONX, NY

Date Collected: 06/29/12 12:50
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	1.67	--	ND	6.02	--		3.333
Chloroform	6.31	0.667	--	30.8	3.26	--		3.333
Tetrahydrofuran	3.54	0.667	--	10.4	1.97	--		3.333
1,2-Dichloroethane	ND	0.667	--	ND	2.70	--		3.333
n-Hexane	11.4	0.667	--	40.2	2.35	--		3.333
1,1,1-Trichloroethane	5.49	0.667	--	30.0	3.64	--		3.333
Benzene	6.13	0.667	--	19.6	2.13	--		3.333
Carbon tetrachloride	ND	0.667	--	ND	4.20	--		3.333
Cyclohexane	2.20	0.667	--	7.57	2.30	--		3.333
1,2-Dichloropropane	ND	0.667	--	ND	3.08	--		3.333
Bromodichloromethane	ND	0.667	--	ND	4.47	--		3.333
1,4-Dioxane	ND	0.667	--	ND	2.40	--		3.333
Trichloroethene	ND	0.667	--	ND	3.58	--		3.333
2,2,4-Trimethylpentane	1.62	0.667	--	7.57	3.12	--		3.333
Heptane	7.08	0.667	--	29.0	2.73	--		3.333
cis-1,3-Dichloropropene	ND	0.667	--	ND	3.03	--		3.333
4-Methyl-2-pentanone	1.02	0.667	--	4.18	2.73	--		3.333
trans-1,3-Dichloropropene	ND	0.667	--	ND	3.03	--		3.333
1,1,2-Trichloroethane	ND	0.667	--	ND	3.64	--		3.333
Toluene	35.1	0.667	--	132	2.51	--		3.333
2-Hexanone	ND	0.667	--	ND	2.73	--		3.333
Dibromochloromethane	ND	0.667	--	ND	5.68	--		3.333
1,2-Dibromoethane	ND	0.667	--	ND	5.12	--		3.333
Tetrachloroethene	ND	0.667	--	ND	4.52	--		3.333
Chlorobenzene	ND	0.667	--	ND	3.07	--		3.333
Ethylbenzene	7.12	0.667	--	30.9	2.90	--		3.333
p/m-Xylene	25.7	1.33	--	112	5.78	--		3.333
Bromoform	ND	0.667	--	ND	6.90	--		3.333

Project Name: EJ1111829.002 **Lab Number:** L1211766
Project Number: EJ1111829.002 **Report Date:** 07/09/12

SAMPLE RESULTS

Lab ID: L1211766-02 D
Client ID: SV-2
Sample Location: BRONX, NY

Date Collected: 06/29/12 12:50
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Styrene	ND	0.667	--	ND	2.84	--		3.333
1,1,2,2-Tetrachloroethane	ND	0.667	--	ND	4.58	--		3.333
o-Xylene	8.35	0.667	--	36.3	2.90	--		3.333
4-Ethyltoluene	2.69	0.667	--	13.2	3.28	--		3.333
1,3,5-Trimethybenzene	2.32	0.667	--	11.4	3.28	--		3.333
1,2,4-Trimethylbenzene	8.93	0.667	--	43.9	3.28	--		3.333
Benzyl chloride	ND	0.667	--	ND	3.45	--		3.333
1,3-Dichlorobenzene	ND	0.667	--	ND	4.01	--		3.333
1,4-Dichlorobenzene	ND	0.667	--	ND	4.01	--		3.333
1,2-Dichlorobenzene	ND	0.667	--	ND	4.01	--		3.333
1,2,4-Trichlorobenzene	ND	0.667	--	ND	4.95	--		3.333
Hexachlorobutadiene	ND	0.667	--	ND	7.11	--		3.333

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	111		60-140
Bromochloromethane	132		60-140
chlorobenzene-d5	106		60-140

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1211766
Report Date: 07/09/12

SAMPLE RESULTS

Lab ID: L1211766-03 D
Client ID: SV-3
Sample Location: BRONX, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/05/12 20:17
Analyst: RY

Date Collected: 06/29/12 13:45
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	43.3	1.67	--	74.5	2.87	--		3.333
Dichlorodifluoromethane	ND	0.667	--	ND	3.30	--		3.333
Chloromethane	ND	0.667	--	ND	1.38	--		3.333
Freon-114	ND	0.667	--	ND	4.66	--		3.333
Vinyl chloride	ND	0.667	--	ND	1.70	--		3.333
1,3-Butadiene	2.47	0.667	--	5.46	1.48	--		3.333
Bromomethane	ND	0.667	--	ND	2.59	--		3.333
Chloroethane	ND	0.667	--	ND	1.76	--		3.333
Ethanol	ND	8.33	--	ND	15.7	--		3.333
Vinyl bromide	ND	0.667	--	ND	2.92	--		3.333
Acetone	33.0	3.33	--	78.4	7.91	--		3.333
Trichlorofluoromethane	ND	0.667	--	ND	3.75	--		3.333
Isopropanol	ND	1.67	--	ND	4.10	--		3.333
1,1-Dichloroethene	ND	0.667	--	ND	2.64	--		3.333
Methylene chloride	ND	3.33	--	ND	11.6	--		3.333
3-Chloropropene	ND	0.667	--	ND	2.09	--		3.333
Carbon disulfide	1.54	0.667	--	4.80	2.08	--		3.333
Freon-113	ND	0.667	--	ND	5.11	--		3.333
trans-1,2-Dichloroethene	ND	0.667	--	ND	2.64	--		3.333
1,1-Dichloroethane	ND	0.667	--	ND	2.70	--		3.333
Methyl tert butyl ether	ND	0.667	--	ND	2.40	--		3.333
Vinyl acetate	ND	0.667	--	ND	2.35	--		3.333
2-Butanone	6.65	0.667	--	19.6	1.97	--		3.333
cis-1,2-Dichloroethene	ND	0.667	--	ND	2.64	--		3.333

Project Name: EJ1111829.002 **Lab Number:** L1211766
Project Number: EJ1111829.002 **Report Date:** 07/09/12

SAMPLE RESULTS

Lab ID: L1211766-03 D
Client ID: SV-3
Sample Location: BRONX, NY

Date Collected: 06/29/12 13:45
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	1.67	--	ND	6.02	--		3.333
Chloroform	ND	0.667	--	ND	3.26	--		3.333
Tetrahydrofuran	3.15	0.667	--	9.29	1.97	--		3.333
1,2-Dichloroethane	ND	0.667	--	ND	2.70	--		3.333
n-Hexane	7.24	0.667	--	25.5	2.35	--		3.333
1,1,1-Trichloroethane	ND	0.667	--	ND	3.64	--		3.333
Benzene	4.85	0.667	--	15.5	2.13	--		3.333
Carbon tetrachloride	ND	0.667	--	ND	4.20	--		3.333
Cyclohexane	2.03	0.667	--	6.99	2.30	--		3.333
1,2-Dichloropropane	ND	0.667	--	ND	3.08	--		3.333
Bromodichloromethane	ND	0.667	--	ND	4.47	--		3.333
1,4-Dioxane	ND	0.667	--	ND	2.40	--		3.333
Trichloroethene	6.52	0.667	--	35.0	3.58	--		3.333
2,2,4-Trimethylpentane	1.27	0.667	--	5.93	3.12	--		3.333
Heptane	4.50	0.667	--	18.4	2.73	--		3.333
cis-1,3-Dichloropropene	ND	0.667	--	ND	3.03	--		3.333
4-Methyl-2-pentanone	ND	0.667	--	ND	2.73	--		3.333
trans-1,3-Dichloropropene	ND	0.667	--	ND	3.03	--		3.333
1,1,2-Trichloroethane	ND	0.667	--	ND	3.64	--		3.333
Toluene	34.9	0.667	--	132	2.51	--		3.333
2-Hexanone	ND	0.667	--	ND	2.73	--		3.333
Dibromochloromethane	ND	0.667	--	ND	5.68	--		3.333
1,2-Dibromoethane	ND	0.667	--	ND	5.12	--		3.333
Tetrachloroethene	16.3	0.667	--	110	4.52	--		3.333
Chlorobenzene	ND	0.667	--	ND	3.07	--		3.333
Ethylbenzene	8.36	0.667	--	36.3	2.90	--		3.333
p/m-Xylene	32.0	1.33	--	139	5.78	--		3.333
Bromoform	ND	0.667	--	ND	6.90	--		3.333

Project Name: EJ1111829.002 **Lab Number:** L1211766
Project Number: EJ1111829.002 **Report Date:** 07/09/12

SAMPLE RESULTS

Lab ID: L1211766-03 D
Client ID: SV-3
Sample Location: BRONX, NY

Date Collected: 06/29/12 13:45
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Styrene	ND	0.667	--	ND	2.84	--		3.333
1,1,2,2-Tetrachloroethane	ND	0.667	--	ND	4.58	--		3.333
o-Xylene	10.6	0.667	--	46.0	2.90	--		3.333
4-Ethyltoluene	3.88	0.667	--	19.1	3.28	--		3.333
1,3,5-Trimethybenzene	3.27	0.667	--	16.1	3.28	--		3.333
1,2,4-Trimethylbenzene	12.8	0.667	--	62.9	3.28	--		3.333
Benzyl chloride	ND	0.667	--	ND	3.45	--		3.333
1,3-Dichlorobenzene	ND	0.667	--	ND	4.01	--		3.333
1,4-Dichlorobenzene	ND	0.667	--	ND	4.01	--		3.333
1,2-Dichlorobenzene	ND	0.667	--	ND	4.01	--		3.333
1,2,4-Trichlorobenzene	ND	0.667	--	ND	4.95	--		3.333
Hexachlorobutadiene	ND	0.667	--	ND	7.11	--		3.333

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	127		60-140
Bromochloromethane	120		60-140
chlorobenzene-d5	118		60-140

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1211766
Report Date: 07/09/12

SAMPLE RESULTS

Lab ID: L1211766-04 D
Client ID: SV-4
Sample Location: BRONX, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/05/12 20:50
Analyst: RY

Date Collected: 06/29/12 14:10
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	44.8	1.67	--	77.1	2.87	--		3.333
Dichlorodifluoromethane	ND	0.667	--	ND	3.30	--		3.333
Chloromethane	ND	0.667	--	ND	1.38	--		3.333
Freon-114	ND	0.667	--	ND	4.66	--		3.333
Vinyl chloride	ND	0.667	--	ND	1.70	--		3.333
1,3-Butadiene	3.33	0.667	--	7.37	1.48	--		3.333
Bromomethane	ND	0.667	--	ND	2.59	--		3.333
Chloroethane	ND	0.667	--	ND	1.76	--		3.333
Ethanol	588	8.33	--	1110	15.7	--		3.333
Vinyl bromide	ND	0.667	--	ND	2.92	--		3.333
Acetone	71.6	3.33	--	170	7.91	--		3.333
Trichlorofluoromethane	ND	0.667	--	ND	3.75	--		3.333
Isopropanol	3.28	1.67	--	8.06	4.10	--		3.333
1,1-Dichloroethene	ND	0.667	--	ND	2.64	--		3.333
Methylene chloride	ND	3.33	--	ND	11.6	--		3.333
3-Chloropropene	ND	0.667	--	ND	2.09	--		3.333
Carbon disulfide	1.77	0.667	--	5.51	2.08	--		3.333
Freon-113	ND	0.667	--	ND	5.11	--		3.333
trans-1,2-Dichloroethene	ND	0.667	--	ND	2.64	--		3.333
1,1-Dichloroethane	ND	0.667	--	ND	2.70	--		3.333
Methyl tert butyl ether	ND	0.667	--	ND	2.40	--		3.333
Vinyl acetate	ND	0.667	--	ND	2.35	--		3.333
2-Butanone	18.6	0.667	--	54.8	1.97	--		3.333
cis-1,2-Dichloroethene	ND	0.667	--	ND	2.64	--		3.333

Project Name: EJ1111829.002 **Lab Number:** L1211766
Project Number: EJ1111829.002 **Report Date:** 07/09/12

SAMPLE RESULTS

Lab ID: L1211766-04 D
Client ID: SV-4
Sample Location: BRONX, NY

Date Collected: 06/29/12 14:10
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	1.67	--	ND	6.02	--		3.333
Chloroform	ND	0.667	--	ND	3.26	--		3.333
Tetrahydrofuran	5.07	0.667	--	15.0	1.97	--		3.333
1,2-Dichloroethane	ND	0.667	--	ND	2.70	--		3.333
n-Hexane	11.2	0.667	--	39.5	2.35	--		3.333
1,1,1-Trichloroethane	3.27	0.667	--	17.8	3.64	--		3.333
Benzene	6.46	0.667	--	20.6	2.13	--		3.333
Carbon tetrachloride	ND	0.667	--	ND	4.20	--		3.333
Cyclohexane	2.85	0.667	--	9.81	2.30	--		3.333
1,2-Dichloropropane	ND	0.667	--	ND	3.08	--		3.333
Bromodichloromethane	ND	0.667	--	ND	4.47	--		3.333
1,4-Dioxane	ND	0.667	--	ND	2.40	--		3.333
Trichloroethene	0.740	0.667	--	3.98	3.58	--		3.333
2,2,4-Trimethylpentane	1.62	0.667	--	7.57	3.12	--		3.333
Heptane	11.4	0.667	--	46.7	2.73	--		3.333
cis-1,3-Dichloropropene	ND	0.667	--	ND	3.03	--		3.333
4-Methyl-2-pentanone	0.813	0.667	--	3.33	2.73	--		3.333
trans-1,3-Dichloropropene	ND	0.667	--	ND	3.03	--		3.333
1,1,2-Trichloroethane	ND	0.667	--	ND	3.64	--		3.333
Toluene	42.9	0.667	--	162	2.51	--		3.333
2-Hexanone	ND	0.667	--	ND	2.73	--		3.333
Dibromochloromethane	ND	0.667	--	ND	5.68	--		3.333
1,2-Dibromoethane	ND	0.667	--	ND	5.12	--		3.333
Tetrachloroethene	0.963	0.667	--	6.53	4.52	--		3.333
Chlorobenzene	ND	0.667	--	ND	3.07	--		3.333
Ethylbenzene	11.4	0.667	--	49.5	2.90	--		3.333
p/m-Xylene	39.7	1.33	--	172	5.78	--		3.333
Bromoform	ND	0.667	--	ND	6.90	--		3.333

Project Name: EJ1111829.002 **Lab Number:** L1211766
Project Number: EJ1111829.002 **Report Date:** 07/09/12

SAMPLE RESULTS

Lab ID: L1211766-04 D
Client ID: SV-4
Sample Location: BRONX, NY

Date Collected: 06/29/12 14:10
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Styrene	ND	0.667	--	ND	2.84	--		3.333
1,1,2,2-Tetrachloroethane	ND	0.667	--	ND	4.58	--		3.333
o-Xylene	13.2	0.667	--	57.3	2.90	--		3.333
4-Ethyltoluene	3.30	0.667	--	16.2	3.28	--		3.333
1,3,5-Trimethybenzene	2.98	0.667	--	14.6	3.28	--		3.333
1,2,4-Trimethylbenzene	11.1	0.667	--	54.6	3.28	--		3.333
Benzyl chloride	ND	0.667	--	ND	3.45	--		3.333
1,3-Dichlorobenzene	ND	0.667	--	ND	4.01	--		3.333
1,4-Dichlorobenzene	ND	0.667	--	ND	4.01	--		3.333
1,2-Dichlorobenzene	ND	0.667	--	ND	4.01	--		3.333
1,2,4-Trichlorobenzene	ND	0.667	--	ND	4.95	--		3.333
Hexachlorobutadiene	ND	0.667	--	ND	7.11	--		3.333

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	136		60-140
Bromochloromethane	130		60-140
chlorobenzene-d5	126		60-140

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1211766
Report Date: 07/09/12

SAMPLE RESULTS

Lab ID: L1211766-06 D
Client ID: SV-6
Sample Location: BRONX, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/06/12 09:29
Analyst: RY

Date Collected: 06/30/12 10:46
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	50.4	18.6	--	86.7	32.0	--		37.11
Dichlorodifluoromethane	ND	7.42	--	ND	36.7	--		37.11
Chloromethane	ND	7.42	--	ND	15.3	--		37.11
Freon-114	ND	7.42	--	ND	51.9	--		37.11
Vinyl chloride	ND	7.42	--	ND	19.0	--		37.11
1,3-Butadiene	ND	7.42	--	ND	16.4	--		37.11
Bromomethane	ND	7.42	--	ND	28.8	--		37.11
Chloroethane	ND	7.42	--	ND	19.6	--		37.11
Ethanol	ND	92.8	--	ND	175	--		37.11
Vinyl bromide	ND	7.42	--	ND	32.4	--		37.11
Acetone	84.2	37.1	--	200	88.1	--		37.11
Trichlorofluoromethane	ND	7.42	--	ND	41.7	--		37.11
Isopropanol	ND	18.6	--	ND	45.7	--		37.11
1,1-Dichloroethene	ND	7.42	--	ND	29.4	--		37.11
Methylene chloride	ND	37.1	--	ND	129	--		37.11
3-Chloropropene	ND	7.42	--	ND	23.2	--		37.11
Carbon disulfide	20.5	7.42	--	63.8	23.1	--		37.11
Freon-113	ND	7.42	--	ND	56.9	--		37.11
trans-1,2-Dichloroethene	149	7.42	--	591	29.4	--		37.11
1,1-Dichloroethane	10.7	7.42	--	43.3	30.0	--		37.11
Methyl tert butyl ether	ND	7.42	--	ND	26.8	--		37.11
Vinyl acetate	ND	7.42	--	ND	26.1	--		37.11
2-Butanone	19.5	7.42	--	57.5	21.9	--		37.11
cis-1,2-Dichloroethene	3470	7.42	--	13800	29.4	--		37.11

Project Name: EJ1111829.002 **Lab Number:** L1211766
Project Number: EJ1111829.002 **Report Date:** 07/09/12

SAMPLE RESULTS

Lab ID: L1211766-06 D
Client ID: SV-6
Sample Location: BRONX, NY

Date Collected: 06/30/12 10:46
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	18.6	--	ND	67.0	--		37.11
Chloroform	27.7	7.42	--	135	36.2	--		37.11
Tetrahydrofuran	ND	7.42	--	ND	21.9	--		37.11
1,2-Dichloroethane	ND	7.42	--	ND	30.0	--		37.11
n-Hexane	47.1	7.42	--	166	26.2	--		37.11
1,1,1-Trichloroethane	15.8	7.42	--	86.2	40.5	--		37.11
Benzene	ND	7.42	--	ND	23.7	--		37.11
Carbon tetrachloride	ND	7.42	--	ND	46.7	--		37.11
Cyclohexane	ND	7.42	--	ND	25.5	--		37.11
1,2-Dichloropropane	ND	7.42	--	ND	34.3	--		37.11
Bromodichloromethane	ND	7.42	--	ND	49.7	--		37.11
1,4-Dioxane	ND	7.42	--	ND	26.7	--		37.11
Trichloroethene	2880	7.42	--	15500	39.9	--		37.11
2,2,4-Trimethylpentane	ND	7.42	--	ND	34.6	--		37.11
Heptane	29.2	7.42	--	120	30.4	--		37.11
cis-1,3-Dichloropropene	ND	7.42	--	ND	33.7	--		37.11
4-Methyl-2-pentanone	ND	7.42	--	ND	30.4	--		37.11
trans-1,3-Dichloropropene	ND	7.42	--	ND	33.7	--		37.11
1,1,2-Trichloroethane	ND	7.42	--	ND	40.5	--		37.11
Toluene	25.8	7.42	--	97.2	28.0	--		37.11
2-Hexanone	ND	7.42	--	ND	30.4	--		37.11
Dibromochloromethane	ND	7.42	--	ND	63.2	--		37.11
1,2-Dibromoethane	ND	7.42	--	ND	57.0	--		37.11
Tetrachloroethene	990	7.42	--	6710	50.3	--		37.11
Chlorobenzene	ND	7.42	--	ND	34.2	--		37.11
Ethylbenzene	33.0	7.42	--	143	32.2	--		37.11
p/m-Xylene	104	14.8	--	452	64.3	--		37.11
Bromoform	ND	7.42	--	ND	76.7	--		37.11

Project Name: EJ1111829.002 **Lab Number:** L1211766
Project Number: EJ1111829.002 **Report Date:** 07/09/12

SAMPLE RESULTS

Lab ID: L1211766-06 D
Client ID: SV-6
Sample Location: BRONX, NY

Date Collected: 06/30/12 10:46
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Styrene	ND	7.42	--	ND	31.6	--		37.11
1,1,2,2-Tetrachloroethane	ND	7.42	--	ND	51.0	--		37.11
o-Xylene	34.8	7.42	--	151	32.2	--		37.11
4-Ethyltoluene	ND	7.42	--	ND	36.5	--		37.11
1,3,5-Trimethybenzene	ND	7.42	--	ND	36.5	--		37.11
1,2,4-Trimethylbenzene	ND	7.42	--	ND	36.5	--		37.11
Benzyl chloride	ND	7.42	--	ND	38.4	--		37.11
1,3-Dichlorobenzene	ND	7.42	--	ND	44.6	--		37.11
1,4-Dichlorobenzene	ND	7.42	--	ND	44.6	--		37.11
1,2-Dichlorobenzene	ND	7.42	--	ND	44.6	--		37.11
1,2,4-Trichlorobenzene	ND	7.42	--	ND	55.1	--		37.11
Hexachlorobutadiene	ND	7.42	--	ND	79.1	--		37.11

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	106		60-140
Bromochloromethane	118		60-140
chlorobenzene-d5	117		60-140

Project Name: EJ1111829.002
Project Number: EJ1111829.002
Lab Number: L1211766
Report Date: 07/09/12

SAMPLE RESULTS

Lab ID: L1211766-07 D
Client ID: SV-7
Sample Location: BRONX, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/05/12 21:56
Analyst: RY

Date Collected: 06/30/12 11:35
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	29.2	5.00	--	50.2	8.60	--		10
Dichlorodifluoromethane	ND	2.00	--	ND	9.89	--		10
Chloromethane	ND	2.00	--	ND	4.13	--		10
Freon-114	ND	2.00	--	ND	14.0	--		10
Vinyl chloride	ND	2.00	--	ND	5.11	--		10
1,3-Butadiene	ND	2.00	--	ND	4.42	--		10
Bromomethane	ND	2.00	--	ND	7.77	--		10
Chloroethane	ND	2.00	--	ND	5.28	--		10
Ethanol	ND	25.0	--	ND	47.1	--		10
Vinyl bromide	ND	2.00	--	ND	8.74	--		10
Acetone	51.6	10.0	--	122	23.8	--		10
Trichlorofluoromethane	ND	2.00	--	ND	11.2	--		10
Isopropanol	ND	5.00	--	ND	12.3	--		10
1,1-Dichloroethene	ND	2.00	--	ND	7.93	--		10
Methylene chloride	ND	10.0	--	ND	34.7	--		10
3-Chloropropene	ND	2.00	--	ND	6.26	--		10
Carbon disulfide	ND	2.00	--	ND	6.23	--		10
Freon-113	ND	2.00	--	ND	15.3	--		10
trans-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10
1,1-Dichloroethane	10.7	2.00	--	43.3	8.09	--		10
Methyl tert butyl ether	ND	2.00	--	ND	7.21	--		10
Vinyl acetate	ND	2.00	--	ND	7.04	--		10
2-Butanone	5.57	2.00	--	16.4	5.90	--		10
cis-1,2-Dichloroethene	16.9	2.00	--	67.0	7.93	--		10

Project Name: EJ1111829.002 **Lab Number:** L1211766
Project Number: EJ1111829.002 **Report Date:** 07/09/12

SAMPLE RESULTS

Lab ID: L1211766-07 D
Client ID: SV-7
Sample Location: BRONX, NY

Date Collected: 06/30/12 11:35
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	5.00	--	ND	18.0	--		10
Chloroform	10.8	2.00	--	52.7	9.77	--		10
Tetrahydrofuran	3.71	2.00	--	10.9	5.90	--		10
1,2-Dichloroethane	ND	2.00	--	ND	8.09	--		10
n-Hexane	8.42	2.00	--	29.7	7.05	--		10
1,1,1-Trichloroethane	860	2.00	--	4690	10.9	--		10
Benzene	4.05	2.00	--	12.9	6.39	--		10
Carbon tetrachloride	2.21	2.00	--	13.9	12.6	--		10
Cyclohexane	2.27	2.00	--	7.81	6.88	--		10
1,2-Dichloropropane	ND	2.00	--	ND	9.24	--		10
Bromodichloromethane	ND	2.00	--	ND	13.4	--		10
1,4-Dioxane	ND	2.00	--	ND	7.21	--		10
Trichloroethene	302	2.00	--	1620	10.7	--		10
2,2,4-Trimethylpentane	ND	2.00	--	ND	9.34	--		10
Heptane	8.54	2.00	--	35.0	8.20	--		10
cis-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
4-Methyl-2-pentanone	ND	2.00	--	ND	8.20	--		10
trans-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
1,1,2-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Toluene	79.4	2.00	--	299	7.54	--		10
2-Hexanone	ND	2.00	--	ND	8.20	--		10
Dibromochloromethane	ND	2.00	--	ND	17.0	--		10
1,2-Dibromoethane	ND	2.00	--	ND	15.4	--		10
Tetrachloroethene	378	2.00	--	2560	13.6	--		10
Chlorobenzene	ND	2.00	--	ND	9.21	--		10
Ethylbenzene	43.4	2.00	--	188	8.69	--		10
p/m-Xylene	113	4.00	--	491	17.4	--		10
Bromoform	ND	2.00	--	ND	20.7	--		10

Project Name: EJ1111829.002 **Lab Number:** L1211766
Project Number: EJ1111829.002 **Report Date:** 07/09/12

SAMPLE RESULTS

Lab ID: L1211766-07 D
Client ID: SV-7
Sample Location: BRONX, NY

Date Collected: 06/30/12 11:35
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Styrene	ND	2.00	--	ND	8.52	--		10
1,1,2,2-Tetrachloroethane	ND	2.00	--	ND	13.7	--		10
o-Xylene	18.4	2.00	--	79.9	8.69	--		10
4-Ethyltoluene	2.40	2.00	--	11.8	9.83	--		10
1,3,5-Trimethybenzene	2.42	2.00	--	11.9	9.83	--		10
1,2,4-Trimethylbenzene	8.51	2.00	--	41.8	9.83	--		10
Benzyl chloride	ND	2.00	--	ND	10.4	--		10
1,3-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,4-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2,4-Trichlorobenzene	ND	2.00	--	ND	14.8	--		10
Hexachlorobutadiene	ND	2.00	--	ND	21.3	--		10

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	139		60-140
Bromochloromethane	128		60-140
chlorobenzene-d5	125		60-140

Project Name: EJ1111829.002 **Lab Number:** L1211766

Project Number: EJ1111829.002 **Report Date:** 07/09/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 07/05/12 14:25

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-04,06-07 Batch: WG546567-4								
Propylene	ND	0.500	--	ND	0.860	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: EJ1111829.002 **Lab Number:** L1211766

Project Number: EJ1111829.002 **Report Date:** 07/09/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 07/05/12 14:25

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-04,06-07 Batch: WG546567-4								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: EJ1111829.002 **Lab Number:** L1211766

Project Number: EJ1111829.002 **Report Date:** 07/09/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 07/05/12 14:25

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-04,06-07 Batch: WG546567-4								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
No Tentatively Identified Compounds					

Lab Control Sample Analysis
Batch Quality Control

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1211766
Report Date: 07/09/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04,06-07 Batch: WG546567-3								
Chlorodifluoromethane	87		-		70-130	-		
Propylene	114		-		70-130	-		
Propane	81		-		70-130	-		
Dichlorodifluoromethane	83		-		70-130	-		
Chloromethane	92		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	93		-		70-130	-		
Methanol	89		-		70-130	-		
Vinyl chloride	93		-		70-130	-		
1,3-Butadiene	94		-		70-130	-		
Butane	89		-		70-130	-		
Bromomethane	92		-		70-130	-		
Chloroethane	94		-		70-130	-		
Ethyl Alcohol	94		-		70-130	-		
Dichlorofluoromethane	88		-		70-130	-		
Vinyl bromide	95		-		70-130	-		
Acrolein	88		-		70-130	-		
Acetone	96		-		70-130	-		
Acetonitrile	90		-		70-130	-		
Trichlorofluoromethane	101		-		70-130	-		
iso-Propyl Alcohol	95		-		70-130	-		
Acrylonitrile	92		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1211766
Report Date: 07/09/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04,06-07 Batch: WG546567-3								
Pentane	91		-		70-130	-		
Ethyl ether	90		-		70-130	-		
1,1-Dichloroethene	98		-		70-130	-		
tert-Butyl Alcohol	98		-		70-130	-		
Methylene chloride	95		-		70-130	-		
3-Chloropropene	100		-		70-130	-		
Carbon disulfide	94		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	99		-		70-130	-		
trans-1,2-Dichloroethene	90		-		70-130	-		
1,1-Dichloroethane	100		-		70-130	-		
Methyl tert butyl ether	100		-		70-130	-		
Vinyl acetate	110		-		70-130	-		
2-Butanone	97		-		70-130	-		
cis-1,2-Dichloroethene	108		-		70-130	-		
Ethyl Acetate	93		-		70-130	-		
Chloroform	102		-		70-130	-		
Tetrahydrofuran	81		-		70-130	-		
2,2-Dichloropropane	96		-		70-130	-		
1,2-Dichloroethane	98		-		70-130	-		
n-Hexane	88		-		70-130	-		
Isopropyl Ether	88		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1211766
Report Date: 07/09/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04,06-07 Batch: WG546567-3								
Ethyl-Tert-Butyl-Ether	81		-		70-130	-		
1,1,1-Trichloroethane	97		-		70-130	-		
1,1-Dichloropropene	88		-		70-130	-		
Benzene	88		-		70-130	-		
Carbon tetrachloride	101		-		70-130	-		
Cyclohexane	94		-		70-130	-		
Tertiary-Amyl Methyl Ether	89		-		70-130	-		
Dibromomethane	86		-		70-130	-		
1,2-Dichloropropane	90		-		70-130	-		
Bromodichloromethane	97		-		70-130	-		
1,4-Dioxane	92		-		70-130	-		
Trichloroethene	93		-		70-130	-		
2,2,4-Trimethylpentane	94		-		70-130	-		
Methyl methacrylate	113		-		70-130	-		
Heptane	93		-		70-130	-		
cis-1,3-Dichloropropene	100		-		70-130	-		
4-Methyl-2-pentanone	95		-		70-130	-		
trans-1,3-Dichloropropene	90		-		70-130	-		
1,1,2-Trichloroethane	94		-		70-130	-		
Toluene	88		-		70-130	-		
1,3-Dichloropropane	86		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1211766
Report Date: 07/09/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04,06-07 Batch: WG546567-3								
2-Hexanone	101		-		70-130	-		
Dibromochloromethane	92		-		70-130	-		
1,2-Dibromoethane	92		-		70-130	-		
Butyl Acetate	87		-		70-130	-		
Octane	86		-		70-130	-		
Tetrachloroethene	93		-		70-130	-		
1,1,1,2-Tetrachloroethane	92		-		70-130	-		
Chlorobenzene	92		-		70-130	-		
Ethylbenzene	94		-		70-130	-		
p/m-Xylene	96		-		70-130	-		
Bromoform	94		-		70-130	-		
Styrene	94		-		70-130	-		
1,1,2,2-Tetrachloroethane	98		-		70-130	-		
o-Xylene	99		-		70-130	-		
1,2,3-Trichloropropane	94		-		70-130	-		
Nonane (C9)	94		-		70-130	-		
Isopropylbenzene	95		-		70-130	-		
Bromobenzene	93		-		70-130	-		
o-Chlorotoluene	92		-		70-130	-		
n-Propylbenzene	94		-		70-130	-		
p-Chlorotoluene	94		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1211766
Report Date: 07/09/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04,06-07 Batch: WG546567-3								
4-Ethyltoluene	91		-		70-130	-		
1,3,5-Trimethylbenzene	99		-		70-130	-		
tert-Butylbenzene	96		-		70-130	-		
1,2,4-Trimethylbenzene	102		-		70-130	-		
Decane (C10)	96		-		70-130	-		
Benzyl chloride	107		-		70-130	-		
1,3-Dichlorobenzene	100		-		70-130	-		
1,4-Dichlorobenzene	100		-		70-130	-		
sec-Butylbenzene	96		-		70-130	-		
p-Isopropyltoluene	92		-		70-130	-		
1,2-Dichlorobenzene	100		-		70-130	-		
n-Butylbenzene	102		-		70-130	-		
1,2-Dibromo-3-chloropropane	105		-		70-130	-		
Undecane	102		-		70-130	-		
Dodecane (C12)	105		-		70-130	-		
1,2,4-Trichlorobenzene	101		-		70-130	-		
Naphthalene	99		-		70-130	-		
1,2,3-Trichlorobenzene	94		-		70-130	-		
Hexachlorobutadiene	97		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1211766
Report Date: 07/09/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04,06-07 QC Batch ID: WG546567-5 QC Sample: L1211766-06 Client ID: SV-6						
Propylene	50.4	41.9	ppbV	18		25
Dichlorodifluoromethane	ND	ND	ppbV	NC		25
Chloromethane	ND	ND	ppbV	NC		25
Freon-114	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	ND	ND	ppbV	NC		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	84.2	111	ppbV	**27**	Q	25
Trichlorofluoromethane	ND	ND	ppbV	NC		25
Isopropanol	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	20.5	20.5	ppbV	0		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	149	179	ppbV	18		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1211766
Report Date: 07/09/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04,06-07 QC Batch ID: WG546567-5 QC Sample: L1211766-06 Client ID: SV-6					
1,1-Dichloroethane	10.7	12.7	ppbV	17	25
Methyl tert butyl ether	ND	ND	ppbV	NC	25
Vinyl acetate	ND	ND	ppbV	NC	25
2-Butanone	19.5	23.5	ppbV	19	25
cis-1,2-Dichloroethene	3470	4200	ppbV	19	25
Ethyl Acetate	ND	ND	ppbV	NC	25
Chloroform	27.7	35.6	ppbV	25	25
Tetrahydrofuran	ND	ND	ppbV	NC	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	47.1	53.6	ppbV	13	25
1,1,1-Trichloroethane	15.8	18.7	ppbV	17	25
Benzene	ND	ND	ppbV	NC	25
Carbon tetrachloride	ND	ND	ppbV	NC	25
Cyclohexane	ND	ND	ppbV	NC	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
1,4-Dioxane	ND	ND	ppbV	NC	25
Trichloroethene	2880	3300	ppbV	14	25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1211766
Report Date: 07/09/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04,06-07 QC Batch ID: WG546567-5 QC Sample: L1211766-06 Client ID: SV-6					
Heptane	29.2	33.9	ppbV	15	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	25.8	31.2	ppbV	19	25
2-Hexanone	ND	ND	ppbV	NC	25
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Tetrachloroethene	990	1250	ppbV	23	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	33.0	41.7	ppbV	23	25
p/m-Xylene	104	128	ppbV	21	25
Bromoform	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	34.8	43.8	ppbV	23	25
4-Ethyltoluene	ND	ND	ppbV	NC	25
1,3,5-Trimethybenzene	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1211766
Report Date: 07/09/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04,06-07 QC Batch ID: WG546567-5 QC Sample: L1211766-06 Client ID: SV-6					
1,2,4-Trimethylbenzene	ND	8.54	ppbV	NC	25
Benzyl chloride	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25

Project Name: EJ1111829.002

Project Number: EJ1111829.002

Lab Number: L1211766

Report Date: 07/09/12

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1211766-01	SV-1	0059	#90 SV	06/27/12	78977		-	-	-	-	39	44	12
L1211766-01	SV-1	692	6.0L Can	06/27/12	78977	L1210897-01	Pass	-28.4	-0.8	-	-	-	-
L1211766-02	SV-2	0030	#90 SV	06/27/12	78977		-	-	-	-	37	38	3
L1211766-02	SV-2	1534	6.0L Can	06/27/12	78977	L1210897-01	Pass	-28.1	-7.7	-	-	-	-
L1211766-03	SV-3	0007	#90 SV	06/27/12	78977		-	-	-	Pass	38	38	0
L1211766-03	SV-3	990	6.0L Can	06/27/12	78977	L1210897-01	Pass	-28.9	-8.8	-	-	-	-
L1211766-04	SV-4	0142	#90 SV	06/27/12	78977		-	-	-	Pass	36	37	3
L1211766-04	SV-4	1669	6.0L Can	06/27/12	78977	L1210897-01	Pass	-28.2	-7.2	-	-	-	-
L1211766-05	SV-5	0309	#30 SV	06/27/12	78977		-	-	-	Pass	35	33	6
L1211766-05	SV-5	761	6.0L Can	06/27/12	78977	L1210897-01	Pass	-28.4	-27.3	-	-	-	-
L1211766-06	SV-6	0068	#90 SV	06/27/12	78977		-	-	-	-	40	38	5
L1211766-06	SV-6	642	6.0L Can	06/27/12	78977	L1210897-01	Pass	-28.7	-7.7	-	-	-	-
L1211766-07	SV-7	0364	#90 SV	06/27/12	78977		-	-	-	-	36	36	0
L1211766-07	SV-7	1630	6.0L Can	06/27/12	78977	L1210897-01	Pass	-28.7	-11.1	-	-	-	-
L1211766-08	SV-8	0394	#90 SV	06/27/12	78977		-	-	-	Pass	36	27	29

Project Name: EJ1111829.002

Lab Number: L1211766

Project Number: EJ1111829.002

Report Date: 07/09/12

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1211766-08	SV-8	1790	6.0L Can	06/27/12	78977	L1210897-01	Pass	-28.9	-28.1	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1210897

Project Number: CANISTER QC BAT **Report Date:** 07/09/12

Air Canister Certification Results

Lab ID:	L1210897-01	Date Collected:	06/15/12 11:00
Client ID:	CAN 1535 SHELF 38	Date Received:	06/16/12
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15		
Analytical Date:	06/19/12 21:53		
Analyst:	MB		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.860	--		1
Propane	ND	0.200	--	ND	0.361	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1210897

Project Number: CANISTER QC BAT **Report Date:** 07/09/12

Air Canister Certification Results

Lab ID: L1210897-01 Date Collected: 06/15/12 11:00

Client ID: CAN 1535 SHELF 38 Date Received: 06/16/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1210897

Project Number: CANISTER QC BAT **Report Date:** 07/09/12

Air Canister Certification Results

Lab ID: L1210897-01 Date Collected: 06/15/12 11:00

Client ID: CAN 1535 SHELF 38 Date Received: 06/16/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.20	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1210897

Project Number: CANISTER QC BAT **Report Date:** 07/09/12

Air Canister Certification Results

Lab ID: L1210897-01 Date Collected: 06/15/12 11:00

Client ID: CAN 1535 SHELF 38 Date Received: 06/16/12

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	**Qualifier**	**Units**	**RDL**	**Dilution Factor**
Tentatively Identified Compounds					
No Tentatively Identified Compounds					

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1210897

Project Number: CANISTER QC BAT **Report Date:** 07/09/12

Air Canister Certification Results

Lab ID: L1210897-01 Date Collected: 06/15/12 11:00

Client ID: CAN 1535 SHELF 38 Date Received: 06/16/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	67		60-140
Bromochloromethane	82		60-140
chlorobenzene-d5	80		60-140

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1211766
Report Date: 07/09/12

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**

Cooler	
N/A	Present/Intact

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1211766-01A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-LL(30)
L1211766-02A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-LL(30)
L1211766-03A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-LL(30)
L1211766-04A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-LL(30)
L1211766-05A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	CANCELLED()
L1211766-06A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-LL(30)
L1211766-07A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-LL(30)
L1211766-08A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	CANCELLED()

*Values in parentheses indicate holding time in days

Project Name:	EJ1111829.002	**Lab Number:**	L1211766
Project Number:	EJ1111829.002	**Report Date:**	07/09/12

GLOSSARY

Acronyms

EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
M	- Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
NJ	- Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: Data Usability Report

Project Name:	EJ1111829.002	**Lab Number:**	L1211766
Project Number:	EJ1111829.002	**Report Date:**	07/09/12

Data Qualifiers

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised May 10, 2012 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable). Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Titanium, Vanadium, Zinc, Total Organic Carbon, Corrosivity, TCLP 1311, SPLP 1312. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, SM2540G.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 180.1, 245.7, 1631E, 3020A, 6020A, 7470A, 9040, 9050A, SM2320B, 2540D, 2540G, 4500H-B, Organic Parameters: EPA 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 5030B, 8015D, 3570, 8081B, 8082A, 8260B, 8270C, 8270D.)

Solid & Chemical Materials (Inorganic Parameters: EPA 1311, 3050B, 3051A, 3060A, 6020A, 7196A, 7470A, 7471B, 7474, 9040B, 9045C, 9060. Organic Parameters: EPA 3540C, 3570, 3580A, 3630C, 3640A, 3660, 3665A, 5035, 8015D, 8081B, 8082A, 8260B, 8270C, 8270D.)

Biological Tissue (Inorganic Parameters: EPA 6020A. Organic Parameters: EPA 3570, 3510C, 3610B, 3630C, 3640A, 8270C, 8270D.)

Air & Emissions (EPA TO-15.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 180.1,1631E, 6020A, 7470A, 9040B, 9050A, SM2540D, 2540G, 4500H+B, 2320B. Organic Parameters: EPA 8081B, 8082A, 8270C, 8270D, 8015D.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 3050B, 3051A, 3060A, 6020A, 7470A, 7471B, 9040B, 9045C, 7196A. Organic Parameters: SW-846 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 8270C, 8015D, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3020A, SM2320B, SM2540D, 2540G, 4500H-B, EPA 180.1, 1631E, SW-846 7470A, 9040B, 9040C, 6020A, 9050A. Organic Parameters: SW-846 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 8015D, 8081B, 8082A, 8270C, 8270D)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 1312, 3050B, 3051A, 6020A, 7471B, 7474, 9040B, 9040C, 9045C, 9060. Organic Parameters: SW-846 3540C, 3570, 3580A, 3630C, 3640A, 3660B, 3665A, 8081B, 8082A, 8270C, 8270D, 8015D.)

Atmospheric Organic Parameters (EPA 3C, TO-15)

Biological Tissue (Inorganic Parameters: SW-846 6020A. Organic Parameters: SW-846 8270C, 8270D, 3510C, 3570, 3610C, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, 6020A, 1631E, 245.7, 7470A, 9050A, EPA 180.1, 3020A. Organic Parameters: EPA 8270C, 8270D, 8081B, 8082A, 3510C.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020A, 7471B, 7474. Organic Parameters: EPA 8270C, 8270D, 8081B, 8082A, 1311, 3050B, 3580A, 3570, 3051A.)

Air & Emissions (EPA TO-15.)

Pennsylvania Certificate/Lab ID: 68-02089 ***NELAP Accredited***

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020A,7471B, 7474. Organic Parameters: EPA3050B, 3540C, 3630C, 8270C, 8081B, 8015D, 8082A.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. ***NELAP Accredited via LA-DEQ.***

Refer to NJ-DEP Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. ***NELAP Accredited.***

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 7196, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8081, 8082.)

Air (Organic Parameters: EPA TO-15)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID:460194. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters:EPA 3020A, 6020A, 245.7, 9040B, SM4500H-B. Organic Parameters: EPA 3510C, 3640A, 3660B, 3665A, 8270C, 8270D, 8082A, 8081B.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020A,7470A,7471B,9040B,9045C,3050B,3051, 9060. Organic Parameters: EPA 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 3570, 8270C, 8270D, 8081B, 8082A, 8015D.)

Washington State Department of Ecology Certificate/Lab ID: C954. *Non-Potable Water* (Inorganic Parameters: SM2540D, 180.1, 1631E.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 7474, 9045C, 9050A, 9060. Organic Parameters: EPA 8081, 8082, 8015 Mod, 8270.)

U.S. Army Corps of Engineers

Department of Defense, L-A-B Certificate/Lab ID: L2217.01.

Non-Potable Water (Inorganic Parameters: EPA 6020A, SM4500H-B. Organic Parameters: 3020A, 3510C, 8270C, 8270D, 8270C-ALK-PAH, 8270D-ALK-PAH, 8082A, 8081B, 8015D-SHC, 8015D.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 3050B, 6020A, 7471A, 9045C, 9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580A, 3570, 3540C, 8270C, 8270D, 8270C-ALK-PAH, 8270D-ALK-PAH 8082A, 8081B, 8015D-SHC, 8015D.

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP
Certification is not available by NELAP for the following analytes: **8270C:** Biphenyl. **TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 2-Methylnaphthalene, 1-Methylnaphthalene.

Serial_No:07091214:27

Alpha Analytical
320 Forbes Blvd
Mansfield, MA 02048-1806
Tel: 508-822-9300
Fax: 508-822-3288

AIR Chain-of-Custody - NJ

Date Rec'd in Lab

ALPHA Job# L1211760

1 of 2 COCs

Client Contact Information

Company: Whitestone Associates, Inc.
Address: 35 Technology Drive
City/State/Zip Warren, NJ 07059
Phone: 908-669-7777
FAX:
Email: pbeesley@whitestoneassoc.com

Project Information

Project Name: EJ1111829.002
Site/Location: Bronx, NY
Project Manager: C. Seib
Site Contact: Patrick Beesley
Phone: 908-285-2489

Analysis Turn-Around Time

Standard (Specify) 2 week
Rush (Specify)

Carrier:
Samplers Name(s) Patrick Beesley

Report Information - Data Deliverables:

☐ FAX:
☒ ADEx ☐ Criteria Checker:
☒ EMail (standard pdf report)

Billing Information

☐ Same as Client Info PO #:

ALPHA LAB ID (Lab Use Only)	Sample Identification	Sample Date(s)	Time Start (24 hr clock)	Time Stop (24 hr clock)	Canister Pressure in Field ("Hg) (Start)	Canister Pressure in Field ("Hg) (Stop)	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Outgoing Canister Pressure ("Hg) (Lab)	Incoming Canister Pressure ("Hg) (Lab)	Flow Reg. ID	Can ID	Can Size (L)	Flow Controller Readout (ml/min)	Can Cert ID	TO-15	EPA 3C						Indoor /Ambient Air	Soil Gas		
L1211760-01	SV-1	6/28/12	1020	1222	-29.57	-4.89	76	78			0059	692	6	39		X									X		
-02	SV-2	6/28/12	1050	1250	-28.70	-7.70	76	79			0030	1534	6	37		X									X		
-03	SV-3	6/28/12	1140	1345	-29.85	-8.27	84	84			0007	990	6	38		X									X		
-04	SV-4	6/28/12	1205	1410	-29.46	-6.24	85	85			0142	1669	6	36		X									X		
-05	SV-5	6/28/12	1240	1450	-29.36	-9.24	90	91			0309	761	6	35		X									X		
-06	SV-6	6/28/12	845	1046	-29.81	-6.17	78	85			0068	642	6	40		X									X		

Temperature (Fahrenheit)

	Ambient	Maximum	Minimum	
Start				
Stop				

GC/MS Analyst Signature (TO-15)

Pressure (inches of Hg)

	Ambient	Maximum	Minimum	
Start				
Stop				

Special Instructions/QC Requirements & Comments:

Canisters Shipped by:	Date/Time:	Canisters Received by:	Date/Time:
Samples Relinquished by:	Date/Time: 6/29/12 1500	Received by:	Date/Time: 6/29/12 1500
Relinquished by:	Date/Time: 6/29/12 1700	Received by:	Date/Time: 6/29/12 1700
	6/29/12 2250		6/29/12 2250
	6/30/12 0600		7/2/12 10:10

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until all ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

Form: 101-06 April 20, 2009

Alpha Analytical
320 Forbes Blvd
Mansfield, MA 02048-1806
Tel: 508-822-9300
Fax: 508-822-3288

AIR Chain-of-Custody - NJ

Serial_No:07091214:27

Date Rec'd in Lab | **ALPHA Job#** L1211766

Client Contact Information

Company: Whitestone Associates, Inc
Address: 35 Technology Drive
City/State/Zip Warren, NJ 07059
Phone: 908-668-7777
FAX:
Email: pbeesley@whitestoneassoc.com

Project Information

Project Name: EJ1111829.002
Site/Location: Bronx, NY
Project Manager: C. Seib
Site Contact: Patrick Beesley
Phone: 908-285-2489

Analysis Turn-Around Time

Standard (Specify) 2 week
Rush (Specify)

Carrier:
Samplers Name(s) Patrick Beesley

2 of 2 COCs

Report Information - Data Deliverables:

☐ FAX:
☒ ADEx ☐ Criteria Checker:
☒ EMail (standard pdf report)

Billing Information

☐ Same as Client Info PO #:

ALPHA LAB ID (Lab Use Only)	Sample Identification	Sample Date(s)	Time Start (24 hr clock)	Time Stop (24 hr clock)	Canister Pressure in Field ("Hg) (Start)	Canister Pressure in Field ("Hg) (Stop)	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Outgoing Canister Pressure ("Hg) (Lab)	Incoming Canister Pressure ("Hg) (Lab)	Flow Reg. ID	Can ID	Can Size (L)	Flow Controller Readout (ml/min)	Can Cert ID	TO-15	EPA 3C						Indoor /Ambient Air	Soil Gas		
L1211766-07	SV-7	6/29/12	930	1135	-29.66	-9.81					0364	1630	6	36		X									X		
-08	SV-8	6/29/12	945	1147	-29.88	-8.18					0394	1746	6	36		X									X		

Temperature (Fahrenheit)	Ambient	Maximum	Minimum	
Start				
Stop				

Pressure (inches of Hg)	Ambient	Maximum	Minimum	
Start				
Stop				

GC/MS Analyst Signature (TO-15)

Special Instructions/QC Requirements & Comments:

Canisters Shipped by:	Date/Time:	Canisters Received by:	Date/Time:
Samples Relinquished by:	Date/Time: 6/29/12 1500	Received by: Lou Lugo	Date/Time: 6/26/12 1500
Relinquished by: Lou Lugo	Date/Time: 6/29/12 1700	Received by:	Date/Time: 6/29/12 1700
	6/29/12 2350		6/29/12 2350
	6/30/12 0900		7/2/12 505

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until all ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

rec'd S Hoffman 7/2/12 10:10

Form: 101-06 April 20, 2009

ANALYTICAL REPORT

Lab Number:	L1212068
Client:	Whitestone Associates, Inc. 35 Technology Drive Warren, NJ 07059
ATTN:	Patrick Beesley
Phone:	(908) 668-7777
Project Name:	EJ1111829.002
Project Number:	EJ1111829.002
Report Date:	07/12/12

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), PA (68-02089), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), DOD (L2217.01), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1212068
Report Date: 07/12/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1212068-01	SV-5	BRONX, NY	07/06/12 11:10
L1212068-02	SV-8	BRONX, NY	07/06/12 11:20

Project Name: EJ1111829.002 **Lab Number:** L1212068
Project Number: EJ1111829.002 **Report Date:** 07/12/12

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: EJ1111829.002 **Lab Number:** L1212068
Project Number: EJ1111829.002 **Report Date:** 07/12/12

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on July 6, 2012. The canister certification results are provided as an addendum.

L1212068-02 The RPD of the pre- and post-flow controller calibration check (51% RPD) was outside acceptable limits (20% RPD). The initial flow rate for the flow controller was17.8 mL/minute; the final flow rate was 30 mL/minute. The final pressure recorded by the laboratory of the associated canister was -2.3 inches of mercury.

L1212068-01 and WG547173-5 Duplicate have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

L1212068-01, -02 and WG547173-5 Duplicate results for Propylene should be considered estimated due to co-elution with a non-target peak.

L1212068-02 has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 07/12/12

AIR

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1212068
Report Date: 07/12/12

SAMPLE RESULTS

Lab ID: L1212068-01 D
Client ID: SV-5
Sample Location: BRONX, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/09/12 23:55
Analyst: MB

Date Collected: 07/06/12 11:10
Date Received: 07/06/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	9.21	1.67	--	15.8	2.87	--		3.333
Dichlorodifluoromethane	0.926	0.667	--	4.58	3.30	--		3.333
Chloromethane	ND	0.667	--	ND	1.38	--		3.333
Freon-114	ND	0.667	--	ND	4.66	--		3.333
Vinyl chloride	ND	0.667	--	ND	1.70	--		3.333
1,3-Butadiene	ND	0.667	--	ND	1.48	--		3.333
Bromomethane	ND	0.667	--	ND	2.59	--		3.333
Chloroethane	ND	0.667	--	ND	1.76	--		3.333
Ethanol	13.7	8.33	--	25.8	15.7	--		3.333
Vinyl bromide	ND	0.667	--	ND	2.92	--		3.333
Acetone	186	3.33	--	442	7.91	--		3.333
Trichlorofluoromethane	1.12	0.667	--	6.29	3.75	--		3.333
Isopropanol	ND	1.67	--	ND	4.10	--		3.333
1,1-Dichloroethene	ND	0.667	--	ND	2.64	--		3.333
Methylene chloride	ND	3.33	--	ND	11.6	--		3.333
3-Chloropropene	ND	0.667	--	ND	2.09	--		3.333
Carbon disulfide	ND	0.667	--	ND	2.08	--		3.333
Freon-113	ND	0.667	--	ND	5.11	--		3.333
trans-1,2-Dichloroethene	ND	0.667	--	ND	2.64	--		3.333
1,1-Dichloroethane	ND	0.667	--	ND	2.70	--		3.333
Methyl tert butyl ether	ND	0.667	--	ND	2.40	--		3.333
Vinyl acetate	ND	0.667	--	ND	2.35	--		3.333
2-Butanone	9.35	0.667	--	27.6	1.97	--		3.333
cis-1,2-Dichloroethene	0.803	0.667	--	3.18	2.64	--		3.333

Project Name: EJ1111829.002 **Lab Number:** L1212068
Project Number: EJ1111829.002 **Report Date:** 07/12/12

SAMPLE RESULTS

Lab ID: L1212068-01 D
Client ID: SV-5
Sample Location: BRONX, NY

Date Collected: 07/06/12 11:10
Date Received: 07/06/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	1.67	--	ND	6.02	--		3.333
Chloroform	5.13	0.667	--	25.0	3.26	--		3.333
Tetrahydrofuran	12.8	0.667	--	37.8	1.97	--		3.333
1,2-Dichloroethane	ND	0.667	--	ND	2.70	--		3.333
n-Hexane	9.23	0.667	--	32.5	2.35	--		3.333
1,1,1-Trichloroethane	0.990	0.667	--	5.40	3.64	--		3.333
Benzene	3.05	0.667	--	9.74	2.13	--		3.333
Carbon tetrachloride	ND	0.667	--	ND	4.20	--		3.333
Cyclohexane	2.99	0.667	--	10.3	2.30	--		3.333
1,2-Dichloropropane	ND	0.667	--	ND	3.08	--		3.333
Bromodichloromethane	ND	0.667	--	ND	4.47	--		3.333
1,4-Dioxane	ND	0.667	--	ND	2.40	--		3.333
Trichloroethene	75.7	0.667	--	407	3.58	--		3.333
2,2,4-Trimethylpentane	2.88	0.667	--	13.4	3.12	--		3.333
Heptane	5.43	0.667	--	22.2	2.73	--		3.333
cis-1,3-Dichloropropene	ND	0.667	--	ND	3.03	--		3.333
4-Methyl-2-pentanone	11.0	0.667	--	45.1	2.73	--		3.333
trans-1,3-Dichloropropene	ND	0.667	--	ND	3.03	--		3.333
1,1,2-Trichloroethane	ND	0.667	--	ND	3.64	--		3.333
Toluene	13.1	0.667	--	49.4	2.51	--		3.333
2-Hexanone	ND	0.667	--	ND	2.73	--		3.333
Dibromochloromethane	ND	0.667	--	ND	5.68	--		3.333
1,2-Dibromoethane	ND	0.667	--	ND	5.12	--		3.333
Tetrachloroethene	2.74	0.667	--	18.6	4.52	--		3.333
Chlorobenzene	ND	0.667	--	ND	3.07	--		3.333
Ethylbenzene	3.20	0.667	--	13.9	2.90	--		3.333
p/m-Xylene	10.1	1.33	--	43.9	5.78	--		3.333
Bromoform	ND	0.667	--	ND	6.90	--		3.333

Project Name: EJ1111829.002 **Lab Number:** L1212068
Project Number: EJ1111829.002 **Report Date:** 07/12/12

SAMPLE RESULTS

Lab ID: L1212068-01 D
Client ID: SV-5
Sample Location: BRONX, NY

Date Collected: 07/06/12 11:10
Date Received: 07/06/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Styrene	ND	0.667	--	ND	2.84	--		3.333
1,1,2,2-Tetrachloroethane	ND	0.667	--	ND	4.58	--		3.333
o-Xylene	4.06	0.667	--	17.6	2.90	--		3.333
4-Ethyltoluene	0.743	0.667	--	3.65	3.28	--		3.333
1,3,5-Trimethybenzene	0.923	0.667	--	4.54	3.28	--		3.333
1,2,4-Trimethylbenzene	2.65	0.667	--	13.0	3.28	--		3.333
Benzyl chloride	ND	0.667	--	ND	3.45	--		3.333
1,3-Dichlorobenzene	ND	0.667	--	ND	4.01	--		3.333
1,4-Dichlorobenzene	ND	0.667	--	ND	4.01	--		3.333
1,2-Dichlorobenzene	ND	0.667	--	ND	4.01	--		3.333
1,2,4-Trichlorobenzene	ND	0.667	--	ND	4.95	--		3.333
Hexachlorobutadiene	ND	0.667	--	ND	7.11	--		3.333

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	115		60-140
chlorobenzene-d5	97		60-140

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1212068
Report Date: 07/12/12

SAMPLE RESULTS

Lab ID: L1212068-02
Client ID: SV-8
Sample Location: BRONX, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/10/12 01:01
Analyst: MB

Date Collected: 07/06/12 11:20
Date Received: 07/06/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	17.6	1.67	--	30.3	2.87	--		3.333
Dichlorodifluoromethane	0.690	0.667	--	3.41	3.30	--		3.333
Chloromethane	ND	0.667	--	ND	1.38	--		3.333
Freon-114	ND	0.667	--	ND	4.66	--		3.333
Vinyl chloride	ND	0.667	--	ND	1.70	--		3.333
1,3-Butadiene	1.37	0.667	--	3.03	1.48	--		3.333
Bromomethane	ND	0.667	--	ND	2.59	--		3.333
Chloroethane	ND	0.667	--	ND	1.76	--		3.333
Ethanol	ND	8.33	--	ND	15.7	--		3.333
Vinyl bromide	ND	0.667	--	ND	2.92	--		3.333
Acetone	77.8	3.33	--	185	7.91	--		3.333
Trichlorofluoromethane	ND	0.667	--	ND	3.75	--		3.333
Isopropanol	ND	1.67	--	ND	4.10	--		3.333
1,1-Dichloroethene	ND	0.667	--	ND	2.64	--		3.333
Methylene chloride	ND	3.33	--	ND	11.6	--		3.333
3-Chloropropene	ND	0.667	--	ND	2.09	--		3.333
Carbon disulfide	1.73	0.667	--	5.39	2.08	--		3.333
Freon-113	ND	0.667	--	ND	5.11	--		3.333
trans-1,2-Dichloroethene	ND	0.667	--	ND	2.64	--		3.333
1,1-Dichloroethane	ND	0.667	--	ND	2.70	--		3.333
Methyl tert butyl ether	ND	0.667	--	ND	2.40	--		3.333
Vinyl acetate	ND	0.667	--	ND	2.35	--		3.333
2-Butanone	5.09	0.667	--	15.0	1.97	--		3.333
cis-1,2-Dichloroethene	0.700	0.667	--	2.78	2.64	--		3.333

Project Name: EJ1111829.002 **Lab Number:** L1212068
Project Number: EJ1111829.002 **Report Date:** 07/12/12

SAMPLE RESULTS

Lab ID: L1212068-02 Date Collected: 07/06/12 11:20
Client ID: SV-8 Date Received: 07/06/12
Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	1.67	--	ND	6.02	--		3.333
Chloroform	4.33	0.667	--	21.1	3.26	--		3.333
Tetrahydrofuran	5.06	0.667	--	14.9	1.97	--		3.333
1,2-Dichloroethane	ND	0.667	--	ND	2.70	--		3.333
n-Hexane	5.29	0.667	--	18.6	2.35	--		3.333
1,1,1-Trichloroethane	ND	0.667	--	ND	3.64	--		3.333
Benzene	2.70	0.667	--	8.62	2.13	--		3.333
Carbon tetrachloride	ND	0.667	--	ND	4.20	--		3.333
Cyclohexane	2.39	0.667	--	8.23	2.30	--		3.333
1,2-Dichloropropane	ND	0.667	--	ND	3.08	--		3.333
Bromodichloromethane	ND	0.667	--	ND	4.47	--		3.333
1,4-Dioxane	ND	0.667	--	ND	2.40	--		3.333
Trichloroethene	12.6	0.667	--	67.7	3.58	--		3.333
2,2,4-Trimethylpentane	3.48	0.667	--	16.2	3.12	--		3.333
Heptane	2.70	0.667	--	11.1	2.73	--		3.333
cis-1,3-Dichloropropene	ND	0.667	--	ND	3.03	--		3.333
4-Methyl-2-pentanone	ND	0.667	--	ND	2.73	--		3.333
trans-1,3-Dichloropropene	ND	0.667	--	ND	3.03	--		3.333
1,1,2-Trichloroethane	ND	0.667	--	ND	3.64	--		3.333
Toluene	9.03	0.667	--	34.0	2.51	--		3.333
2-Hexanone	ND	0.667	--	ND	2.73	--		3.333
Dibromochloromethane	ND	0.667	--	ND	5.68	--		3.333
1,2-Dibromoethane	ND	0.667	--	ND	5.12	--		3.333
Tetrachloroethene	ND	0.667	--	ND	4.52	--		3.333
Chlorobenzene	ND	0.667	--	ND	3.07	--		3.333
Ethylbenzene	21.6	0.667	--	93.8	2.90	--		3.333
p/m-Xylene	54.3	1.33	--	236	5.78	--		3.333
Bromoform	ND	0.667	--	ND	6.90	--		3.333

Project Name: EJ1111829.002 **Lab Number:** L1212068
Project Number: EJ1111829.002 **Report Date:** 07/12/12

SAMPLE RESULTS

Lab ID: L1212068-02 Date Collected: 07/06/12 11:20
Client ID: SV-8 Date Received: 07/06/12
Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Styrene	ND	0.667	--	ND	2.84	--		3.333
1,1,2,2-Tetrachloroethane	ND	0.667	--	ND	4.58	--		3.333
o-Xylene	5.71	0.667	--	24.8	2.90	--		3.333
4-Ethyltoluene	0.800	0.667	--	3.93	3.28	--		3.333
1,3,5-Trimethybenzene	0.880	0.667	--	4.33	3.28	--		3.333
1,2,4-Trimethylbenzene	2.77	0.667	--	13.6	3.28	--		3.333
Benzyl chloride	ND	0.667	--	ND	3.45	--		3.333
1,3-Dichlorobenzene	ND	0.667	--	ND	4.01	--		3.333
1,4-Dichlorobenzene	ND	0.667	--	ND	4.01	--		3.333
1,2-Dichlorobenzene	ND	0.667	--	ND	4.01	--		3.333
1,2,4-Trichlorobenzene	ND	0.667	--	ND	4.95	--		3.333
Hexachlorobutadiene	ND	0.667	--	ND	7.11	--		3.333

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	113		60-140
Bromochloromethane	130		60-140
chlorobenzene-d5	124		60-140

Project Name: EJ1111829.002 **Lab Number:** L1212068

Project Number: EJ1111829.002 **Report Date:** 07/12/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 07/09/12 13:15

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG547173-4								
Propylene	ND	0.500	--	ND	0.860	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: EJ1111829.002 **Lab Number:** L1212068

Project Number: EJ1111829.002 **Report Date:** 07/12/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 07/09/12 13:15

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG547173-4								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: EJ1111829.002 **Lab Number:** L1212068

Project Number: EJ1111829.002 **Report Date:** 07/12/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 07/09/12 13:15

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG547173-4								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1212068
Report Date: 07/12/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG547173-3								
Propylene	114		-		70-130	-		
Dichlorodifluoromethane	80		-		70-130	-		
Chloromethane	89		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	94		-		70-130	-		
Vinyl chloride	92		-		70-130	-		
1,3-Butadiene	95		-		70-130	-		
Bromomethane	92		-		70-130	-		
Chloroethane	93		-		70-130	-		
Ethyl Alcohol	93		-		70-130	-		
Vinyl bromide	95		-		70-130	-		
Acetone	96		-		70-130	-		
Trichlorofluoromethane	102		-		70-130	-		
iso-Propyl Alcohol	94		-		70-130	-		
1,1-Dichloroethene	98		-		70-130	-		
Methylene chloride	94		-		70-130	-		
3-Chloropropene	98		-		70-130	-		
Carbon disulfide	94		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	100		-		70-130	-		
trans-1,2-Dichloroethene	91		-		70-130	-		
1,1-Dichloroethane	100		-		70-130	-		
Methyl tert butyl ether	100		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1212068
Report Date: 07/12/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG547173-3								
Vinyl acetate	110		-		70-130	-		
2-Butanone	97		-		70-130	-		
cis-1,2-Dichloroethene	109		-		70-130	-		
Ethyl Acetate	91		-		70-130	-		
Chloroform	104		-		70-130	-		
Tetrahydrofuran	82		-		70-130	-		
1,2-Dichloroethane	103		-		70-130	-		
n-Hexane	89		-		70-130	-		
1,1,1-Trichloroethane	99		-		70-130	-		
Benzene	89		-		70-130	-		
Carbon tetrachloride	104		-		70-130	-		
Cyclohexane	95		-		70-130	-		
1,2-Dichloropropane	90		-		70-130	-		
Bromodichloromethane	97		-		70-130	-		
1,4-Dioxane	91		-		70-130	-		
Trichloroethene	95		-		70-130	-		
2,2,4-Trimethylpentane	95		-		70-130	-		
Heptane	94		-		70-130	-		
cis-1,3-Dichloropropene	102		-		70-130	-		
4-Methyl-2-pentanone	96		-		70-130	-		
trans-1,3-Dichloropropene	93		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1212068
Report Date: 07/12/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG547173-3								
1,1,2-Trichloroethane	95		-		70-130	-		
Toluene	87		-		70-130	-		
2-Hexanone	98		-		70-130	-		
Dibromochloromethane	92		-		70-130	-		
1,2-Dibromoethane	92		-		70-130	-		
Tetrachloroethene	93		-		70-130	-		
Chlorobenzene	92		-		70-130	-		
Ethylbenzene	93		-		70-130	-		
p/m-Xylene	96		-		70-130	-		
Bromoform	93		-		70-130	-		
Styrene	94		-		70-130	-		
1,1,2,2-Tetrachloroethane	96		-		70-130	-		
o-Xylene	98		-		70-130	-		
4-Ethyltoluene	92		-		70-130	-		
1,3,5-Trimethylbenzene	99		-		70-130	-		
1,2,4-Trimethylbenzene	101		-		70-130	-		
Benzyl chloride	108		-		70-130	-		
1,3-Dichlorobenzene	100		-		70-130	-		
1,4-Dichlorobenzene	100		-		70-130	-		
1,2-Dichlorobenzene	99		-		70-130	-		
1,2,4-Trichlorobenzene	100		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: EJ1111829.002

Project Number: EJ1111829.002

Lab Number: L1212068

Report Date: 07/12/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG547173-3								
Hexachlorobutadiene	96		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1212068
Report Date: 07/12/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG547173-5 QC Sample: L1212068-01 Client ID: SV-5						
Propylene	9.21	10.5	ppbV	13		25
Dichlorodifluoromethane	0.926	0.986	ppbV	6		25
Chloromethane	ND	ND	ppbV	NC		25
Freon-114	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	13.7	14.5	ppbV	6		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	186	190	ppbV	2		25
Trichlorofluoromethane	1.12	1.18	ppbV	5		25
Isopropanol	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1212068
Report Date: 07/12/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG547173-5 QC Sample: L1212068-01 Client ID: SV-5					
1,1-Dichloroethane	ND	ND	ppbV	NC	25
Methyl tert butyl ether	ND	ND	ppbV	NC	25
Vinyl acetate	ND	ND	ppbV	NC	25
2-Butanone	9.35	9.57	ppbV	2	25
cis-1,2-Dichloroethene	0.803	0.820	ppbV	2	25
Ethyl Acetate	ND	ND	ppbV	NC	25
Chloroform	5.13	5.12	ppbV	0	25
Tetrahydrofuran	12.8	12.6	ppbV	2	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	9.23	9.32	ppbV	1	25
1,1,1-Trichloroethane	0.990	0.930	ppbV	6	25
Benzene	3.05	3.03	ppbV	1	25
Carbon tetrachloride	ND	ND	ppbV	NC	25
Cyclohexane	2.99	3.00	ppbV	0	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
1,4-Dioxane	ND	ND	ppbV	NC	25
Trichloroethene	75.7	74.3	ppbV	2	25
2,2,4-Trimethylpentane	2.88	2.86	ppbV	1	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1212068
Report Date: 07/12/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG547173-5 QC Sample: L1212068-01 Client ID: SV-5					
Heptane	5.43	5.13	ppbV	6	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	11.0	10.6	ppbV	4	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	13.1	13.6	ppbV	4	25
2-Hexanone	ND	ND	ppbV	NC	25
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Tetrachloroethene	2.74	2.82	ppbV	3	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	3.20	3.23	ppbV	1	25
p/m-Xylene	10.1	10.4	ppbV	3	25
Bromoform	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	4.06	4.07	ppbV	0	25
4-Ethyltoluene	0.743	0.726	ppbV	2	25
1,3,5-Trimethybenzene	0.923	0.913	ppbV	1	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1212068
Report Date: 07/12/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG547173-5 QC Sample: L1212068-01 Client ID: SV-5					
1,2,4-Trimethylbenzene	2.65	2.63	ppbV	1	25
Benzyl chloride	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25

Project Name: EJ1111829.002

Project Number: EJ1111829.002

Lab Number: L1212068

Report Date: 07/12/12

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1212068-01	SV-5	0121	#30 SV	07/06/12	79227		-	-	-	Pass	18.0	20	11
L1212068-01	SV-5	334	2.7L Can	07/06/12	79227	L1211491-01	Pass	-29.6	-4.9	-	-	-	-
L1212068-02	SV-8	0096	#90 SV	07/06/12	79227		-	-	-	Pass	17.8	30	51
L1212068-02	SV-8	113	2.7L Can	07/06/12	79227	L1211491-01	Pass	-28.5	-2.3	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1211491
Report Date: 07/12/12

Air Canister Certification Results

Lab ID:	L1211491-01	Date Collected:	06/26/12 16:42
Client ID:	CAN 203 SHELF 8	Date Received:	06/28/12
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15		
Analytical Date:	06/28/12 18:31		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.860	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1211491

Project Number: CANISTER QC BAT **Report Date:** 07/12/12

Air Canister Certification Results

Lab ID: L1211491-01 Date Collected: 06/26/12 16:42

Client ID: CAN 203 SHELF 8 Date Received: 06/28/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1211491

Project Number: CANISTER QC BAT **Report Date:** 07/12/12

Air Canister Certification Results

Lab ID: L1211491-01 Date Collected: 06/26/12 16:42

Client ID: CAN 203 SHELF 8 Date Received: 06/28/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.20	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1211491

Project Number: CANISTER QC BAT **Report Date:** 07/12/12

Air Canister Certification Results

Lab ID: L1211491-01 Date Collected: 06/26/12 16:42

Client ID: CAN 203 SHELF 8 Date Received: 06/28/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	81		60-140
Bromochloromethane	85		60-140
chlorobenzene-d5	84		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1211491

Project Number: CANISTER QC BAT **Report Date:** 07/12/12

Air Canister Certification Results

Lab ID:	L1211491-01	Date Collected:	06/26/12 16:42
Client ID:	CAN 203 SHELF 8	Date Received:	06/28/12
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15-SIM		
Analytical Date:	06/29/12 19:11		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.08	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1211491

Project Number: CANISTER QC BAT **Report Date:** 07/12/12

Air Canister Certification Results

Lab ID: L1211491-01 Date Collected: 06/26/12 16:42

Client ID: CAN 203 SHELF 8 Date Received: 06/28/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Trichloroethene	ND	0.020	--	ND	0.107	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1211491

Project Number: CANISTER QC BAT **Report Date:** 07/12/12

Air Canister Certification Results

Lab ID: L1211491-01 Date Collected: 06/26/12 16:42

Client ID: CAN 203 SHELF 8 Date Received: 06/28/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	93		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	88		60-140

AIR Petro Can Certification

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1211491

Project Number: CANISTER QC BAT **Report Date:** 07/12/12

AIR CAN CERTIFICATION RESULTS

Lab ID:	L1211491-01	Date Collected:	06/26/12 16:42
Client ID:	CAN 203 SHELF 8	Date Received:	06/28/12
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Air		
Analytical Method:	96,APH		
Analytical Date:	06/29/12 19:11		
Analyst:	RY		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	2.0	--	1
Methyl tert butyl ether	ND		ug/m3	2.0	--	1
Benzene	ND		ug/m3	2.0	--	1
Toluene	ND		ug/m3	2.0	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/m3	12	--	1
Ethylbenzene	ND		ug/m3	2.0	--	1
p/m-Xylene	ND		ug/m3	4.0	--	1
o-Xylene	ND		ug/m3	2.0	--	1
Naphthalene	ND		ug/m3	2.0	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/m3	14	--	1
C9-C10 Aromatics Total	ND		ug/m3	10	--	1

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1212068
Report Date: 07/12/12

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**

Cooler	
N/A	Present/Intact

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1212068-01A	Canister - 2.7 Liter	N/A	N/A		Y	Present/Intact	TO15-LL(30)
L1212068-02A	Canister - 2.7 Liter	N/A	N/A		Y	Present/Intact	TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	EJ1111829.002	**Lab Number:**	L1212068
Project Number:	EJ1111829.002	**Report Date:**	07/12/12

GLOSSARY

Acronyms

EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
M	- Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
NJ	- Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: Data Usability Report

Project Name:	EJ1111829.002	**Lab Number:**	L1212068
Project Number:	EJ1111829.002	**Report Date:**	07/12/12

Data Qualifiers

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised May 10, 2012 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable). Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Titanium, Vanadium, Zinc, Total Organic Carbon, Corrosivity, TCLP 1311, SPLP 1312. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, SM2540G.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 180.1, 245.7, 1631E, 3020A, 6020A, 7470A, 9040, 9050A, SM2320B, 2540D, 2540G, 4500H-B, Organic Parameters: EPA 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 5030B, 8015D, 3570, 8081B, 8082A, 8260B, 8270C, 8270D.)

Solid & Chemical Materials (Inorganic Parameters: EPA 1311, 3050B, 3051A, 3060A, 6020A, 7196A, 7470A, 7471B, 7474, 9040B, 9045C, 9060. Organic Parameters: EPA 3540C, 3570, 3580A, 3630C, 3640A, 3660, 3665A, 5035, 8015D, 8081B, 8082A, 8260B, 8270C, 8270D.)

Biological Tissue (Inorganic Parameters: EPA 6020A. Organic Parameters: EPA 3570, 3510C, 3610B, 3630C, 3640A, 8270C, 8270D.)

Air & Emissions (EPA TO-15.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 180.1,1631E, 6020A, 7470A, 9040B, 9050A, SM2540D, 2540G, 4500H+B, 2320B. Organic Parameters: EPA 8081B, 8082A, 8270C, 8270D, 8015D.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 3050B, 3051A, 3060A, 6020A, 7470A, 7471B, 9040B, 9045C, 7196A. Organic Parameters: SW-846 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 8270C, 8015D, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3020A, SM2320B, SM2540D, 2540G, 4500H-B, EPA 180.1, 1631E, SW-846 7470A, 9040B, 9040C, 6020A, 9050A. Organic Parameters: SW-846 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 8015D, 8081B, 8082A, 8270C, 8270D)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 1312, 3050B, 3051A, 6020A, 7471B, 7474, 9040B, 9040C, 9045C, 9060. Organic Parameters: SW-846 3540C, 3570, 3580A, 3630C, 3640A, 3660B, 3665A, 8081B, 8082A, 8270C, 8270D, 8015D.)

Atmospheric Organic Parameters (EPA 3C, TO-15)

Biological Tissue (Inorganic Parameters: SW-846 6020A. Organic Parameters: SW-846 8270C, 8270D, 3510C, 3570, 3610C, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, 6020A, 1631E, 245.7, 7470A, 9050A, EPA 180.1, 3020A. Organic Parameters: EPA 8270C, 8270D, 8081B, 8082A, 3510C.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020A, 7471B, 7474. Organic Parameters: EPA 8270C, 8270D, 8081B, 8082A, 1311, 3050B, 3580A, 3570, 3051A.)

Air & Emissions (EPA TO-15.)

Pennsylvania Certificate/Lab ID: 68-02089 ***NELAP Accredited***

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020A,7471B, 7474. Organic Parameters: EPA3050B, 3540C, 3630C, 8270C, 8081B, 8015D, 8082A.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. ***NELAP Accredited via LA-DEQ.***

Refer to NJ-DEP Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. ***NELAP Accredited.***

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 7196, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8081, 8082.)

Air (Organic Parameters: EPA TO-15)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID:460194. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters:EPA 3020A, 6020A, 245.7, 9040B, SM4500H-B. Organic Parameters: EPA 3510C, 3640A, 3660B, 3665A, 8270C, 8270D, 8082A, 8081B.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020A,7470A,7471B,9040B,9045C,3050B,3051, 9060. Organic Parameters: EPA 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 3570, 8270C, 8270D, 8081B, 8082A, 8015D.)

Washington State Department of Ecology Certificate/Lab ID: C954. *Non-Potable Water* (Inorganic Parameters: SM2540D, 180.1, 1631E.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 7474, 9045C, 9050A, 9060. Organic Parameters: EPA 8081, 8082, 8015 Mod, 8270.)

U.S. Army Corps of Engineers

Department of Defense, L-A-B Certificate/Lab ID: L2217.01.

Non-Potable Water (Inorganic Parameters: EPA 6020A, SM4500H-B. Organic Parameters: 3020A, 3510C, 8270C, 8270D, 8270C-ALK-PAH, 8270D-ALK-PAH, 8082A, 8081B, 8015D-SHC, 8015D.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 3050B, 6020A, 7471A, 9045C, 9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580A, 3570, 3540C, 8270C, 8270D, 8270C-ALK-PAH, 8270D-ALK-PAH 8082A, 8081B, 8015D-SHC, 8015D.

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP
Certification is not available by NELAP for the following analytes: **8270C:** Biphenyl. **TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 2-Methylnaphthalene, 1-Methylnaphthalene.

Serial_No:07121214:56

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

ALPHA ANALYTICAL
320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: AIR

ALPHA Job #: L1212068

Client Information

Client: Whitestone Associates, Inc.
Address: 35 Technology Drive
Warren, NJ 07059
Phone: 908-668-7777
Fax:
Email: pbeesley@whitestoneassoc.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: EJ1118829.002
Project Location: Bronx, NY
Project #:
Project Manager: C. Seib
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria
NYSDEC		

Other Project Specific Requirements/Comments:

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
L1212068-01	SV-5	7/6/12	910	1115	-29.55	-3.45	SV	PB	2.7	334	0121		X						
-02	SV-8	7/6/12	930	1120	-28.96	-1.85	SV	PB	2.7	113	0096		X						

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
[signature]	7-6-12 15:45	Bill Keenan	7-6-12 15:14
Bill Keenan	7-6-12 1900	Craig Booth	7/6/12 1900
Craig Booth	7/6/12 2315	[signature]	7/6/12 2315
[signature]	7/7/12 0245	[signature]	7/9/12 7:15

[signature] 7-9-12 8:00

Form No: 301-02 (19-Jun-09)

ANALYTICAL REPORT

Lab Number:	L1219979
Client:	Whitestone Associates, Inc. 35 Technology Drive Warren, NJ 07059
ATTN:	Chris Seib
Phone:	(908) 668-7777
Project Name:	EJ1111829.002
Project Number:	EJ1111829.002
Report Date:	11/12/12

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1219979
Report Date: 11/12/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1219979-01	SV-6A	BRONX, NY	11/05/12 12:00

Project Name: EJ1111829.002 **Lab Number:** L1219979
Project Number: EJ1111829.002 **Report Date:** 11/12/12

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: EJ1111829.002 **Lab Number:** L1219979
Project Number: EJ1111829.002 **Report Date:** 11/12/12

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on October 26, 2012. The canister certification results are provided as an addendum.

The final pressure recorded in the field for the -01 sample was not on the chain-of-custody form but was provided in an email by the client. The final canister pressure recoreded in the field was -4.75 inches of mercury.

L1219979-01 and WG572421-5 Duplicate were diluted and re-analyzed to quantitate the samples within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial analysis. The re-analysis was performed only for the compound that exceeded the calibration range.

L1219979-01 and WG572421-5 Duplicate have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L1219979-01 and WG572421-5 Duplicate results for Propylene should be considered estimated due to co-elution with a non-target peak.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 11/12/12

AIR

Project Name: EJ1111829.002 **Lab Number:** L1219979
Project Number: EJ1111829.002 **Report Date:** 11/12/12

SAMPLE RESULTS

Lab ID: L1219979-01 D
Client ID: SV-6A
Sample Location: BRONX, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 11/07/12 22:32
Analyst: RY

Date Collected: 11/05/12 12:00
Date Received: 11/05/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	18.0	5.00	--	31.0	8.60	--		10
Dichlorodifluoromethane	ND	2.00	--	ND	9.89	--		10
Chloromethane	ND	2.00	--	ND	4.13	--		10
Freon-114	ND	2.00	--	ND	14.0	--		10
Vinyl chloride	4.41	2.00	--	11.3	5.11	--		10
1,3-Butadiene	ND	2.00	--	ND	4.42	--		10
Bromomethane	ND	2.00	--	ND	7.77	--		10
Chloroethane	ND	2.00	--	ND	5.28	--		10
Ethanol	ND	25.0	--	ND	47.1	--		10
Vinyl bromide	ND	2.00	--	ND	8.74	--		10
Acetone	125	10.0	--	297	23.8	--		10
Trichlorofluoromethane	ND	2.00	--	ND	11.2	--		10
Isopropanol	ND	5.00	--	ND	12.3	--		10
1,1-Dichloroethene	3.39	2.00	--	13.4	7.93	--		10
Methylene chloride	ND	10.0	--	ND	34.7	--		10
3-Chloropropene	ND	2.00	--	ND	6.26	--		10
Carbon disulfide	ND	2.00	--	ND	6.23	--		10
Freon-113	ND	2.00	--	ND	15.3	--		10
trans-1,2-Dichloroethene	73.8	2.00	--	293	7.93	--		10
1,1-Dichloroethane	7.05	2.00	--	28.5	8.09	--		10
Methyl tert butyl ether	ND	2.00	--	ND	7.21	--		10
Vinyl acetate	ND	2.00	--	ND	7.04	--		10
2-Butanone	11.6	2.00	--	34.2	5.90	--		10
cis-1,2-Dichloroethene	1990	2.00	--	7890	7.93	--	E	10

Project Name: EJ1111829.002 **Lab Number:** L1219979
Project Number: EJ1111829.002 **Report Date:** 11/12/12

SAMPLE RESULTS

Lab ID: L1219979-01 D
Client ID: SV-6A
Sample Location: BRONX, NY

Date Collected: 11/05/12 12:00
Date Received: 11/05/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	5.00	--	ND	18.0	--		10
Chloroform	23.7	2.00	--	116	9.77	--		10
Tetrahydrofuran	3.22	2.00	--	9.50	5.90	--		10
1,2-Dichloroethane	ND	2.00	--	ND	8.09	--		10
n-Hexane	7.40	2.00	--	26.1	7.05	--		10
1,1,1-Trichloroethane	15.6	2.00	--	85.1	10.9	--		10
Benzene	8.37	2.00	--	26.7	6.39	--		10
Carbon tetrachloride	ND	2.00	--	ND	12.6	--		10
Cyclohexane	ND	2.00	--	ND	6.88	--		10
1,2-Dichloropropane	ND	2.00	--	ND	9.24	--		10
Bromodichloromethane	ND	2.00	--	ND	13.4	--		10
1,4-Dioxane	ND	2.00	--	ND	7.21	--		10
Trichloroethene	2910	2.00	--	15600	10.7	--	E	10
2,2,4-Trimethylpentane	ND	2.00	--	ND	9.34	--		10
Heptane	4.61	2.00	--	18.9	8.20	--		10
cis-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
4-Methyl-2-pentanone	ND	2.00	--	ND	8.20	--		10
trans-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
1,1,2-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Toluene	53.8	2.00	--	203	7.54	--		10
2-Hexanone	ND	2.00	--	ND	8.20	--		10
Dibromochloromethane	ND	2.00	--	ND	17.0	--		10
1,2-Dibromoethane	ND	2.00	--	ND	15.4	--		10
Tetrachloroethene	1350	2.00	--	9150	13.6	--	E	10
Chlorobenzene	ND	2.00	--	ND	9.21	--		10
Ethylbenzene	13.6	2.00	--	59.1	8.69	--		10
p/m-Xylene	47.9	4.00	--	208	17.4	--		10
Bromoform	ND	2.00	--	ND	20.7	--		10

Project Name: EJ1111829.002 **Lab Number:** L1219979
Project Number: EJ1111829.002 **Report Date:** 11/12/12

SAMPLE RESULTS

Lab ID: L1219979-01 D
Client ID: SV-6A
Sample Location: BRONX, NY

Date Collected: 11/05/12 12:00
Date Received: 11/05/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Styrene	ND	2.00	--	ND	8.52	--		10
1,1,2,2-Tetrachloroethane	ND	2.00	--	ND	13.7	--		10
o-Xylene	12.4	2.00	--	53.9	8.69	--		10
4-Ethyltoluene	ND	2.00	--	ND	9.83	--		10
1,3,5-Trimethybenzene	ND	2.00	--	ND	9.83	--		10
1,2,4-Trimethylbenzene	3.58	2.00	--	17.6	9.83	--		10
Benzyl chloride	ND	2.00	--	ND	10.4	--		10
1,3-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,4-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2,4-Trichlorobenzene	ND	2.00	--	ND	14.8	--		10
Hexachlorobutadiene	ND	2.00	--	ND	21.3	--		10

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	96		60-140

Project Name: EJ1111829.002 **Lab Number:** L1219979

Project Number: EJ1111829.002 **Report Date:** 11/12/12

SAMPLE RESULTS

Lab ID:	L1219979-01	D2	Date Collected:	11/05/12 12:00
Client ID:	SV-6A		Date Received:	11/05/12
Sample Location:	BRONX, NY		Field Prep:	Not Specified
Matrix:	Soil_Vapor			
Anaytical Method:	48,TO-15			
Analytical Date:	11/09/12 09:56			
Analyst:	RY			

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
cis-1,2-Dichloroethene	1700	12.6	--	6740	50.0	--		63.12
Trichloroethene	2780	12.6	--	14900	67.7	--		63.12
Tetrachloroethene	1000	12.6	--	6780	85.4	--		63.12

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	100		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	104		60-140

Project Name: EJ1111829.002 **Lab Number:** L1219979

Project Number: EJ1111829.002 **Report Date:** 11/12/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 11/07/12 12:53

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG572421-4								
Propylene	ND	0.500	--	ND	0.860	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: EJ1111829.002 **Lab Number:** L1219979

Project Number: EJ1111829.002 **Report Date:** 11/12/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 11/07/12 12:53

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG572421-4								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: EJ1111829.002 **Lab Number:** L1219979

Project Number: EJ1111829.002 **Report Date:** 11/12/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 11/07/12 12:53

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG572421-4								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
No Tentatively Identified Compounds					

Project Name: EJ1111829.002 **Lab Number:** L1219979

Project Number: EJ1111829.002 **Report Date:** 11/12/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 11/08/12 14:02

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG572421-9								
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1219979
Report Date: 11/12/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG572421-3								
Chlorodifluoromethane	82		-		70-130	-		
Propylene	98		-		70-130	-		
Propane	74		-		70-130	-		
Dichlorodifluoromethane	71		-		70-130	-		
Chloromethane	99		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	100		-		70-130	-		
Methanol	76		-		70-130	-		
Vinyl chloride	99		-		70-130	-		
1,3-Butadiene	98		-		70-130	-		
Butane	85		-		70-130	-		
Bromomethane	99		-		70-130	-		
Chloroethane	100		-		70-130	-		
Ethyl Alcohol	88		-		70-130	-		
Dichlorofluoromethane	83		-		70-130	-		
Vinyl bromide	92		-		70-130	-		
Acrolein	88		-		70-130	-		
Acetone	88		-		70-130	-		
Acetonitrile	90		-		70-130	-		
Trichlorofluoromethane	100		-		70-130	-		
iso-Propyl Alcohol	93		-		70-130	-		
Acrylonitrile	87		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1219979
Report Date: 11/12/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG572421-3								
Pentane	85		-		70-130	-		
Ethyl ether	86		-		70-130	-		
1,1-Dichloroethene	100		-		70-130	-		
tert-Butyl Alcohol	84		-		70-130	-		
Methylene chloride	98		-		70-130	-		
3-Chloropropene	100		-		70-130	-		
Carbon disulfide	91		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	99		-		70-130	-		
trans-1,2-Dichloroethene	88		-		70-130	-		
1,1-Dichloroethane	102		-		70-130	-		
Methyl tert butyl ether	95		-		70-130	-		
Vinyl acetate	106		-		70-130	-		
2-Butanone	93		-		70-130	-		
cis-1,2-Dichloroethene	112		-		70-130	-		
Ethyl Acetate	96		-		70-130	-		
Chloroform	103		-		70-130	-		
Tetrahydrofuran	96		-		70-130	-		
2,2-Dichloropropane	85		-		70-130	-		
1,2-Dichloroethane	100		-		70-130	-		
n-Hexane	85		-		70-130	-		
Isopropyl Ether	79		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1219979
Report Date: 11/12/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG572421-3								
Ethyl-Tert-Butyl-Ether	74		-		70-130	-		
1,1,1-Trichloroethane	91		-		70-130	-		
1,1-Dichloropropene	80		-		70-130	-		
Benzene	89		-		70-130	-		
Carbon tetrachloride	94		-		70-130	-		
Cyclohexane	99		-		70-130	-		
Tertiary-Amyl Methyl Ether	86		-		70-130	-		
Dibromomethane	78		-		70-130	-		
1,2-Dichloropropane	98		-		70-130	-		
Bromodichloromethane	89		-		70-130	-		
1,4-Dioxane	91		-		70-130	-		
Trichloroethene	97		-		70-130	-		
2,2,4-Trimethylpentane	93		-		70-130	-		
Methyl methacrylate	110		-		70-130	-		
Heptane	93		-		70-130	-		
cis-1,3-Dichloropropene	106		-		70-130	-		
4-Methyl-2-pentanone	92		-		70-130	-		
trans-1,3-Dichloropropene	92		-		70-130	-		
1,1,2-Trichloroethane	98		-		70-130	-		
Toluene	104		-		70-130	-		
1,3-Dichloropropane	87		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1219979
Report Date: 11/12/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG572421-3								
2-Hexanone	100		-		70-130	-		
Dibromochloromethane	94		-		70-130	-		
1,2-Dibromoethane	105		-		70-130	-		
Butyl Acetate	94		-		70-130	-		
Octane	95		-		70-130	-		
Tetrachloroethene	104		-		70-130	-		
1,1,1,2-Tetrachloroethane	88		-		70-130	-		
Chlorobenzene	106		-		70-130	-		
Ethylbenzene	111		-		70-130	-		
p/m-Xylene	110		-		70-130	-		
Bromoform	94		-		70-130	-		
Styrene	110		-		70-130	-		
1,1,2,2-Tetrachloroethane	113		-		70-130	-		
o-Xylene	115		-		70-130	-		
1,2,3-Trichloropropane	89		-		70-130	-		
Nonane (C9)	95		-		70-130	-		
Isopropylbenzene	94		-		70-130	-		
Bromobenzene	91		-		70-130	-		
o-Chlorotoluene	96		-		70-130	-		
n-Propylbenzene	97		-		70-130	-		
p-Chlorotoluene	94		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1219979
Report Date: 11/12/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG572421-3								
4-Ethyltoluene	99		-		70-130	-		
1,3,5-Trimethylbenzene	119		-		70-130	-		
tert-Butylbenzene	100		-		70-130	-		
1,2,4-Trimethylbenzene	122		-		70-130	-		
Decane (C10)	96		-		70-130	-		
Benzyl chloride	104		-		70-130	-		
1,3-Dichlorobenzene	114		-		70-130	-		
1,4-Dichlorobenzene	117		-		70-130	-		
sec-Butylbenzene	96		-		70-130	-		
p-Isopropyltoluene	92		-		70-130	-		
1,2-Dichlorobenzene	115		-		70-130	-		
n-Butylbenzene	96		-		70-130	-		
1,2-Dibromo-3-chloropropane	96		-		70-130	-		
Undecane	102		-		70-130	-		
Dodecane (C12)	109		-		70-130	-		
1,2,4-Trichlorobenzene	127		-		70-130	-		
Naphthalene	100		-		70-130	-		
1,2,3-Trichlorobenzene	99		-		70-130	-		
Hexachlorobutadiene	116		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1219979
Report Date: 11/12/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG572421-8								
cis-1,2-Dichloroethene	110		-		70-130	-		
Trichloroethene	92		-		70-130	-		
Tetrachloroethene	92		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1219979
Report Date: 11/12/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG572421-5 QC Sample: L1219979-01 Client ID: SV-6A						
Propylene	18.0	17.6	ppbV	2		25
Dichlorodifluoromethane	ND	ND	ppbV	NC		25
Chloromethane	ND	ND	ppbV	NC		25
Freon-114	ND	ND	ppbV	NC		25
Vinyl chloride	4.41	3.97	ppbV	11		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	ND	ND	ppbV	NC		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	125	116	ppbV	7		25
Trichlorofluoromethane	ND	ND	ppbV	NC		25
Isopropanol	ND	ND	ppbV	NC		25
1,1-Dichloroethene	3.39	3.21	ppbV	5		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	73.8	68.6	ppbV	7		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1219979
Report Date: 11/12/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG572421-5 QC Sample: L1219979-01 Client ID: SV-6A					
1,1-Dichloroethane	7.05	6.55	ppbV	7	25
Methyl tert butyl ether	ND	ND	ppbV	NC	25
Vinyl acetate	ND	ND	ppbV	NC	25
2-Butanone	11.6	10.9	ppbV	6	25
cis-1,2-Dichloroethene	1990E	1880E	ppbV	6	25
Ethyl Acetate	ND	ND	ppbV	NC	25
Chloroform	23.7	22.0	ppbV	7	25
Tetrahydrofuran	3.22	3.05	ppbV	5	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	7.40	8.02	ppbV	8	25
1,1,1-Trichloroethane	15.6	17.2	ppbV	10	25
Benzene	8.37	8.83	ppbV	5	25
Carbon tetrachloride	ND	ND	ppbV	NC	25
Cyclohexane	ND	ND	ppbV	NC	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
1,4-Dioxane	ND	ND	ppbV	NC	25
Trichloroethene	2910E	3160E	ppbV	8	25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1219979
Report Date: 11/12/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG572421-5 QC Sample: L1219979-01 Client ID: SV-6A					
Heptane	4.61	5.09	ppbV	10	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	53.8	49.3	ppbV	9	25
2-Hexanone	ND	ND	ppbV	NC	25
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Tetrachloroethene	1350E	1230E	ppbV	9	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	13.6	12.4	ppbV	9	25
p/m-Xylene	47.9	43.9	ppbV	9	25
Bromoform	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	12.4	11.5	ppbV	8	25
4-Ethyltoluene	ND	ND	ppbV	NC	25
1,3,5-Trimethybenzene	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1219979
Report Date: 11/12/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG572421-5 QC Sample: L1219979-01 Client ID: SV-6A					
1,2,4-Trimethylbenzene	3.58	3.35	ppbV	7	25
Benzyl chloride	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG572421-5 QC Sample: L1219979-01 Client ID: SV-6A					
cis-1,2-Dichloroethene	1700	1700	ppbV	0	25
Trichloroethene	2780	2870	ppbV	3	25
Tetrachloroethene	1000	1000	ppbV	0	25

Project Name: EJ1111829.002

Project Number: EJ1111829.002

Lab Number: L1219979

Report Date: 11/12/12

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1219979-01	SV-6A	0206	#20 SV	10/26/12	82640		-	-	-	Pass	40	43	7
L1219979-01	SV-6A	576	6.0L Can	10/26/12	82640	L1218134-03	Pass	-28.9	-3.7	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1218134
Report Date: 11/12/12

Air Canister Certification Results

Lab ID:	L1218134-03	Date Collected:	10/09/12 14:43
Client ID:	CAN 753 SHELF 55	Date Received:	10/10/12
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15		
Analytical Date:	10/10/12 23:23		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.860	--		1
Propane	ND	0.200	--	ND	0.361	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1218134

Project Number: CANISTER QC BAT **Report Date:** 11/12/12

Air Canister Certification Results

Lab ID: L1218134-03 Date Collected: 10/09/12 14:43

Client ID: CAN 753 SHELF 55 Date Received: 10/10/12

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1218134

Project Number: CANISTER QC BAT **Report Date:** 11/12/12

Air Canister Certification Results

Lab ID: L1218134-03 Date Collected: 10/09/12 14:43

Client ID: CAN 753 SHELF 55 Date Received: 10/10/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.20	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1218134

Project Number: CANISTER QC BAT **Report Date:** 11/12/12

Air Canister Certification Results

Lab ID: L1218134-03 Date Collected: 10/09/12 14:43

Client ID: CAN 753 SHELF 55 Date Received: 10/10/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
No Tentatively Identified Compounds					

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1218134

Project Number: CANISTER QC BAT **Report Date:** 11/12/12

Air Canister Certification Results

Lab ID: L1218134-03 Date Collected: 10/09/12 14:43

Client ID: CAN 753 SHELF 55 Date Received: 10/10/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	116		60-140
chlorobenzene-d5	87		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1218134

Project Number: CANISTER QC BAT **Report Date:** 11/12/12

Air Canister Certification Results

Lab ID:	L1218134-03	Date Collected:	10/09/12 14:43
Client ID:	CAN 753 SHELF 55	Date Received:	10/10/12
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15-SIM		
Analytical Date:	10/10/12 23:23		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.08	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1218134

Project Number: CANISTER QC BAT **Report Date:** 11/12/12

Air Canister Certification Results

Lab ID: L1218134-03 Date Collected: 10/09/12 14:43

Client ID: CAN 753 SHELF 55 Date Received: 10/10/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1218134

Project Number: CANISTER QC BAT **Report Date:** 11/12/12

Air Canister Certification Results

Lab ID: L1218134-03 Date Collected: 10/09/12 14:43

Client ID: CAN 753 SHELF 55 Date Received: 10/10/12

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	92		60-140
bromochloromethane	94		60-140
chlorobenzene-d5	91		60-140

AIR Petro Can Certification

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1218134

Project Number: CANISTER QC BAT **Report Date:** 11/12/12

AIR CAN CERTIFICATION RESULTS

Lab ID:	L1218134-03	Date Collected:	10/09/12 14:43
Client ID:	CAN 753 SHELF 55	Date Received:	10/10/12
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Air		
Analytical Method:	96,APH		
Analytical Date:	10/11/12 17:49		
Analyst:	RY		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	2.0	--	1
Methyl tert butyl ether	ND		ug/m3	2.0	--	1
Benzene	ND		ug/m3	2.0	--	1
Toluene	ND		ug/m3	2.0	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/m3	12	--	1
Ethylbenzene	ND		ug/m3	2.0	--	1
p/m-Xylene	ND		ug/m3	4.0	--	1
o-Xylene	ND		ug/m3	2.0	--	1
Naphthalene	ND		ug/m3	2.0	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/m3	14	--	1
C9-C10 Aromatics Total	ND		ug/m3	10	--	1

Project Name: EJ1111829.002
Project Number: EJ1111829.002

Lab Number: L1219979
Report Date: 11/12/12

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information

Cooler	Custody Seal
N/A	Present/Intact

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1219979-01A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	EJ1111829.002	**Lab Number:**	L1219979
Project Number:	EJ1111829.002	**Report Date:**	11/12/12

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: Data Usability Report

Project Name: EJ1111829.002 **Lab Number:** L1219979

Project Number: EJ1111829.002 **Report Date:** 11/12/12

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 16, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8082, 8330, 8151A, 8260B, 8270C, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014A, 9030B, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7

for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010B, 6010C, 6020, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9030B, 9040B, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082, 8082A, 8081A, 8081B, 8151A, 8330, 8270C-SIM, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 6010C, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050, 9065,1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3630C, 5030B, 5035, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082, 8082A, 8081A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, 2540G, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012A, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C, 3546, 3580, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7471A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 245.2, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 3501., 350.2, 353.2, 420.1, 6010B, 6010C, 6020, 6020A, 7196A, 7470A, 9010B, 9030B, 9040B, Lachat 10-107-06-2-D, NJ-EPH, 2120B, 2310B, 2320B, 2340B, 2510C, 2540B, 2540C, 3500Cr-D, 436C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8330, 8015B,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010B, 6010C, 6020A, 7196A, 7471A, 7471B, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3630C, 5035, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2¯D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 2..08, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5035, 3540C, 3546, 3550, 3580, 3630C, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

Certificate/Approval Program Summary

Last revised August 3, 2012 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable). Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Titanium, Vanadium, Zinc, Total Organic Carbon, Corrosivity, TCLP 1311, SPLP 1312. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, SM2540G.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 180.1, 245.7, 1631E, 3020A, 6020A, 7470A, 9040, 9050A, SM2320B, 2540D, 2540G, 4500H-B, Organic Parameters: EPA 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 5030B, 8015D, 3570, 8081B, 8082A, 8260B, 8270C, 8270D.)

Solid & Chemical Materials (Inorganic Parameters: EPA 1311, 3050B, 3051A, 3060A, 6020A, 7196A, 7470A, 7471B, 7474, 9040B, 9045C, 9060. Organic Parameters: EPA 3540C, 3570, 3580A, 3630C, 3640A, 3660, 3665A, 5035, 8015D, 8081B, 8082A, 8260B, 8270C, 8270D.)

Biological Tissue (Inorganic Parameters: EPA 6020A. Organic Parameters: EPA 3570, 3510C, 3610B, 3630C, 3640A, 8270C, 8270D.)

Air & Emissions (EPA TO-15.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 180.1, 1631E, 6020A, 7470A, 9040B, 9050A, SM2540D, 2540G, 4500H+B, 2320B, 3020A, . Organic Parameters: EPA 3510C, 3630C, 3640A, 3660B, 8081B, 8082A, 8270C, 8270D, 8015D.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 3050B, 3051A, 6020A, 7471B, 9040B, 9045C. Organic Parameters: SW-846 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 8270C, 8015D, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3020A, SM2320B, SM2540D, 2540G, 4500H-B, EPA 180.1, 1631E, SW-846 7470A, 9040C, 6020A, 9050A. Organic Parameters: SW-846 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 8015D, 8081B, 8082A, 8270C, 8270D)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 1312, 3050B, 3051A, 6020A, 7471B, 7474, 9040B, 9040C, 9045C, 9045D, 9060. Organic Parameters: SW-846 3540C, 3570, 3580A, 3630C, 3640A, 3660B, 3665A, 8081B, 8082A, 8270C, 8270D, 8015D.)

Atmospheric Organic Parameters (EPA 3C, TO-15, TO-10A, TO-13A-SIM.)

Biological Tissue (Inorganic Parameters: SW-846 6020A. Organic Parameters: SW-846 8270C, 8270D, 3510C, 3570, 3610C, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, 6020A, 1631E, 7470A, 9050A, EPA 180.1, 3020A. Organic Parameters: EPA 8270C, 8270D, 8081B, 8082A, 3510C.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020A, 7471B, 7474, 9040C, 9045D. Organic Parameters: EPA 8270C, 8270D, 8081B, 8082A, 1311, 3050B, 3580A, 3570, 3051A.)

Air & Emissions (EPA TO-15, TO-10A.)

Pennsylvania Certificate/Lab ID: 68-02089 ***NELAP Accredited***

Non-Potable Water (Inorganic Parameters: 1312, 1631E, 180.1, 3020A, 6020A, 7470A, 9040B, 9050A, 2320B, 2540D, 2540G, SM4500H+-B. Organic Parameters: 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 8015D, 8081B, 8082A, 8270C, 8270D .)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 3051A, 6020A, 7471B, 7474 9040B, 9045C, 9060. Organic Parameters: EPA3050B, 3540C, 3570, 3580A, 3630C, 3640A, 3660B, 3665A, 8270C, 8270D, 8081B, 8015D, 8082A.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. ***NELAP Accredited via NJ-DEP.***

Refer to NJ-DEP Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. ***NELAP Accredited.***

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8081, 8082.)

Air (Organic Parameters: EPA TO-15)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID:460194. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters:EPA 3020A, 6020A, 245.7, 9040B. Organic Parameters: EPA 3510C, 3640A, 3660B, 3665A, 8270C, 8270D, 8082A, 8081B, 8015D.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020A,7470A,7471B,9040B,9045C,3050B,3051, 9060. Organic Parameters: EPA 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 3570, 8270C, 8270D, 8081B, 8082A, 8015D.)

Washington State Department of Ecology Certificate/Lab ID: C954. *Non-Potable Water* (Inorganic Parameters: SM2540D, 180.1, 1631E.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 7474, 9045C, 9050A, 9060. Organic Parameters: EPA 8081, 8082, 8015, 8270.)

U.S. Army Corps of Engineers

Department of Defense, L-A-B Certificate/Lab ID: L2217.01.

Non-Potable Water (Inorganic Parameters: EPA 6020A, SM4500H-B. Organic Parameters: 3020A, 3510C, 8270C, 8270D, 8270C-ALK-PAH, 8270D-ALK-PAH, 8082A, 8081B, 8015D-SHC, 8015D.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 3050B, 6020A, 7471A, 9045C, 9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580A, 3570, 3540C, 8270C, 8270D, 8270C-ALK-PAH, 8270D-ALK-PAH 8082A, 8081B, 8015D-SHC, 8015D.

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP

Certification is not available by NELAP for the following analytes: **8270C:** Biphenyl. **TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 2-Methylnaphthalene, 1-Methylnaphthalene.

Alpha Analytical
320 Forbes Blvd
Mansfield, MA 02048-1806
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Fax: 508-822-3288

AIR Chain-of-Custody - NJ

Date Rec'd in Lab

ALPHA Job# L1219979

1 of 1 COCs

Client Contact Information

Company: Whitestone Associates
Address: 35 Technology Drive
City/State/Zip Warren, NJ 07059
Phone: (908) 668-7777
FAX: (908) 754-5936
Email: pbeesley@whitestoneassoc.com

Project Information

Project Name: EJ1111829.002
Site/Location: Bronx, NY
Project Manager: C. Seib
Site Contact: Pat Beesley
Phone: 908-285-2199

Analysis Turn-Around Time

Standard (Specify) 1 week
Rush (Specify)

Carrier:
Samplers Name(s) Patrick Beesley

Report Information - Data Deliverables:

☐ FAX:
☒ ADEx ☐ Criteria Checker:
☒ EMail (standard pdf report)

Billing Information

☐ Same as Client Info PO #:

ALPHA LAB ID (Lab Use Only)	Sample Identification	Sample Date(s)	Time Start (24 hr clock)	Time Stop (24 hr clock)	Canister Pressure in Field ("Hg) (Start)	Canister Pressure in Field ("Hg) (Stop)	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Outgoing Canister Pressure ("Hg) (Lab)	Incoming Canister Pressure ("Hg) (Lab)	Flow Reg. ID	Can ID	Can Size (L)	Flow Controller Readout (ml/min)	Can Cert ID	TO-15	EPA 3C						Indoor /Ambient Air	Soil Gas		
L1219979-01	SV-6A	11/5/12	10:15	12:00	-30.40	-4.75	45	45	-28.9		0206	576	6	40		X											

Temperature (Fahrenheit)	Ambient	Maximum	Minimum	
Start				
Stop				

GC/MS Analyst Signature (TO-15)

Pressure (inches of Hg)	Ambient	Maximum	Minimum	
Start				
Stop				

Special Instructions/QC Requirements & Comments:

Canisters Shipped by:	Date/Time:	Canisters Received by:	Date/Time:
Samples Relinquished by: Pat Beesley	Date/Time: 11/5/12 15:00	Received by:	Date/Time: 11/5/12 15:00
Relinquished by:	Date/Time: 11/5/12 1800	Received by: Steve Moore	Date/Time: 11/5/12
Steve Moore	11/5/12 22:20		11/5/12 22:20

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until all ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

Form: 101-06 April 20, 2009